EU-INDIA 2011 S&T Coop Days Vienna

Life science Vienna 1-2 December 2011

"EU –INDIA S&T COOP DAYS"

Scientific Conference & Researchers' Café

1- 2 December 2011
Palais Eschenbach
Vienna

CATALOGUE OF PARTICIPANTS & RESEARCH PROFILES

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SEVENTH FRAMEWORK PROGRAMME

The event is co –funded by the European Commission through several projects

INTRODUCTION

The **"EU –INDIA S&T COOP DAYS"** is a two day Event to promote and enhance EU-India science and technology Cooperation, especially in the field of Biotechnology and Health.

Scientific conference, Policy dialogue, Researchers' cafè and poster sessions are jointly organized by three European Projects, EUINEC, INDIA GATE & NEW INDIGO, funded under the 7th Framework Programme.

Aiming at fostering cooperation between India and Europe in the field of science, technology and innovation, the event allows its more than 200 participants from ministries, academia, industry, SMEs, and research and innovation organisations to:

- attend the scientific conference with high-level keynote speakers and scientists involved in projects funded by the New INDIGO ERA-NET, the Seventh Framework Programme and bilateral programmes between Europe and India;
- meet and discuss future research and development activities in the 'Researchers' Café' networking event;
- discuss the analysis and strategic findings of support initiatives for the cooperation between the regions;
- participate in a lively discussion between scientists and policy makers;
- broadcast their scientific and innovation ideas or support services in a dedicated poster session.

The following catalogue also contains all the profile of the networking participants who request or offer innovative technologies or business cooperation. The catalogue is an interesting portrait of the competencies acquired by the companies operating in life science sector.

CONFERENCE MAIN ORGANISERS

EUINEC Project

European and Indian Enhanced Cooperation Framework For Improved Bilateral Dialogue in the Fields of Science and Technology

Website: www.euinec.org

Coordinator: Europa Media non for profit Ltd (HU)

INDIA GATE Project

Increasing the Dialogue between India and Europe by Improving Awareness and Access to Indian Research and Innovation Technology Programmes

Website: www.access4.eu/india

Coordinator: APRE – Agency for the Promotion of European Research (IT)

NEW INDIGO Project

Initiative for the Development and Integration of Indian and European Research

Webiste: www.newindigo.eu

Coordinator: CNRS - Centre national de la recherche scientifique (FR)

Local Host: ZSI – Center for Social Innovation (AT)

LIST OF PARTICIPANT

First Name	Last Name	Organisation	Country	Conference	Researchers' Café	Profile N°
Syed	Abbas	Indian Institute of Technology Mandi	India	Yes	Yes	112
Marina	Adrianopoli	Italian National Research Institute on Food and Nutrition, INRAN	Italy	Yes	Yes	151
Nushin	Aghajari	CNRS, Molecular and Structural Bases of Infectious Systems,	France	Yes	Yes	55
Cenk	Aktas	Leibniz Institute for New Materials,CVD/Biosurfaces	Germany	Yes	Yes	71
Praveen	Ankathi	Nizam's Institute of Medical Sciences	India	Yes	Yes	127
Gayathri	Arakere	Society for Innovation and Development	India	Yes	Yes	131
Vincent	Aroulmoji	Advanced Research Centre for Health, Environment and Space	Italy	Yes	Yes	139
Patrizio	Arrigo	CNR ISMAC	Italy	Yes	Yes	146
Hemalatha	Balaram	Jawaharlal Nehru Centre for Advanced Scientific Research	India	Yes	Yes	116
Joaquim	Ballabrera	UTM - Consejo Superior de Investigaciones Científicas	Spain	Yes	Yes	181
Sonya	BALTI	OeAD-GmbH (Austrian Agency for International Cooperation in	Austria	Yes	No	25
Debashis	Bandyopadhyay	Council of Scientific and Industrial Research	India	Yes	Yes	97
Sharmistha	Banerjee	University of Hyderabad, Hyderabad, India	India	Yes	Yes	137
Martin	Barth	PT-J	Germany	Yes	No	72
Arijit	Basu	BIRLA INSTITUTE OF TECHNOLOGY	India	No	Yes	88
Cristina	Bauluz	MICINN (Spanish Ministry of Science and Innovation)	Spain	Yes	No	179
Pierre	BECKER	ECOLE CENTRALE PARIS	France	Yes	Yes	56
Monique	Becker	Telecom SudParis	France	Yes	Yes	61

Reinhard	Belocky	Austrian Science Fund (FWF)	Austria	Yes	No	6
Carmen	Benítez	Escuela Técnica Superior de Ingeniería Informática y Telecomunicaciones	Spain	Yes	Yes	173
Begoña	Benito Barajas	GAIA	Spain	Yes	No	175
Michael	Berger	Medical University of Vienna / Center for Brain Research	Austria	Yes	No	24
Deepak	Bhatnagar	Indian Institute of Foreign Trade	India	Yes	Yes	109
Cosima	Blasy	ZSI	Austria	Yes	No	34
Leonardo	Biondi	IFOM - FIRC Institute of Molecular Oncology	Italy	Yes	No	149
Olivier	BLIN	CNRS	France	Yes	No	51
Anna	Boitard	CNRS	France	Yes	Yes	52
Serena	Borgna	APRE	Italy	Yes	No	142
Rupam	Borgohain	Nizam's Insitute of Medical Sciences	India	Yes	Yes	126
Bernhard	Braunegger	EMEA Services	Austria	Yes	Yes	10
Silvia	Bulgheresi	University of Vienna, Department of Genetics in Ecology	Austria	Yes	Yes	33
Tomas	Canto	Centro de Investigaciones Biológicas CIB-CSIC (Biological Research	Spain	Yes	Yes	172
Ömer	Ceylan	Europa Media	Hungary	Yes	Yes	78
Anoj Kumar	Chadar	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH (CSIR),	India	Yes	No	96
Gyaneshwer	Chaubey	Estonian Biocentre	Estonia	Yes	Yes	45
Fabio	Chiesa	Smi S.p.a.	Italy	Yes	Yes	156
Murali Krishna	Chilakapati	Advanced Center for Treatment, Research and Education in Cancer	India	Yes	Yes	82
Rohini	Chopra-Dewasthaly	Institute of Bacteriology, Mycology & Hygiene, VetMedUni, Vienna	Austria	Yes	Yes	17
Anabela	Cordeiro-Da-Silva	Institute of Cell and Molecular Biology (IBMC)	Portugal	Yes	No	169
Erdem	Coskun	Gazi University, Faculty of Pharmacy, Department of Toxicology	Turkey	Yes	Yes	186

Israel	Cruz	Instituto de Salud Carlos III	Spain	Yes	Yes	176
Agnes	Czimbalmos	Dr Agnes Czimbalmos	Hungary	Yes	No	77
Luc	De Witte	Maastricht University	Netherlands	Yes	No	161
Rao	Desirazu	Indian Institute of science	India	Yes	Yes	111
Martina	Desole	APRE	Italy	Yes	Yes	141
Jean-Francois	Desvignes-Hicks	FEAST	Australia	Yes	No	1
Thierry	Devars	European Commission	Belgium	Yes	No	37
Suman	Dhar	Jawaharlal Nehru University	India	Yes	Yes	117
Alok	Dhawan	CSIR-Indian Institute of Toxicology Research	India	Yes	No	101
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Frej	Dichmann	Danish Agency for Science, Technology and Innovation	Denmark	Yes	No	43
Madhu	Dikshit	CSIR-Central Drug Research Institute, Lucknow INDIA	India	Yes	Yes	99
Elif	Dogan Arslan	TÜBİTAK	Turkey	Yes	Yes	191
Chatton	Dominique Paul	Ministère de l'enseignement supérieur et de la recherche	France	Yes	Yes	60
Bilal	Dursun	Sam Elektronik	Turkey	Yes	Yes	190
Brahim	ELOUADI	Université de La Rochelle	France	Yes	No	63
Ayse Basak	Engin	Gazi University, Faculty of Pharmacy	Turkey	Yes	Yes	185
Jerome	ETIENNE	University Lyon 1	France	Yes	No	65
Rado	Faletic	Forum for European-Australian Science and Technology cooperation	Australia	Yes	No	2
Miriam	Fast	University of Luebeck	Germany	Yes	No	74
Paolo	Favali	Istituto Nazionale di Geofisica e Vulcanologia	Italy	Yes	Yes	150
Chlodwig	FRANZ	University of Veterinary Medicine Vienna, Institute for Applied Botany	Austria	Yes	Yes	29

Holger	Gerdes	Fraunhofer IST	Germany	Yes	Yes	68
Indraneel	Ghose	Delegation of the European Union to India	India	Yes	Yes	104
Stefano	Giaccone	CLASSIS	Italy	Yes	Yes	145
Martin	Goller	International Bureau of BMBF	Germany	Yes	No	70
Atulgiri	Gonsai	Saurashtra University	India	Yes	Yes	129
Patrick	Groves	Instituto de Tecnologia Química e Biológica (ITQB-UNL)	Portugal	Yes	Yes	170
Florian	Gruber	ZSI	Austria	Yes	No	34
Pekka	Hänninen	Pekka Hänninen	Finland	No	No	47
Rajesh	Harsh	Society For Applied Microwaves Electronic Engineering and Research	India	Yes	Yes	130
Rudolf	Heer	Austrian Institute Of Technology GmbH	Austria	Yes	Yes	4
Shivanand	Hegde	IBMH,University of Veterinary Medicine	Austria	Yes	No	16
Charles	Hirlimann	CNRS Centre National de la Recherche Scientifique	France	Yes	No	54
Astrid	Hoebertz	FFG Austrian Research Promotion Agency	Austria	Yes	No	14
Mogens	Hørder	University of Southern Denmark (SDU)	Denmark	Yes	No	44
Ylva	Huber	Austrian Research Promotion Agency FFG	Austria	Yes	Yes	5
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Kirstyn	Inglis	Kirstyn Inglis	Belgium	Yes	Yes	38
Pravin	Jadhav	Indian Institute of Foreign Trade	India	Yes	Yes	110
Kumaravelu	Jagavelu	Central Drug Research Institute	India	Yes	Yes	89
Ma	Jayasri	Jayasri	India	Yes	Yes	118
Marianne	Jensen	The Research Council of Norway	Norway	Yes	No	165
Salin	K R	Kerala University of Fisheries and Ocean Studies	India	Yes	Yes	120

Raghu	Kalluri	Champalimaud Foundation	Portugal	Yes	No	167
Trishna	Kammili	INRA	France	Yes	Yes	59
Misha	Kapushesky	European Bioinformatics Institute	United Kingdom	Yes	Yes	193
Bensu	Karahalil	Gazi University	Turkey	Yes	Yes	184
Ferdinand	Kaser	Inventogen	Austria	Yes	Yes	19
Vineeta	Khare	Christian Doppler laboratory for molecular cancer chemoprevention,	Austria	Yes	No	8
Christian	Kirisits	Medical University of Vienna / AKH, Department of Radiation Therapy	Austria	Yes	Yes	23
Gabor	Kitley	Europa Media Non Profit Ltd.	Hungary	Yes	No	79
Svetlana	Klessova	inno TSD	France	Yes	No	58
Ralf	König	FFG - Austrian Research Promotion Agency | Divison European and	Austria	Yes	No	13
Hanumantha Rao	Kota	Luleå University of Technology	Sweden	Yes	Yes	182
Sudeep	Kumar	Council of Scientific & Industrial Research (CSIR)	India	Yes	No	94
Laura	Lancée	Netherlands Organization for Scientific Research	Netherlands	Yes	No	163
Katja	Legisa	TEchnical Support for European Organisation	Belgium	No	Yes	39
Sina	Leipold	University of Natural Resources and Life Sciences	Austria	Yes	No	28
Chamira	Lessigny	Centre national de la recherche scientifique	France	Yes	Yes	50
Andrzej W	Lipkowski	Mossakowski Medical Research Centre Polish Academy of Sciences	Poland	Yes	Yes	166
Maurizio	Lo Iacono	Regione Siciliana - Presidenza	Italy	Yes	No	154
Inês	Loureiro	Institute for Molecular and Cell Biology - IBMC	Portugal	Yes	No	168
Gabriella	Lovasz	Europa Media Non Profit Ltd.	Hungary	Yes	No	80
Karin	Löw	Saarland University, Paediatric Cardiology Department	Germany	Yes	No	73
Dr Umesh	Mahantshetty	Tata Memorial Hospital	India	Yes	No	134

Maria	Maia	Maria Maia	Portugal	No	Yes	171
Shekhar	Mande	National Centre for Cell Science	India	Yes	Yes	122
Adela	Marcoci	CEIT Alanova	Austria	Yes	Yes	7
David	Marini	AREPOsrl	Italy	Yes	Yes	143
Lorella	Marselli	Pancreatic Islet Laboratory-Department of Endocrinology and	Italy	Yes	Yes	153
Alessandro	Martin	University of Padova	Italy	Yes	No	159
Micol	Martinelli	EUROCHAMBRES	Belgium	Yes	No	35
Mariagiovanna	Martinotti	Department of Chemical, Food, Pharmaceutical and Pharmacological	Italy	Yes	Yes	147
Mayank	Mathur	Council of Scientific and Industrial Research (CSIR), New Delhi	India	Yes	No	98
Divya	Mehrotra	CSM Medical University	India	Yes	Yes	103
Georg	Melzer	eutema	Austria	Yes	Yes	11
Paul	Meng	expergen drug development gmbh	Austria	Yes	Yes	12
Jaroslav	Michalek	Cellthera	Czech Republic	Yes	Yes	41
Ambikanandan	Misra	The Maharaja Sayajirao University of Baroda	India	Yes	Yes	135
Chanchal K	Mitra	University of Hyderabad	India	Yes	Yes	136
Snigdha	Mohan	Banaras Hindu University	India	Yes	No	85
Simone	Moorman	MAASTRO clinic	Netherlands	Yes	Yes	162
Javier	MORENO	Instituto de Salud Carlos III	Spain	Yes	Yes	177
Dr.Govindaraju	Munisamy	Bharathidasan University	India	Yes	Yes	86
Mohanakumaran	Nair C	Kerala University of Fisheries and Ocean Studies	India	Yes	Yes	119
Muthukaruppasamy	NAZEEMA SHEERIN	Neuropsilab,University of Verona	Italy	Yes	Yes	152
Sanjay	Nene	National Chemical Laboratory	India	Yes	No	123

Grisot	Nina	French Embassy in Vienna	Austria	Yes	No	15
Daniel	Ostrowsky	Université de Nice-Sophia Antipolis	France	Yes	No	64
Hatice	Oz	Isik University Faculty of Fine Arts	Turkey	Yes	Yes	188
Aurelie	Pachkoff	CNRS - Centre National de la Recherche Scientifique	France	Yes	No	53
Bodil	Palmberg	Europa Media Non Profit Ltd.	Hungary	Yes	Yes	81
Alok Kumar	Pandey	CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH	India	Yes	No	102
Shashi Kant	Pandey	NEW PUBLIC SCHOOL SAMITI	India	No	Yes	125
Leelavinotha n	Pari	Department of Biochemistry & Biotechnology, ANNAMALAI	India	Yes	Yes	105
Soma	Patnaik	NATIONAL INSTITUTE OF IMMUNOLOGY	India	Yes	Yes	124
Sergei	Pereverzyev	Johann Radon Institute for Computational and Applied	Austria	Yes	Yes	20
David	Pešek	Color association	Czech Republic	Yes	Yes	42
Minh-Hà	Pham-Delegue	C.N.R.S.	France	Yes	No	49
Leonardo	Piccinetti	EFB Ltd	United Kingdom	Yes	Yes	192
Giacomo	Pignataro	Università di Catania - Dipartimento di Economia e Metodi Quantitativi	Italy	Yes	Yes	158
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Shelly	Praveen	Indian Agricultural Research Institute	India	Yes	Yes	108
Alexander	Pretsch	SeaLife Pharma GmbH	Austria	Yes	No	27
Joaquim	Puigdollers	Joaquim Puigdollers	Spain	Yes	Yes	178
Pallav	Purohit	International Institute for Applied Systems Analysis (IIASA)	Austria	Yes	No	18
Rituraj	Purohit	Vellore Institute of Technology	India	Yes	Yes	138
Toivo	Räim	Ministry of Education and Research	Estonia	Yes	No	46
Vinod	Raina	All India Institute of Medical Sciences, Institute Rotary Cancer	India	Yes	No	83

Thirupura Sundari	Rajagopalan	Centre for Development of Advanced Computing	India	Yes	Yes	91
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Purnima	Rupal	Council of Scientific & Industrial Research (CSIR)	India	Yes	No	95
Diego	Sammaritano	European Commission	Belgium	Yes	No	36
Sivananthan	Sampath	Johann Radon Institute for Computational and Applied	Austria	Yes	Yes	21
Francisco	Sanchez	Francisco J. Sanchez Gomez	Spain	Yes	No	174
Rashmi	Sarita	FICCI	India	Yes	No	107
Rozenn	Saunier	Anses	France	Yes	No	48
Sebastian	Schröcksnadel	Division of Biological Chemistry, Biocenter, Medical Universtiy	Austria	Yes	No	9
Manuel	Schuler	Manuel Schuler	Austria	Yes	No	22
Giuseppe	Scire	CEI COMPAGNIA ELETTRONICA ITALIANA SRL	Italy	Yes	Yes	144
Violot	Sebastien	University of LYON	France	Yes	No	66
Jose	Segura	University of Granada	Spain	Yes	Yes	180
Claus	Seibt	Austrian Institute for International Affairs	Austria	Yes	No	3
Rajesh	Shankar Priya	Fraunhofer MOEZ	Germany	Yes	Yes	69
Prof. Daya	Shanker	Indian Institute of Technology Roorkee, Department of Earthquake	India	Yes	No	113
Neeta	Sharma	ENEA - Italian National Agency for New Technologies, Energy and	Italy	Yes	Yes	148
Prashant Kumar	Sharma	University Medical Center Groningen (UMCG)	Netherlands	Yes	Yes	164
Priyank	Shukla	University of Veterinary Medicine, Institute of Animal Breeding &	Austria	Yes	Yes	32
Rajendra Prasad	Singh	Council of Scientific & Industrial Research	India	Yes	Yes	93
Barij Nayan	Sinha	BIRLA INSTITUTE OF TECHNOLOGY	India	Yes	Yes	87
Krishnamurthy	Suthindhiran	Suthindhiran	India	Yes	Yes	133

Farooq	Syed	UNIVERSITY OF PISA	Italy	Yes	Yes	160
Fikret	Tanzer	Intergen company	Turkey	Yes	Yes	187
Christophe	Thébaud	UMR 5174 CNRS & Univ Paul Sabatier (Toulouse 3)	France	Yes	Yes	62
Shalinee	Tiwari	University of Veterinary Medicine, Institute of Animal Breeding &	Austria	Yes	No	31
Renato	Toffanin	Advanced Research Centre for Health, Environment and Space	Italy	Yes	Yes	140
Athanassios	Tyrpenou	HELLENIC VETERINARY MEDICAL SOCIETY (HVMS)	Greece	Yes	Yes	76
Constantine	Vaitsas	FORTH Help-Forward	Greece	Yes	No	75
George	Varkey	Centre for Development of Advanced Computing	India	Yes	Yes	90
George	Varkey	CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING (C-DAC)	India	Yes	Yes	92
Subramanyan	Vasudevan	CSIR-Central Electrochemical Research Institute	India	Yes	Yes	100
Rossitza	Vatcheva-Dobrevska	National HAI Reference Centre, National Centre Infection &Parasitic	Bulgaria	Yes	Yes	40
Carlo	VIBERTI	SpaceLand	Italy	Yes	Yes	157
Krishnaswamy (Vijay)	Vijayraghavan	National Centre for Biological Sciences, Tata Institute of	India	Yes	Yes	121
Pugalendi	Viswanathan	Annamalai University	India	Yes	Yes	84
Claus	Vogl	University of Veterinary Medicine, Institute of Animal Breeding &	Austria	Yes	Yes	30
Isabella	Wagner	ZSI	Austria	Yes	No	34
Gerlind	Wallon	EMBO	Germany	Yes	No	67
Christoph	Wiesner	SeaLife Pharma GmbH	Austria	Yes	Yes	26
Christian	Wilk	EURAXESS Links India	India	Yes	No	106
Tom	Williamson	ERCIM EEIG	France	Yes	Yes	57
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Delegation of the European Union to India	India
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Department of Biochemistry & Biotechnology, ANNAMALAI UNIVERSITY	India
anti-diabetic drugs , pathophysiology of diabetes & diabetic cadiovascular	*Profile: 105*
EURAXESS Links India	India
Support services for R&D cooperation	*Profile: 106*
FICCI	India
	Profile: 107
Indian Agricultural Research Institute	India
Molecular mechanisms of plant viral infection	*Profile: 108*
Indian Institute of Foreign Trade	India
Trade in Technology	*Profile: 109*
Indian Institute of Foreign Trade	India
Trade in Technology, Foreign Direct Investment	*Profile: 110*
Indian Institute of science	India
	Profile: 111
Indian Institute of Technology Mandi	India
Qualitative analysis of delay and functional differential equations and applications	*Profile: 112*
Indian Institute of Technology Roorkee, Department of Earthquake Engineering	India
Role of bio-energy in disaster mitigation	*Profile: 113*
Indian Institute of Toxicology Research	India
Safety/Toxicity of Nanomaterials	*Profile: 114*
Institute of Genomics and Integrative Biology	India
Head, Planning Monitoring and Evaluation Division	*Profile: 115*

Jawaharlal Nehru Centre for Advanced Scientific Research	India
Structure/Function studies of Plasmodium falciparum GMP synthetase	*Profile: 116*
Jawaharlal Nehru University	India
Dr, Associate Professor	*Profile: 117*
Jayasri	India
Dr. M. A. Jayasri, Assistant Professor	*Profile: 118*
Kerala University of Fisheries and Ocean Studies	India
Optimization of seed production and grow-out technologies for economically important aquatic species	*Profile: 119*
Kerala University of Fisheries and Ocean Studies	India
Optimization of seed production and grow-out technologies for economically important aquatic species	*Profile: 120*
National Centre for Biological Sciences, Tata Institute of Fundamental Research	India
Possibilities for cooperation of Indian Life Sciences Laboratories with the EU	*Profile: 121*
National Centre for Cell Science	India
Tropical Diseases	*Profile: 122*
National Chemical Laboratory	India
Valorization of traditional Indian fruit wastes and their use as feed ingredients in the diets of cattle and poultry	*Profile: 123*
NATIONAL INSTITUTE OF IMMUNOLOGY	India
Gene Therapy	*Profile: 124*
NEW PUBLIC SCHOOL SAMITI	India
REQUEST FOR PARTNERSHIP IN "Developing methodology and initial assessment for conducting mapping and size estimation of transgender – hijra populations in India".	*Profile: 125*
Nizam's Insitute of Medical Sciences	India
	Profile: 126
Nizam's Institute of Medical Sciences	India
Neurosurgery-newer modalities of treatment for Parkinsons disease	*Profile: 127*
R Thirupura Sundari	India
	Profile: 128
Saurashtra University	India
Joint research collaboration	*Profile: 129*
Society For Applied Microwaves Electronic Engineering and Research (SAMEER)	India
Dielectric processing of Agriculture produce	*Profile: 130*
Society for Innovation and Development	India
Pathogenesis of Staphylococcus aureus	*Profile: 131*
Society for Innovation and Development	India
	Profile: 132
Suthindhiran	India
Dr. K. Suthindhiran, Assistant Professor	*Profile: 133*

Tata Memorial Hospital	India
	Profile: 134
The Maharaja Sayajirao University of Baroda	India
The Maharaja Sayajirao University of Baroda	*Profile: 135*
University of Hyderabad	India
Nanotechnology and Biotechnology together can change healthcare	*Profile: 136*
University of Hyderabad, Hyderabad, India	India
Molecular pathogenesis and immunology of Mycobacterium tuberculosis (M.tb) and M.tb-HIV co-infection	*Profile: 137*
Vellore Institute of Technology	India
Protein simulation	*Profile: 138*
Advanced Research Centre for Health, Environment and Space (ARCHES)	Italy
	Profile: 139
Advanced Research Centre for Health, Environment and Space (ARCHES)	Italy
Quantitative MRI and NMR-based metabolic profiling of patients with osteoporosis and other bone disorders	*Profile: 140*
APRE – Agency for the Promotion of European Research	Italy
	Profile: 141
APRE - Agency for the Promotion of European Research	Italy
	Profile: 142
AREPOsrl	Italy
	Profile: 143
CEI COMPAGNIA ELETTRONICA ITALIANA SRL	Italy
New materials in x-ray tubes manufacturing	*Profile: 144*
CLASSIS	Italy
Biofrequential diagnosis device	*Profile: 145*
CNR ISMAC	Italy
Integrated approaches to predict the effects microRNA SNP on the response to environmental chemical stresses	*Profile: 146*
Department of Chemical, Food, Pharmaceutical and Pharmacological Sciences,Università del Piemonte Orientale "Amedeo Avogadro"	Italy
Microbial biosurfactants as anti-adhesive and antibacterial products to prevent biofilms formation	*Profile: 147*
ENEA - Italian National Agency for New Technologies, Energy and sustainable Economic Development	Italy
promoting the development of biotechnology applications	*Profile: 148*
IFOM - FIRC Institute of Molecular Oncology	Italy
	Profile: 149
Istituto Nazionale di Geofisica e Vulcanologia	Italy
Science and technology monitoring systems for geophysical, oceanographic and	*Profile: 150*

environmental applications particularly in underwater

Italian National Research Institute on Food and Nutrition, INRAN	Italy
food and nutrition security	*Profile: 151*
Neuropsilab,University of Verona	Italy
Neuropsilab- Neuropsychopharmacology research includes Tobacco and Addiction Control research and programmes.	*Profile: 152*
Pancreatic Islet Laboratory-Department of Endocrinology and Metabolism, University of Pisa	Italy
Pancreatic islet cell biology	*Profile: 153*
Regione Siciliana – Presidenza	Italy
Move	*Profile: 154*
Smi S.p.a.	Italy
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SpaceLand	Italy
Sharing weightless and low-gravity R&D flight campaign	*Profile: 157*
Università di Catania - Dipartimento di Economia e Metodi Quantitativi	Italy
	Profile: 158
University of Padova	Italy
	Profile: 159
UNIVERSITY OF PISA	Italy
Human pancreatic islet cell biology and transplantation	*Profile: 160*
Maastricht University	Netherlands
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MAASTRO clinic	Netherlands
MAASTRO clinic	*Profile: 162*
Netherlands Organization for Scientific Research	Netherlands
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University Medical Center Groningen (UMCG)	Netherlands
Antifouling and highly lubricious coatings for biomaterials	*Profile: 164*
The Research Council of Norway	Norway
	Profile: 165
Mossakowski Medical Research Centre Polish Academy of Sciences	Poland
medicinal chemistry and pharmacology	*Profile: 166*
Champalimaud Foundation	Portugal
	Profile: 167
Institute for Molecular and Cell Biology - IBMC	Portugal
	Profile: 168
Institute of Cell and Molecular Biology (IBMC)	Portugal
	Profile: 169
Instituto de Tecnologia Química e Biológica (ITQB-UNL)	Portugal

NMR Spectroscopy	*Profile: 170*
Maria Maia	Portugal
As observer	*Profile: 171*
Centro de Investigaciones Biológicas CIB-CSIC (Biological Research Centre, CIB-CSIC)	Spain
Molecular plant virology	*Profile: 172*
Escuela Técnica Superior de Ingeniería Informática y Telecomunicaciones	Spain
Signal Processing and Pattern Recognition	*Profile: 173*
Francisco J. Sanchez Gomez	Spain
	Profile: 174
GAIA	Spain
-	*Profile: 175*
Instituto de Salud Carlos III	Spain
leishmaniasis, vector borne diseases	*Profile: 176*
Instituto de Salud Carlos III	Spain
Research in control of visceral leishmaniasis	*Profile: 177*
Joaquim Puigdollers	Spain
Photovoltaic energy. Materials	*Profile: 178*
MICINN (Spanish Ministry of Science and Innovation)	Spain
	Profile: 179
University of Granada	Spain
Signal Processing and Pattern Recognition	*Profile: 180*
UTM - Consejo Superior de Investigaciones Científicas	Spain
Data assimilation of SMOS data	*Profile: 181*
Luleå University of Technology	Sweden
Effect of surface nanomorphology on (bio)chemical activity of metal oxides, sulphides, and silicates	*Profile: 182*
CAYKUR Ataturk Tea Research Institute	Turkey
Bridge from past to future	*Profile: 183*
Gazi University	Turkey
Evaluation of potential cytotoxic, genotoxic and immunomodulatory effects of commonly used drugs	*Profile: 184*
Gazi University, Faculty of Pharmacy	Turkey
Evaluation of potential genotoxic and immunmodulatory effects of commonly used drugs	*Profile: 185*
Gazi University, Faculty of Pharmacy, Department of Toxicology	Turkey
Toxicology for human health.	*Profile: 186*
Intergen company	Turkey
Biotechnology researcher	*Profile: 187*
Isik University Faculty of Fine Arts	Turkey
Isik University	*Profile: 188*
Sam Elektronik	Turkey

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TÜBITAK (The Scientific and Technological Research Council of Turkey)	Turkey
	Profile: 191
EFB Ltd	United Kingdom
INDERA	*Profile: 192*
European Bioinformatics Institute	United Kingdom
	Profile: 193

PROFILES

Profile: ***1***

FEAST

Address	67a liversidge st	**Australia**
	0200 - Canberra	
Email	jean-francois.deavignes-hicks@anu.edu.au	
www	www.feast.org	
Org. Type (Size)	University (250+)	

Contact Person	
Name	**Jean-Francois Desvignes-Hicks**

Short description of company

The Forum for European–Australian Science and Technology Cooperation (commonly known as "FEAST") is an organization established by the Australian Government and the European Union to highlight, promote, and facilitate research collaboration between their respective communities.

The FEAST Secretariat is hosted by The Australian National University on behalf of the research community.

FEAST's mandate is derived from intergovernmental talks between Australia and the European Union. The 1997 Joint Declaration on Relations between Australia and the European Union formalised the commitment to enhanced co-operation, and the Agenda for Co-operation (2003) specifically identified Australia and Europe's commitment to making optimal use of FEAST as a key vehicle in promoting, facilitating, and evaluating collaborative research between Australia and Europe.

Profile: 2

Forum for European-Australian Science and Technology cooperation

Address	Building 67a, The Australian National University 0200 - Canberra	**Australia**
Phone	+61 2 6125 7885	
Email	rado.faletic@anu.edu.au	
www	http://www.feast.org/	
Org. Type (Size)	Other (1-10)	

Contact Person	
Title	Dr
Position	Executive Director
Name	**RadoFaletic**

Short description of company

The Forum for European–Australian Science and Technology cooperation (commonly known as "FEAST") is an organization established by the Australian Government and the European Union to highlight, promote, and facilitate research collaboration between their respective communities.

Profile: 3

Austrian Institute for International Affairs

Address	berggasse 1	**Austria**
	1090 - Vienna	
Email	claus.seibt@oiip.ac.at	
Org. Type (Size)	Research Organisation (11-25)	

Contact Person	
Title	Dr
Position	senior adviser
Name	**ClausSeibt**

Area of activity

- Other : Public policy advice

Short description of company

Austrian Institute for International Affairs (OIIP) is a foreign affairs policy institute whichhas a particular focus on research and advice in international science and technologypolicy and science diplomacy. OIIP is supporting strategy and programme implementation in this area as major think tank in foreign affairs in Austria.

Profile ***4***

Austrian Institute Of Technology GmbH

Address	Donau-City-Str. 1	**Austria**
	1220 - Vienna	
Phone	+43 50550 4300	
Email	rudolf.heer@ait.ac.at	
www	www.nanosystems.at	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Dr.
Position	Senior Engineer
Name	**Rudolf Heer**

Area of activity

- Biotechnology
- Health

Short description of company

AIT Austrian Institute of Technology GmbH
Key infrastructure issuesThe AIT Austrian Institute of Technology, Austria's largest non-university research institute, is among the European research institutes a specialist in the key infrastructure issues of the future.
Ingenious PartnerAs an Ingenious Partner to industry and public institutions, AIT is already researching and developing the technologies, methods and tools of tomorrow - paving the way for the innovations of the day after tomorrow.
ShareholdersThe Republic of Austria (through the Federal Ministry for Transport, Innovation and Technology) has a share of 50.46%, while the Federation of Austrian Industries owns 49.54% of the AIT Austrian Institute of Technology.
LocationsIn Austria, there are over 1.100 employees - largely based at the main facilities Vienna Tech Gate, Vienna TECHbase, Seibersdorf, Wr. Neustadt, Ranshofen and Leoben – working on the development of those tools, technologies and solutions for Austrian industry considered to be of future relevance and which comply with the institute's motto "Tomorrow Today". SubsidiariesSeibersdorf is also where the two wholly-owned subsidiaries "Seibersdorf Labor GmbH", which offers laboratory and other services, and "Nuclear Engineering Seibersdorf GmbH", are located.

Center of thin film technology - offer

Nano Systems combines semiconductor technology and thin film processes with innovative concepts from nano- and biosciences. His Centre of Thin Film Technology is specially equipped for heterogeneous integration of multifunctional components based on different technologies and materials. Functional layers, sensors and actuators, microfluidics, microheaters, microelectronics and nanotechnological components are assembled to advanced devices. The integration of bio-, nano- and biomimetic interfaces and materials is the key benefit for product improvements and novel solutions for customers. www.nanosystems.at

*Profile: **5***

Austrian Research Promotion Agency FFG

Address	Sensengasse 1	**Austria**
	A-1090 - Vienna	
Phone	+43 5 77 55 0	
Email	ylva.huber@ffg.at	
www	www.ffg.at	
Org. Type (Size)	Other (250+)	

Contact Person	
Name	**Ylva Huber**

Area of activity

- Other : Information Officer for "Health" FP7, ERC NCP

*Profile: **6***

Austrian Science Fund (FWF)

Address	Sensengasse 1 1090 - Wien	**Austria**
Phone	+43 1 5056740 0	
Email	belocky@fwf.ac.at	
www	www.fwf.ac.at	
Org. Type (Size)	Other (51-100)	

Contact Person	
Title	Dr.
Position	Head of Unit, International Programmes
Name	**Reinhard Belocky**

Area of activity

- Other : research funding

Short description of company

The Austrian Science Fund (FWF) is Austria's main organisation for the funding of fundamental research.

Profile: 7

CEIT Alanova

Address	Concorde Business Park 2/F 2320 - Schwechat	**Austria**
Email	a.marcoci@ceit.at	
www	www.ceit.at	
Org. Type (Size)	Research Organisation (11-25)	

Contact Person	
Title	MSc
Position	Researcher
Name	**Adela Marcoci**

Area of activity

- Other : Researcher and project proposal developer

Short description of company

CEIT Alanova is an applied research institute based in Schwechat,Austria, with a team that consists of planners, geographers, environmental resources managers and technicians.
Specifically its competences cover the following domains:
· Cities and Urban development - Holistic / Interdisciplinary / Trans-disciplinary approaches
· Urban Planning and Regional Development
· Urban Technologies, Transport Technologies, Environmental Technologies
· Information and Knowledge Society
· Sustainability and Resource Management
· Geographic Information Technologies, GIS
CEIT has participated or is presently participating in several EU and National projects:
AIRCLIP –A research study on Airports and Climate Preservation.
Busstop 3.0: Project on the future of public transportation stops.
MAI: mobility pass for residential Real Estate: calculation of mobility costs related to housing
Holodeck: Research on technology based instruments and methods in urban and transport planning
AmauroMap: interactive digital map for blind or visually impaired
ARGUS-FP7: project focuses onto a satellite based navigation (GNSS/ EDAS) terminal for people with impaired visually capabilities, guiding them along pre-defined tracks (pre recorded or automatically calculated route), using specifically designed HMI such as acoustic and haptic signals.

Networking for knowledge

The Central European Institute of Technology (CEIT) is an Applied Research and Development Establishment founded in 2006 and located in the City of Schwechat, next to Vienna International Airport. CEIT takes the scientific know-how and renders it useful for practical application.

Innovative aspects and main advantadges / benefits:

Our main goal is to successfully contribute to "The Liveable City for Everybody" :

- Cities and Urban develepment - Holistic / Interdisciplinary / Transdisciplinary approaches
- Urban Planning and Regional Development
- Urban Technologies, Transport Technologies, Environmental Technologies
- Information and Knowledge Society
- Sustainability and Resource Management
- Geographic Information Technologies, GIS

CEIT is organizing for the past 16 years the REAL CORP conferences which covers topic related to the R&D in urban planning, information technologies etc.

(more info on http://www.ceit.at/ceit-alanova/projekts/real-corp and http://www.corp.at/)

Profile: ***8***

Christian Doppler laboratory for molecular cancer chemoprevention, Medical University of Vienna

Address	Waehringer Guertel 18-20 1090 - Vienna	**Austria**
Email	vineeta.khare@meduniwien.ac.at	
www	http://www.meduniwien.ac.at/innere3/gaschelab/contact.html	
Org. Type (Size)	Research Organisation (11-25)	

Contact Person	
Title	Ph.D
Position	Senior Scientist
Name	**Vineeta Khare**

Area of activity

- Biotechnology
- Health

Short description of company

The Christian Doppler Society (CDG) supports application based fundamental research. The CDG research centers/institutes are established by qualified scientists in universities /research institutions in collaboration with companies for a maximum of 7 years. The funding for CD laboratories is provided by member companies and are further supported by Christian Doppler foundation. The cooperation between CD labs and companies is beneficial for both partners in terms of scientific knowledge produced from funded research projects.

CD laboratory for molecular cancer chemoprevention established by Prof. Christoph Gasche runs six modules in collaboration with industrial partners: Shire and Biogena ; approved after peer review and intense evaluation from CDG. There are additional grant findings to Prof. Gasche from Austrian Science Fund (FWF). The research projects are focused towards prevention of colorectal carcinogenesis in both spontaneous and colitis-associated cancers.

Profile: ***9***

Division of Biological Chemistry, Biocenter, Medical Universtiy Innsbruck

Address	Fritz-Pregl-Strasse 3	**Austria**
	6020 - Innsbruck	
Email	sebastian.schroecksnadel@i-med.ac.at	
Org. Type (Size)	University (1-10)	

Contact Person	
Name	**Sebastian Schröcksnadel**

Area of activity

- Other: Immunology

Profile: ***10***

EMEA Services

Address	Schottenring 33 1010 - Vienna	**Austria**
Phone	+43 699 11140031	
Email	b.braunegger@emea-services.com	
www	www.emea-services.com	
Org. Type (Size)	Company (1-10)	

Contact Person	
Title	Mag.
Position	Managing Partner
Name	**Bernhard Braunegger**

Area of activity

- Other: Consulting services for successful business expansion in the European market

Short description of company

EMEA Services is supporting companies with successful business expansion strategies across Europe. The fundamental of consulting services are based on thorough product/ service portfolio analysis followed by market and operational rediness check. Apart from providing guidance and support for various industries EMEA Services is implementing decided measures (organic and inorganic) as interim managers during the initial start up phase.
The core team of experienced international professionals and is supported by a European wide pool of freelancers, all specialists in their fields (sales & marketing, M&A, legal, finance, HR, etc.) and geographies with a proven track record.

EMEA Services: European market entry acceleration

Innovative aspects and main advantadges / benefits:
EMEA Services is supporting companies with successful business expansion strategies across Europe. The fundamental of consulting services are based on thorough product/ service portfolio analysis followed by market and operational rediness check. Apart from providing guidance and support for various industries EMEA Services is implementing decided measures (organic and inorganic) as interim managers during the initial start up phase.
The core team of experienced international professionals and is supported by a European wide pool of freelancers, all specialists in their fields (sales & marketing, M&A, legal, finance, HR, etc.) and geographies with a proven track record.

Profile: ***11***

eutema

Address	lindengasse 43-13	**Austria**
	1070 - vienna	
Email	melzer@eutema.com	
www	www.eutema.com	
Org. Type (Size)	SME - Small Medium Enterprise (1-10)	

Contact Person	
Name	**Georg Melzer**

Area of activity

- Biotechnology
- Other

Short description of company

Eutema Technology Management GmbH (EUTEMA) is a strategic research and technology consultant company based in Vienna, Austria, with a focus on ENV, KBBE and ICT. It is skilled in designing and managing research programmes and projects as well as RTD policies. Eutema has a broad experience in the analysis, design, and implementation of national and international research policies. The company has performed national and international strategic studies, projects for the advancement of international research collaboration, and assessments of research actors in the EU and elsewhere.
Technology transfer, research collaboration, increasing uptake of RTD results by SMEs together with a strong focus on disseminating results to various stakeholders through optimised channels are key competences of eutema.

eutema currently co-ordinates EcoWeb www.ecoweb.info ("Dynamic e-dissemination systems and platforms for enterprises including SMEs to exploit results for eco-innovation"). EcoWeb will bring companies close to relevant eco-innovation EU results through semantic-web-technology and existing eco-innovation network multipliers. Based on semantic-web-technology we will collect and structure information whilst multipliers will disseminate results through existing channels.

RTD2Farm (co-coordinator, and dissemination manager) www.rtd2farm.eu ("Sharing best practice and enhancing European collaboration on research, knowledge transfer and innovation in farm animal science") RTD2Farm has a simple, yet effective strategy to increase the uptake of RTD Results by livestock farmers. RTD2Farm will analyse

methods for knowledge and technology transfer, define Best Practice, and implement a centre for life-long learning.

eutema

Eutema Technology Management GmbH (EUTEMA) is a strategic research and technology consultant company based in Vienna, Austria, with a focus on ENV, KBBE and ICT. It is skilled in designing and managing research programmes and projects as well as RTD policies. Eutema has a broad experience in the analysis, design, and implementation of national and international research policies. The company has performed national and international strategic studies, projects for the advancement of international research collaboration, and assessments of research actors in the EU and elsewhere.

Innovative aspects and main advantadges / benefits:
Technology transfer, research collaboration, increasing uptake of RTD results by SMEs together with a strong focus on disseminating results to various stakeholders through optimised channels are key competences of eutema.

Interested in:
ENV.2012.6.6-1 EU-India cooperation in water technology: research and innovation -FP7-ENV-2012-one-stageWater related challenges have been recently identified as an important theme for moreambitious research collaboration between EU, Member States and India, in the context of theStrategic Forum for S&T International Cooperation. India's water resources are stressed anddepleting and need to tackle the increasing incidence of both droughts and floods, whilesectoral demands are growing rapidly in line with urbanisation, population increases,intensive agricultures, rising incomes and industrial growth. The countries like Indiatherefore need advanced yet cost effective technologies, innovative design approaches andtechnical standards commensurate to their local conditions. The objective of this call is todevelop reliable and cost-effective solutions for producing clean and safe drinking water atcommunity level, reliable, rapid and cost-effective monitoring techniques for the detection ofwater contaminants, cost effective low energy technologies for treatment of municipal andhousehold wastewater including disposal of sludge/ energy recovery from sludge, andtechniques for on-line pathogen monitoring for safe reuse of treated water for intendedapplication. Successful projects should aim either to generate new knowledge by developinginnovative technologies/ products beyond current state-of-the-art, or to assess the potentialand sustainability of existing technologies, from both the socio-economic and technical pointof view, in order to provide real life solutions in specific locations in India facing importantwater problems. These activities should be implemented in close cooperation with academia,research and development institutions, industry and appropriate stakeholders. A relevantparticipation of R&D performing SMEs is requested. The EU grant shall cover theparticipation of the European partners and, where appropriate, partners from third countrieseligible for funding, other than partners from India.Funding scheme: SME-targeted Collaborative Project

Profile: ***12***

expergen drug development gmbh

Address	hernalser hauptstrasse 24 1170 - vienna	**Austria**
Phone	+43 676 844 983 300	
Email	office3@expergen.at	
Org. Type (Size)	SME - Small Medium Enterprise (1-10)	

Contact Person	
Title	Dr
Position	Ceo
Name	**Paul Meng**

Area of activity

- Biotechnology
- Other

Short description of company

expergen is a company focused in drug development of drugs in oncology and neglected disease till clinical phase II, for phase III we are licensing out our projects to strategic partner

Profile: ***13***

FFG - Austrian Research Promotion Agency | Divison European and International Programmes

Address	Sensengasse 1	**Austria**
	A-1090 - Vienna	
Email	ralf.koenig@ffg.at	
www	http://rp7.ffg.at	
Org. Type (Size)	Other (101-250)	

Contact Person	
Position	Head of Unit
Name	**RalfKönig**

Profile: ***14***

FFG Austrian Research Promotion Agency

Address	Sensengasse 1	**Austria**
	1090 - Vienna	
Email	astrid.hoebertz@ffg.at	
Org. Type (Size)	Other (101-250)	

Contact Person	
Title	Dr
Position	NCP Health FP7
Name	**AstridHoebertz**

Area of activity

- Biotechnology
- Health

Short description of company

FFG with its Division of European and International Programmes (EIP) offers comprehensive information and expert advice for organisations and researchers located in Austria and their partners abroad interested in participating in European Research Programmes, especially FP7.

Profile: ***15***

French Embassy in Vienna

Address	Währingerstrasse 30 1090 - Vienna	**Austria**
Email	nina.grisot@diplomatie.gouv.fr	
www	http://ifvienne.org/	
Org. Type (Size)	Governmental body (11-25)	

Contact Person	
Title	Master
Position	Responsible european R&D project
Name	**Grisot Nina**

Short description of company

Scientific departement of the french embassy. I am responsible of european project wich are financed by the european commission.
I am here to help austrian researchers to find french partners for their project and informations about research in France

Profile: ***16***

IBMH,University of Veterinary Medicine

Address	Veterinaraeplatz 1 1210 - Vienna	**Austria**
Email	shivanandhegde@gmail.com	
Org. Type (Size)	University (26-50)	

Contact Person

Name **Shivanand Hegde**

Area of activity

- Biotechnology

Short description of company

Our work is focussed on the mycoplasmas. We are trying to understand pathogenecity determinants of mycoplasmas by in vitro and in vivo studies using transposon mutant library.

Profile: ***17***

Institute of Bacteriology, Mycology & Hygiene, VetMedUni, Vienna

Address	Veterinaerplatz 1 1210 - Vienna	**Austria**
Phone	00431 25077 2105	
Email	rohini.chopra-dewasthaly@vetmeduni.ac.at	
Org. Type (Size)	University (26-50)	

Contact Person	
Title	PhD
Position	Group Leader at IBMH
Name	**Rohini Chopra-Dewasthaly**

Short description of company

The overall research focus of our group is directed towards the molecular understanding of mycoplasma pathogenesis. The current projects concentrate on the Vpma antigenic variation system of Mycoplasma agalactiae, studying the molecular genetic factors regulating the expression and variability of different Vpma proteins with special reference to their role in host pathogen interactions and immune evasion by in vitro and in vivosheep infection studies.

Also, we are using a pool of sequenced Tn mutants for screening other infection-related genes by previously established (negative selection) as well as novel molecular strategies.

Profile: ***18***

International Institute for Applied Systems Analysis (IIASA)

Address	Schlossplatz 1 A-2361 - Laxenburg	**Austria**
Phone	+43-2236807-336	
Email	purohit@iiasa.ac.at	
www	http://www.iiasa.ac.at/	
Org. Type (Size)	Research Organisation (101-250)	

Contact Person	
Title	Dr.
Position	Researcher/Scientist
Name	**Pallav Purohit**

Area of activity

- Other: Energy and Climate Change; Food and Water; Poverty and Equity.

Short description of company

Founded in 1972, the International Institute for Applied Systems Analysis (IIASA) is an international research organization that conducts policy-oriented research into problems that are too large or too complex to be solved by a single country or academic discipline:
problems like climate change that have a global reach and can be resolved only by international cooperative action, or problems of common concern to many countries that need to be addressed at the national level, such as energy security, population aging, and sustainable development.

IIASA's research investigates the critical issues of global environmental, economic, technological, and social change that we face in the twenty-first century. The researchers, some 200 mathematicians, social scientists, natural scientists, economists, and engineers, develop assessment and decision-support methodologies, global databases, and analytical tools to study the issues. IIASA concentrates its research efforts within three core research themes:
Energy and Climate Change;
Food and Water;
Poverty and Equity.

Profile: ***19***

Inventogen

Address	Einsiedlergassem36 1050 - Vienna	**Austria**
Phone	004368110604312	
Email	office@inventogen.COM	
www	www.inventogen.COM	
Org. Type (Size)	SME - Small Medium Enterprise (1-10)	

Contact Person	
Title	Mag.
Position	CEO
Name	**Ferdinand Kaser**

Area of activity
• Biotechnology

We are interested in genomics

Profile: ***20***

Johann Radon Institute for Computational and Applied Mathematics (RICAM), Austrian Academy of Sciences (ÖAW)

Address	Altenbergerstraße 69 4040 - Linz	**Austria**
Phone	+43-732- 2468-5215	
Email	sergei.pereverzyev@oeaw.ac.at	
www	http://www.ricam.oeaw.ac.at/	
Org. Type (Size)	Research Organisation (51-100)	

Contact Person	
Title	Prof. Dr.
Position	Senior research scientist
Name	**Sergei Pereverzyev**

Area of activity

- Other: Mathematical modeling

Short description of company

The Johann Radon Institute for Computational and Applied Mathematics (RICAM) does basic research in computational and applied mathematics according to highest international standards obtains the motivation for its research topics also from challenges in other scientific fields and industry emphasizes interdisciplinary cooperation between its workgroups and with institutions with similar scope and universities world-wide cooperates with other disciplines in the framework of special semesters on topics of major current interest wishes to attract gifted postdocs from all over the world and to provide an environment preparing them for international careers in academia or industry cooperates with universities by involving PhD-students into its research projects promotes, through its work and reports about it, the role of mathematics in science, industry and society .

Prediction of Blood Glucose for Diabetes Patients in India

Diabetes mellitus (DM) is a common and serious disease in which blood glucose levels are abnormally fluctuate. Moreover, diabetes is a prime risk factor for heart disease, kidney failure, eye problems, brain damage, coma and diabetic hyperosmolar syndrome.

India have the highest number of diabetic patients in the world, in fact, the country is considered now as a diabetes capital of the world. The International Diabetes Federation estimates that the number of diabetic patients in India more than doubled from 19 million in 1995 to 40.9 million in 2007. It is projected to increase to 69.9 million by 2025.

It has been shown in the Diabetes Controls and Complication Trial (DCCT) that if diabetes patients control blood glucose levels at close to normal values then they reduce several diabetic complications. For such a control, it is important to know the future blood glucose level.
In the Johann Radon Institute for Computational and Applied Mathematics - Austrian Academy of Sciences (RICAM), we have developed a fully adaptive regularized learning (FARL) algorithm for the prediction of future blood glucose concentration. The algorithm is developed in the course of EU-project "DIAdvisorTM: personal glucose predictive diabetes advisor". Its performance has been tested in several DIAdvisorTM clinical trials. The clinical trials are done in Montpellier University Hospital Center (CHU, France), Department of Clinical and Experimental Medicine at the University of Padova (UNIPD, Italy), and Institute for Clinical and Experimental Medicine at Prague (IKEM, Czech Republic). It means that the developed algorithm has been implemented in a device and tested on real environment. This shows that DIAdvisorTM research project is not only allowing research cooperation among academicians, clinicians and engineers but also it will help to improve the quality of diabetes patient's life.
In the clinical experiments with predictors based on FARL-algorithm we have observed several attractive features such as a portability of a predictor from individual to individual without re-adjustment/calibration short sampling history required for prediction a possibility to use data with essential gaps in measurements for some clinically important prediction horizons the reliability of the developed predictors is similar to that of commercially available blood glucose meters such as Abbott Freestyle Navigator and DexCom Seven PLUS.

Note that the above mentioned clinical trials are restricted to the group of patients from EU countries. The question about the performance of new predictors for Indian patients is open, since it is known that several peculiarities, such as meal and cultural attitudes to eating should be taken into account.

As a first step research cooperation, we propose to make a clinical trial similar to DIAdvisorTM in India. This will pave a way to develop a robust blood glucose prediction algorithm which is highly important for efficient diabetes therapy. Moreover, the project will not only allow research cooperation between EU and India but also will help to improve the quality of diabetes patient's life.

Profile: ***21***

Johann Radon Institute for Computational and Applied Mathematics, Austrian Academy of Sciences

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Org. Type (Size)	Research Organisation (51-100)	

Contact Person	
Title	Dr
Position	Research Scientist
Name	**Sivananthan Sampath**

Area of activity

- Other: Inverse Problems, Mathematical Biology

Short description of company

The Johann Radon Institute for Computational and Applied Mathematics (RICAM)
does basic research in computational and applied mathematics according to highest international standards
obtains the motivation for its research topics also from challenges in other scientific fields and industry
emphasizes interdisciplinary cooperation between its workgroups and with institutions with similar scope and universities world-wide
cooperates with other disciplines in the framework of special semesters on topics of major current interest
wishes to attract gifted postdocs from all over the world and to provide an environment preparing them for international careers in academia or industry
cooperates with universities by involving PhD-students into its research projects
promotes, through its work and reports about it, the role of mathematics in science, industry and society

Prediction of Blood Glucose for Diabetes Patients in India

Diabetes mellitus (DM) is a common and serious disease in which blood glucose levels are abnormally fluctuate. Moreover, diabetes is a prime risk factor for heart disease, kidney failure, eye problems, brain damage, coma and diabetic hyperosmolar syndrome.

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In the Johann Radon Institute for Computational and Applied Mathematics - Austrian Academy of Sciences (RICAM), we have developed a fully adaptive regularized learning (FARL) algorithm for the prediction of future blood glucose concentration. The algorithm is developed in the course of EU-project "DIAdvisorTM: personal glucose predictive diabetes advisor" [3]. Its performance has been tested in several DIAdvisorTM clinical trials. The clinical trials are done in Montpellier University Hospital Center (CHU, France), Department of Clinical and Experimental Medicine at the University of Padova (UNIPD, Italy), and Institute for Clinical and Experimental Medicine at Prague (IKEM, Czech Republic). It means that the developed algorithm has been implemented in a device and tested on real environment. This shows that DIAdvisorTM research project is not only allowing research cooperation among academicians, clinicians and engineers but also it will help to improve the quality of diabetes patient's life.
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for some clinically important prediction horizons the reliability of the developed predictors is similar to that of commercially available blood glucose meters such as Abbott Freestyle Navigator and DexCom Seven PLUS

Note that the above mentioned clinical trials are restricted to the group of patients from EU countries. The question about the performance of new predictors for Indian patients is open, since it is known that several peculiarities, such as meal and cultural attitudes to eating should be taken into account.

As a first step research cooperation, we propose to make a clinical trial similar to DIAdvisorTM in India. This will pave a way to develop a robust blood glucose prediction algorithm which is highly important for efficient diabetes therapy. Moreover, the project will not only allow research cooperation between EU and India but also will help to improve the quality of diabetes patient's life.

Profile: 22

Manuel Schuler

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Org. Type (Size)	Research Organisation (51-100)	

Contact Person	
Name	**Manuel Schuler**

Short description of company
The centre for social innovation (ZSI) is an independant scientific institution, asserting leadership in Europe to advance social innovation and to foster an open and solidly united society.

Profile: 23

Medical University of Vienna / AKH, Department of Radiation Therapy

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Org. Type (Size)	University (250+)	

Contact Person	
Title	Dr.
Position	Associate Professor
Name	**Christian Kirisits**

Area of activity

- Health
- Other

Short description of company

The Department of Radiation Therapy of the Medical University of Vienna and the AKH (General Hospital) is the largest academic department for radiation oncology in Austria and one of the largest in Europe.We offer individualised high-precision radiotherapy for cancer patients; often in combination with surgery and chemotherapy.The department treats 3000 patients each year. Most of our patients can be treated as outpatients, so that they can remain at home with their families. For those patients who need more care during treatment, our 2 wards provide 56 beds. In addition to first-class medical treatment, we insist on making our patients as comfortable as possible during their stay. Every second patient can be cured by radiation therapy. We have achieved lasting pain reduction in 70% of our patients who suffered from pain, hence significantly improving their quality of life.

Image-Guided Radiotherapy (IGRT) / Image-Guided Adaptive Brachytherapy (IGABT)

Cervix cancer is a life threatening disease of women, often associated with a lower class status. It is very frequent in Central andEastern Europewith a much poorer outcome than in the Western world. It is the dominating cancer in many areas of the world likeIndia, parts of South America andAfrica.

The research and development in the field of gynaecologic adaptive image based radiotherapy (brachytherapy) focuses on the improvement and individualisation of therapeutic interventions based on advanced imaging technologies, in particular to translate the progress as achieved in the different areas of diagnostic and treatment technology areas into clinical benefit for cancer patients.

Image guided interventional oncology has been a major component for improvement of cancer care during the last decades with many improvements having been reached and bears the potential of significant improvement in regard to cancer control (up to 30%) and adverse side effects (<10%).

Innovative aspects and main advantadges / benefits:

Imaging in radiotherapy allows the radiation oncologist to define a target volume based on each patient's individual topography. Subsequently, substantial interest in developing highly individualized therapies has evolved continuously over the last decades resulting in a latest development known nowadays as image-guided radiotherapy (IGRT).

Currently, IGRT is being investigated all over the world for several types of cancer for both external beam radiotherapy (EBRT) and brachytherapy (BT) and is introduced more and more into clinical routine. Especially for highly effective treatments such as IMRT and stereotactic radiotherapy (CT, MRI, functional imaging) and brachytherapy (CT, MRI, ultrasonography) image guidance is becoming more and more an indispensable tool.

For cervical cancer image-guided adaptive brachytherapy (IGABT) using (T2-weighted) MRI is an evolving method which was primarily developed at the Medical University of Vienna as one of the leading institutions in this field

This highly effective treatment is restricted to centres with access to MRI. MRI is cost intensive with regard to both equipment and man power and is only available for radiotherapy planning at a limited number of institutions - especially in countries of Central/Eastern Europe and the developing world with the highest incidence of locally advanced tumours.

The resources for research and development are very limited, due to only national limited funding and require an international approach to fully develop the potential of this new strategy and to make it ready as a comprehensive product for dissemination all over the world, including major developing countries

Profile: ***24***

Medical University of Vienna / Center for Brain Research

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Contact Person	
Name	**Michael Berger**

Area of activity

- Health: Receptors in the CNS, mediating the effects of neurotransmitters and neuromodulators

Short description of company

The Center for Brain Research at the Vienna Medical University conducts basic research on the brain, on its physiological functions and on its malfunctions in neurological and psychiatric diseases.

In vitro test of neuro-active compounds at receptors

We offer to test neuro-active compounds on membranes prepared from rat brain.

Innovative aspects and main advantadges / benefits:

Testing new compounds on brain membranes represents an easy screening to select those compounds that might deserve more extensive testing e.g. in whole animals.

Profile: ***25***

OeAD-GmbH (Austrian Agency for International Cooperation in Education and Research)

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Contact Person	
Title	Master
Position	S&T program officer
Name	**Sonya BALTI**

SeaLife Pharma GmbH

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Org. Type (Size)	SME - Small Medium Enterprise (1-10)	

Contact Person	
Title	Prof.(FH) Mag. Dr.
Position	CSO
Name	**Christoph Wiesner**

Area of activity

- Biotechnology
- Health

Short description of company

SeaLife Pharma GmbH
The company
SeaLife Pharma® (SeaLife) is an innovative marine biotechnology company focusing on the discovery and development of new bio-active compounds. Our research is based on the chemical diversity of unexplored marine microbes and broad experience in the anti-infective area at all relevant levels from basic research to clinical development.
SeaLife was founded in December 2007 and actively started to develop compounds in September 2008. The company is currently privately funded and state-aided by the Austrian Wirtschaftsservice (AWS) and the Accent NÖ (Accent). In September 2008 the company was registered as a limited liability (GmbH)
The pipeline
With a new strategic approach, Ecotargeting®, SeaLife has developed a strong pipeline of novel, biologically active compounds in its core areas of business. In the future, the innovative marine microbial library will form the heart of the company and will serve as a valuable resource for our commercial activities.
The development
With specialists for pre-clinical and clinical development, SeaLife contributes pharmaceutical know-how in the antibiotics, antimycotics and antiviral sectors, in the chemical synthesis of organic compounds and the establishment of high throughput cell culture test systems for toxicological studies (MTT, AnnexinV/PI, hERG etc.). Furthermore, in the last year, SeaLife started to establish innovative physiologically-relevant 3-dimensional test systems such as human skin equivalents and 3D tumor spheroids to investigate wound healing, toxicity, anti-carcinogenic etc. effects.
The company conducts most of the pre-clinical research in house and will do the clinical research in cooperation with medical universities in Europe.

SeaLife Pharma® (SeaLife) is an innovative marine biotechnology company focusing on the discovery and development of new bio-active compounds. With a new strategic approach, Ecotargeting®, SeaLife has developed a strong pipeline of novel, biologically active compounds.

Innovative aspects and main advantadges / benefits:

With specialists for pre-clinical and clinical development, SeaLife contributes pharmaceutical know-how in the antibiotics, antimycotics and antiviral sectors, in the chemical synthesis of organic compounds and the establishment of high throughput cell culture test systems for toxicological studies (MTT, AnnexinV/PI, hERG etc.).

Furthermore, in the last year, SeaLife started to establish innovative physiologically-relevant 3-dimensional test systems such as human skin equivalents and 3D tumor spheroids to investigate wound healing, toxicity, anti-carcinogenic etc. effects.

Profile: 27

SeaLife Pharma GmbH

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Org. Type (Size)	Company (1-10)

Contact Person	
Title	Mag. Dr.
Position	CEO
Name	**Alexander Pretsch**

Area of activity

- Biotechnology
- Health

Short description of company

SeaLife Pharma GmbH
The company
SeaLife Pharma® (SeaLife) is an innovative marine biotechnology company focusing on the discovery and development of new bio-active compounds.
With a new strategic approach, Ecotargeting®, SeaLife has developed a strong pipeline of novel, biologically active compounds.
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The company conducts most of the pre-clinical research in house and will do the clinical research in cooperation with medical universities in Europe.

Profile: ***28***

University of Natural Resources and Life Sciences

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Contact Person	
Title	M.A.
Position	Researcher
Name	**Sina Leipold**

Profile: ***29***

University of Veterinary Medicine Vienna, Institute for Applied Botany and Pharmacognosy

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Org. Type (Size)	University (250+)	

Contact Person	
Title	Prof. Dr.
Position	Head of the Institute
Name	**Chlodwig FRANZ**

Area of activity

- Biotechnology
- Health

Functional Plant Products in Animal Health and Nutrition

Search for new plants and plant products to be used as herbal medicinal products or functional feed additives for horses, pet animals and farm animals

Innovative aspects and main advantadges / benefits:

to substitute in-feed antibiotics and synthetic pharmaceuticals, especially for organic production of farm animals, but also for well-being of pet animals and horses due to the fact that animal owners prefer "herbal products"

Profile: ***30***

University of Veterinary Medicine, Institute of Animal Breeding & Genetics

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Org. Type (Size)	University (26-50)	

Contact Person	
Title	Dr. Phil.
Position	Associate Professor
Name	**Claus Vogl**

Area of activity

- Biotechnology
- Health

Short description of company

The Institute of Animal Breeding & Genetics, University of Veterinary Medicine (VetMedUni), Vienna, has a broad expertise in immuno-genetics, transgenetics and bioinformatics/statistics. The laboratory is state-of-the-art equipped for tissue culture, molecular genetics and immunohistochemistry. The research group operates a facility for biosaftey 2/3 level experimentation. In addition, the research group has unlimited access to the technology platforms at VetMedUni Vienna, i.e. VetOmics (mid-scale RT-qPCR, Illumina® next generation sequencing), Biomodels Austria (generation and cryopreservation of transgenic mice), and VetBioBank (tissue banking and imaging platform). The institute also has access to the running FWF SFB F28 'Jak-Stat Signalling: From Basics to Disease' consortium (www.jak-stat.at), including the SFB's technical platfoms, i.e. Bioinformatics and Illumina GAIIx Next Generation Sequencing (NGS), a large collection of Jak-Stat related 'in-house' gene-modified mice (> 20) and an advanced tissue culture facility focusing on in-vitro culture of multipotent cells and haematopoietic progenitor cells. I am also taking part in the running FWF Doktoratskolleg, W1225-B20, 'Population Genetics' (www.popgen-vienna.at) focusing on statistical and mathematical population genetics. My responsibilities include teaching and research on experimental planning, statistical theory and analysis, population genetics, and bioinformatics.

Population Genetics. Statistics and Theory

With other members of the doctorate college in population genetics funded by the FWF (the major Austrian funding agency for basic research), we offer Ph.D. positions in population genetics. My own research topic is "Inferring Selection Using Drosophila Whole Genome Sequence Data". The position is open for biologically interested mathematicians and statisticians and mathematically and statistically interested biologists and bioinformaticians. Innovative aspects and main advantadges / benefits: The faculty members of the doctorate college in population genetics are first class scientists. The program is competitive with the best international offers.

Profile: ***31***

University of Veterinary Medicine, Institute of Animal Breeding & Genetics

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Org. Type (Size)	University (26-50)	

Contact Person	
Title	Dr.
Position	Guest Scientist
Name	**Shalinee Tiwari**

Area of activity

- Biotechnology
- Health
- Other: Bioinformatics

Short description of company

The Institute of Animal Breeding & Genetics, University of Veterinary Medicine (VetMedUni), Vienna, has a broad expertise in immuno-genetics, transgenetics and bioinformatics/statistics. The laboratory is state-of-the-art equipped for tissue culture, molecular genetics and immunohistochemistry. The research group operates a facility for biosafety 2/3 level experimentation. In addition, the research group has unlimited access to the technology platforms at VetMedUni Vienna, i.e. VetOmics (mid-scale RT-qPCR, Illumina® next generation sequencing), Biomodels Austria (generation and cryopreservation of transgenic mice), and VetBioBank (tissue banking and imaging platform).
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Profile: 32

University of Veterinary Medicine, Institute of Animal Breeding & Genetics

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Org. Type (Size)	University (26-50)	

Contact Person	
Title	Dr.
Position	Postdoctoral Fellow (Bioinformaticien)
Name	**Priyank Shukla**

Area of activity

- Biotechnology
- Health
- Other: Bioinformatics

Short description of company

The Institute of Animal Breeding & Genetics, University of Veterinary Medicine (VetMedUni), Vienna, has a broad expertise in immuno-genetics, transgenetics and bioinformatics/statistics. The laboratory is state-of-the-art equipped for tissue culture, molecular genetics and immunohistochemistry. The research group operates a facility for biosafety 2/3 level experimentation. In addition, the research group has unlimited access to the technology platforms at VetMedUni Vienna, i.e. VetOmics (mid-scale RT-qPCR, Illumina® next generation sequencing), Biomodels Austria (generation and cryopreservation of transgenic mice), and VetBioBank (tissue banking and imaging platform).
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Next Generation Sequencing (NGS) Data Analysis & Machine Learning

I am responsible for the NGS data analysis coming from the Bioinformatics platform of FWF SFB F28 'Jak-Stat Signalling: From Basics to Disease' consortium (www.jak-stat.at). My current work includes analysis of data from ChIP-Seq, RNA-Seq, Expression Profilling and SNP-Calling experiments.
My other research interest is in developing predictive methods for solving biological problems using Machine Learning techniques (e.g. ANN, SVM, HMM etc).
I am willing to offer my Bioinformatics expertise for any future research collaboration.

Profile: 33

University of Vienna, Department of Genetics in Ecology

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Org. Type (Size)	University (250+)	

Contact Person	
Title	PhD
Position	Principal Investigator
Name	**Silvia Bulgheresi**

Area of activity
• Biotechnology

Marine symbiotic nematodes as a source of antimicrobials

Stilbonematids are marine nematodes that are coated with sulfur-oxidizing bacteria. They are the only known marine metazoans capable of establishing highly specific microbial symbioses. In the course of our ongoing research project (http://genetics-ecology.univie.ac.at/bulgheresi.html), we want to identify nematode-secreted proteins that may mediate (1) the attachment of beneficial, sulfur-oxidizing bacteria (such as lectins) or (2) the killing of non-symbiotic bacteria (such as antimicrobial peptides). Nematode-secreted proteins whose structure and expression pattern are consistent with a role in bacteria-binding will be functionally analyzed. Functional analysis will be performed by expressing them recombinantly and testing them against a palette of different microbes.

Innovative aspects and main advantadges / benefits:

The study of relatively simple, naturally occurring microbial symbioses may be instrumental in discoverying new antimicrobial drugs. We are open for collaborations with Indian scientists to to either (1) identify new symbiotic nematodes thriving in Indian subtidal marine sand or (2) functionally analyze putative bacteria-binding proteins identified by Indian investigators.

*Profile: **34***

ZSI

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Org. Type (Size)	Research Organisation (51-100)	

Contact Person	
Title	Mag
Position	Researcher
Name	**Isabella Wagner** **Cosima Blasy** **Florian Gruber**

Area of activity

- Other: Science and Technology Studies

Short description of company

The Centre for Social Innovation (ZSI) is a scientific institute, founded in 1990 as a not-for profit association under Austrian law. Institutes, private companies, public and international organisations are invited to support ZSI activities aiming at research and promotion of social innovations.

All innovations are socially relevant. Alongside with the economic relevance of innovations in technology social innovations shall receive equally high attention in the public, politics and research. Acting as a social-profit organisation, ZSI conducts research on any kind of socially embedded innovation, making innovation processes apparent and pliable.ZSI is an independent institution, acting globally by deployment of innovative research, education, advisory services and co-ordination of networks, to support socially appreciated forms of innovations, develop, research and disseminate social innovations, analyse, promote and evaluate scientific collaboration, strengthen an open and solidly united society, and thereby help to implement the visionary prospect of a better world.

Profile: 35

EUROCHAMBRES

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Org. Type (Size)	Other (26-50)	

Contact Person	
Position	Senior Advisor
Name	**Micol Martinelli**

Area of activity

- Other: EUROCHAMBRES coordinates the European Business and Technology Center (EBTC) in India, an EU initiative

Short description of company

The European Business and Technology Centre (EBTC) is a reference point for promoting European clean technologies in India.

Four priority sectors are at the heart of EBTC's mission:

- Biotechnology
- Energy
- Environment
- Transport

For each of those sectors, top level research institutes have joined forces with leading business and universities in a knowledge triangle that will benefit European business, science and technology. EBTC operates as an intelligence hub and in synergy with existing service providers from EU member states and Indian counterparts.

Profile: 36

European Commission

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Contact Person	
Title	Policy Officer
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Profile: 37

European Commission

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Contact Person	
Name	**Thierry Devars**

Short description of company
European Commission/DG Research and Innovation

Profile: 38

Kirstyn Inglis

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Org. Type (Size)	NGO and CSO (1-10)	

Contact Person	
Title	Dr
Position	Scientific Director
Name	**Kirstyn Inglis**

Area of activity

- Biotechnology
- Health

Short description of company

ECRAAL - European Centre for Research in Asia, Africa and Latin America - is a non-profit membership organisation, to support engagement and education policies as well as the funding of actors and players from Asia, Africa and Latin America in EU research. ECRAAL operates as a flexible, integrated and operational Brussels based platform to boosting the active participation of non-European players in EU research and education funding opportunities.

Profile: 39

TEchnical Support for European Organisation

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Org. Type (Size)	Company (11-25)	

Contact Person	
Position	Project Manager
Name	**Katja Legisa**

Area of activity

- Other: ICT, Energy, Environement, Policy dialogue support

Short description of company

TESEO is aBrusselsbased consultancy specialised in EU funded RTD and assistance to SME's on innovation and research related matters. TESEO's experience in EU-funded projects is the added value to its clients, in the different project stages: from its conception, to the proposal negotiation and management. Active since FP4 TESEO has originated several successful projects mainly involving SME's and academia. In some cases, some of these projects were directly devoted to the stimulation of SME participation in the RTD arena. Typical support activities of TESEO are: project management and the assistance to it, support to proposal conception and writing, organisation and participation in workshops, one-to-one meetings with organisations, pre-screening of ideas, presentations and training on funding opportunities. Over the last 8 years TESEO has extended its experience beyond Europe, being increasingly involved in strategic activities in international cooperation, in particular in India and Latin America.

Technical Support for European Organisations Sprl. (TESEO)

Innovative aspects and main advantadges / benefits:

TESEO is aBrussels(Belgium) based consultancy specialised in EU-funded RTD and assistance to SMEs on innovation and research related matters. TESEO's experience in EU-funded projects is the added value to its clients, in the different project stages: from conception to proposal, drafting, negotiation and management. Active since FP4 TESEO has originated several successful projects mainly involving SMEs and academia. In some cases, these projects were directly devoted to the stimulation of SME participation in the RTD arena.

Over the last 8 years TESEO has extended its experience beyondEuropethrough increasing involvement in strategic activities in international cooperation especially in the ICT sector. In this respect, TESEO has originated and managed INCITE, the project that established the ICT NCP for India and subsequently INDIA MENTOR, which contributed significantly to raising the level of Indian participation in the ICT programme. TESEO is now the coordinator of SYNCHRONISER, which aim is to support the EU-India ICT policy dialogue. TESEO has also been involved in ICT projects forLatin Americaand in several actions focusing on the Western Balkan region.
TESEO's main benefits can be summarized as follows:

Project management (as coordinator or as an external management support body)
Preparation of Project proposals (conception, project writing, proposal negotiation)
Training (on EU funding programmes and on R&D project management)
Advice on EU funding
Actions in support of SMEs
Roadmap and foresight actions

Profile: ***40***

National HAI Reference Centre, National Centre Infection &Parasitic Diseases

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www	www.ncipd.org	
Org. Type (Size)	Governmental body (101-250)	

Contact Person	
Title	Prof
Position	Head of HAI Reference Centre,NCIPD
Name	**Rossitza Vatcheva-Dobrevska**

Area of activity

- Health

Short description of company

The National reference Centre for Healtcare Associated Infections (NRC-HAI) is a specialized unit at the NCIPD-National Centre for Infectious and Parasitic Diseases, Sofia, Bulgaria

NRC-HAIis indicated as a competent local authorized structure for the development amd implementation of the national policy concerning HAI prevention and control and reducing the spread of antimicrobial resistance (AMR). The NCIPD is a structure under auspicies of Ministry of Health,, National Competent Body for contact with European Centre for Dieases Control-ECDC, Stockholm and WHO Collaborative Centre.

The main tasks and functions of NRC-HAI are as follow:

-Elaboration of National Medical Standard and Programme on HAI Prevention and control and AMR spread

-The assessment of the annual data on HAI Surveillance at National level and represent the country in the Europeamn Network for HAI Surveillance/ECDC-ARHAI-Net

-Consult and support methodologically the conduct of epidemiological surveys at national,regional and local level

-Microbiological confirmation through reference methods of identification of epidemiologically important HAI pathogens (alert microorganisms) as well agents causing HAI outbreaks

-Manage,supervise and participate in the collection of MDR pathogens from hospitals and typing by methods of molecular biology and detection of resistance genes

-Creating of national network for molecular typing of HAI isolates and its connection to international ones,systematic folow up its distribution

-Organize a,manage and participate in the audit system of healthcare establishements on the implementation of HAI

Nat.standard
-Participate in the development ofregulations concerning the HAI control and prevention in accordance with recent advances in medical science and practice, the laws of RBulgaria and EU Legislation
-Education and training of medical specialists and nurses on HAI prevention and control (ICN and ICD Diploma)
We suggest to present your organisation in general, its history, products and services, and clients. Details about your specific research cooperation offer/demand should be inserted in the cooperation profile which follows on the next page.

Typing of MDR bacterial pathogens and resistance genes detection

Innovative aspects and main advantadges / benefits:

Typing by Methods of Molecular biology of MDR bacterial agents causing HAI and detection of resistance genes:Acinetobacter baumanii /incl.carbapenem-R;Pseudomonas aeruginosa/incl.carbapenem resistant;Enterobactreriaceae ESBL,AmpC,KPC etc;Clostridium difficile-ribotyping,toxsin gene detection,toxinotyping

Profile: ***41***

Cellthera

Address	Vinicni 235	**Czech Republic**
	61500 - Brno	
Email	jmichalek27@gmail.com	
Org. Type (Size)	SME - Small Medium Enterprise (1-10)	

Contact Person

Title	Professor
Position	CEO
Name	**Jaroslav Michalek**

Area of activity

- Biotechnology
- Health

Short description of company

Cellthera represents newly established biotechnology company focussing on cell therapy in regenerative medicine using adipose tissue-derived stem cells (ASC) and on cell immunotherapy in cancer using new generation of dendritic cells (DC) and activated lymphocytes. Prof. J. Michalek, the founder of Cellthera, has more then 10 years of academic research experience in the field of cell therapy and immunotherapy. Recently certified products and cell processing kits (for ASC and DC) are available for further clinical application and clinical research in broad spectra of regenerative medicine (critical limb ischemia, stroke, autoimmune diseases, neurodegenerative diseases, plastic surgery including breast augmentation and wound healing) as well as in immunotherapy of cancer.

Adipose tissue-derived stem cells and dendritic cells in regenerative medicine and cancer treatment

At Cellthera we developed rapid user-friendly cost-effective system for harvesting of large amounts of adipose tissue-derived stem cells (ASC) for clinical application. ASC can be used freshly isolated or further expanded in vitro before clinical application. ASC can be used in regenerative medicine for therapy of stroke, critical limb ischemia, myocardial infarction, neurodegenerative disorders, plastic surgery (breast augmentation, wound healing, etc.).

Novel generation of dendritic cells (DC) was also developed at Cellthera for therapy of cancer. DC are prepared from peripheral blood monocytes by short in vitro culture, loaded with tumor antigens and stored deeply frozen until administered to patients with cancer. DC therapy is tailored for each individual patient since it uses his/her own cells eliminating the risk of side effects. Cellthera provides a kit for DC preparation. Cellthera can also provide scientific advice in setting up clinical trials in both regenerative medicine as well as in cancer immunotherapy field.

Innovative aspects and main advantadges / benefits: 1. Rapid certified procedure leading to large amounts of autologous clinical grade ASC for regenerative medicine; 2. Novel generation of potent autologous DC for immunotherapy of cancer; 3. User friendly system for cell therapy and immunotherapy; 4. Autologous cells can be used in many medical conditions without the risk of serious side effects; 5. Cost effective approach to treat many medical conditions.

Profile: ***42***

Color association

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	70200 - Ostrava	
Phone	+420777713121	
Email	pesek@camethod.com	
www	www.camethod.com	
Org. Type (Size)	NGO and CSO (1-10)	

Contact Person	
Title	dipl. Ing.
Position	Board member
Name	**David Pešek**

Area of activity

- Health
- Other: education, sporting, personal development, human resources management

Short description of company

Our organization cultivates interactive internet diagnostic method based on color - word associations. The diagnostic method is being used routinely in individual psychosomatic diagnostics, individual and group sport training support, school climate diagnostics and other fields.
The method has been developed over 35 years and is based on extended Max Luschers color test and improved by adding word associations.
Commercionalised diagnostic modules are technologically supported by DAP-Services, a technological company running the technological infrastructure needed for the internet based diagnostics and evaluation. The modules are translated and introduced to international markets by respective international partners.

Using internet based interactive color-word association test for health problems diagnostics

We are in a search for a partner in India (and / or EU), who would like to
- adapt the diagnostics to Indian market -> translation, calibration, verification,...
- provide health diagnostics based on our internet based interactive test on the local market.

Innovative aspects and main advantadges / benefits:
Time effective
- takes 25-30 minutes to complete
- results available instantly
- already over 300.000 diagnosed individuals (together with school, HR and sports diagnostics)

Profile: ***43***

Danish Agency for Science, Technology and Innovation

Address	Bredgade 40 1415 - Copenhagen	**Denmark**
Email	fdi@fi.dk	
www	http://en.fi.dk/	
Org. Type (Size)	Governmental body (101-250)	

Contact Person	
Position	Head of Section
Name	**Frej Dichmann**

Area of activity

- Biotechnology
- Other

Short description of company

The Agency performs tasks relating to research and innovation policy and provides secretariat services to and supervises the scientific research councils which allocate funds for independent research, for strategic research and for innovation and which advise the political system.
Specificly for the Center of Globalisation
The Division is responsible for the Agency's EU affairs: EU coordination, Danish EU Presidency, preparation of meetings within the EU Competitiveness Council and the EU Framework Programme, including activities within the Danish Agency for Science Technology and Innovation's programme commissions.
The Division has corresponding responsibilities for the Agency's Nordic cooperation activities, Arctic activities and bilateral cooperation agreements with third countries such as China, India, Israel, Japan and the USA.

Profile: ***44***

University of Southern Denmark (SDU)

Address	Campusvej 55 5230 - Odense	**Denmark**
Phone		
Email	mhorder@health.sdu.dk	
www	http://sdu.dk/?sc_lang=en	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Professor, dr.med.
Position	Head of Department
Name	**Mogens Hørder**

Area of activity

- Health

Short description of company

University of Southern Denmark has more than 20,000 students and more than 3,200 employees. The university offers teaching and research at 6 campuses situated on Funen, in the south of Jutland, west of Zealand and in the capital city – in Odense, Kolding, Esbjerg, Sønderborg, Slagelse and Copenhagen. University of Southern Denmark has created an institution of higher research and education which provides first-class educational opportunities and is cooperation partner for both public and private businesses and organisations for providing qualified labour.

Profile: ***45***

Estonian Biocentre

Address	Riia23b	**Estonia**
	51010 - Tartu	
Email	gyanc@ebc.ee	
www	www.ebc.ee	
Org. Type (Size)	Research Organisation (250+)	

Contact Person

Title	Dr.
Position	Senior Researcher
Name	**Gyaneshwer Chaubey**

Area of activity

- Biotechnology
- Health
- Other: Molecular Biology research

Short description of company

The Estonian Biocentre (EBC) was established in 1986 by the decree of the government as a joint venture between Tartu University and the Institute of Chemical Physics and Biophysics to promote research and technological development (RTD) of gene and cell technologies in Estonia. The Estonian Biocentre functions as an independent public research institute reporting to the Ministry of Education. In research and graduate student training it is closely collaborating with the Institute of Molecular and Cell Biology of the University of Tartu. The main research direction of the EBC lies in the field of molecular medicine and is linked to biotechnology. Several projects are carried out within the European Commission framework joint research projects scheme, classified as "precompetitive biotechnological research" although, of course, in the present-day biomedical research there is no real borderline between the basic research and seeking for the applications of its results. The EBC is governed by a 9-member Scientific Council comprising researchers from the EBC and outside and is advised by an international Advisory Board, currently consisting of 5 members from different countries. In the year 2000 the EBC was placed 3rd to 5th in the competition among 184 research labs under the EC RTD Framework Programme 5 and received a nomination as a Centre of Excellence in research together with additional financing. The latter allowed us to prolong our ongoing pro-active repatriation scheme for Estonian biomedical researchers working in the USA and elsewhere as well as to host a number of young researchers and graduate students from different European countries. In particular this scheme was used to facilitate the creation of research and teaching capacity in bioinformatics, enlarge a scope in vector development and in genomics.

Research in the area of Human population Genetics and diseases

Intereated to discuss a deeper collaboration with personalities of Indian institutes to help them in performing a high resolution genetic analysis, and provide them the technical and fundamental skills.

Profile: ***46***

Ministry of Education and Research

Address	Munga 18 50088 - TARTU	**Estonia**
Phone	+3727350125	
Email	toivo.raim@hm.ee	
www	www.hm.ee	
Org. Type (Size)	Governmental body (101-250)	

Contact Person	
Title	Dr.
Position	Adviser
Name	**Toivo Räim**

Area of activity
• Other

*Profile: **47***

Pekka Hänninen

Address	Tykistökatu 6 20520 - Turku	**Finland**
Phone	+358 2 3337064	
Email	pekka.hanninen@utu.fi	
www	http://www.utu.fi	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Professor
Position	Professor, Vice Dean
Name	**Pekka Hänninen**

Area of activity

- Biotechnology
- Health

Short description of company

Laboratory of Biophysics, University of Turku specializes in development of new detection technologies and methods for bioanalysis. We have been successfull in developing and bringing into industrial use new methods for light microscopy, in-vitro diagnostics and lately tools that are applicable in fields of e.g. bioanalysis and environmental analysis (safety issues, toxicity, authencity)

A Simple and Low Cost Bioanalysis tool

We have developed a new simple and low-cost fingerprinting method that can be applied in various areas of bioanalysis:

1) Traditional medicine
- fingerprinting starting raw material from point of harvest to e.g. group into high/low activity materials
- monitor the processes to improve the consistency of the final product
- demonstrate the high quality of the products.

2) Water management
- monitoring of the purity and consistency of the water being supplied
- management of waste water
- checking the quality of ground water and impact from industrial contamination

3) Foodstuff applications
- ensuring the quality of processed foods (adulteration/contamination)

Innovative aspects and main advantadges / benefits:
An innovative, low-cost and simple to use method to monitor critical points of production, foodchain etc.

Profile: ***48***

Anses

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Phone	+33149773896	
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www	www.anses.fr	
Org. Type (Size)	Governmental body (250+)	

Contact Person	
Position	Head of european and international affairs unit
Name	**Rozenn Saunier**

Area of activity

- Biotechnology
- Health

Short description of company

The French Agency for Food, Environmental and Occupational Health & Safety (ANSES) conducts missions in the areas of surveillance, expert appraisal, research and reference in a wide range of fields including human health, animal health and well-being, and plant health. The Agency provides a cross-functional perspective on health issues and can identify, overall, the risks to which people are exposed through their lifestyles and consumption patterns, as well as through the characteristics of their environment, including in the workplace. Based on the principle of separation of assessment and risk management, it provides information to the competent authorities, responds to their requests for expert assessment and provides early warning should a health crisis occur. The Agency performs its missions in close cooperation with its European counterparts.

Profile: ***49***

C.N.R.S.

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Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Dr
Position	Director of Europe of Research and International Cooperation Office
Name	**Minh-HàPHAM-DELEGUE**

Area of activity

- Biotechnology
- Other: Europe of Research and International Cooperation

Short description of company

The Centre National de la Recherche Scientifique (National Center for Scientific Research) is a government-funded research organization, under the administrative authority of France's Ministry of Research.

Profile: ***50***

Centre national de la recherche scientifique

Address	3 rue michel ange	**France**
	76016 - Paris	
Email	chamira.lessigny@cnrs-dir.fr	
www	www.cnrs.fr	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Position	Program Manager
Name	**Chamira Lessigny**

Area of activity

- Biotechnology

Short description of company

The Centre National de la Recherche Scientifique (National Center for Scientific Research) is a government-funded research organization, under the administrative authority of France's Ministry of Research.
Missions
Founded in 1939 by governmental decree, CNRS has the following missions:
To evaluate and carry out all research capable of advancing knowledge and bringing social, cultural, and economic benefits for society; To contribute to the application and promotion of research results; To develop scientific information; To support research training; To participate in the analysis of the national and international scientific climate and its potential for evolution in order to develop a national policy.

CNRS research fields
As the largest fundamental research organization in Europe, CNRS carried out research in all fields of knowledge, through its seven institutes: Institute of Biological Sciences (INSB) - Institute of Chemistry (INC) - Institute of Ecology and Environment (INEE) - Institute for Information Sciences and Technologies (INS2I) - Institute for Engineering and Systems Sciences (INSIS) - Institute of Physics (INP)
and three national institutes: National Institute for Mathematical Sciences (INSMI) - National Institute of Nuclear and Particle Physics (IN2P3) - National Institute for Earth Sciences and Astronomy (INSU)

International cooperation

In charge of bilateral cooperation with Asia.
Innovative aspects and main advantadges / benefits:
Informations about ongoing projects between CNRS and India

Profile: ***51***

CNRS

Address	31, Chemin Joseph Aiguier 13402 - Marseille	**France**
Phone	+ 33 4 91 16 43 24	
Email	prof.olivier.blin@gmail.com	
Org. Type (Size)	Company (250+)	

Contact Person	
Title	Prof
Position	Coordinator AlzBioIndigo
Name	**OlivierBLIN**

Area of activity

- Health

Short description of company

The Institut Neurosciences Timone Hospital & Research Unit (CNRS-University Aix Marseille, FRANCE) is deeply involved in international collaboration.

Prof Olivier BLIN, during his one year mission in India on behalf of the French Minister of Industry, established fruitful collaboration with Indian scientists and clinicians in the field of Neurosciences, Neurology (Neurodegenerative Disorders, mainly AD and PD), as well as Psychiatry (Schizophrenia, Bipolar Disorders,...). He his coordinating with Prof Rupam Borgohain the AlzBioIndigo project.

Neurodegenerative Diseases Collaboration Alzheimer & Parkinson's Disease

Establish a well define cohort of patients with AD and PD according to the most advanced scientific methods

Innovative aspects and main advantadges / benefits:

validation of biomarkers

access to new therapeutic options

*Profile: **52***

CNRS

Address	3, rue Michel-Ange 75794 - Paris cedex 16	**France**
Phone	00331 44 96 47 14	
Email	anna.boitard@cnrs-dir.fr	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Position	European Project Manager
Name	**Anna Boitard**

Area of activity

- Other

Short description of company

The Centre National de la Recherche Scientifique (CNRS) (National Centre for Scientific Research) is a government-funded research organization under the administrative authority of French Ministry in charge of research. The missions of CNRS, defined by governmental decree, are to evaluate and carry out research capable of advancing knowledge and bringing social, cultural, and economic benefits to society; to contribute to the application and promotion of research results; to develop scientific information; to support research training and to participate in the analysis of the national and international situation of science and its perspectives for evolution in view of contributing to the development of the national research policy

As the largest fundamental research organization inEurope, CNRS is involved in all fields of knowledge. Interdisciplinary programs and actions offer a gateway into new domains of scientific investigation and enable CNRS to address the needs of society and industry. CNRS is organized in 1121 research units spread throughoutFrance. These units are either intramural or in partnership with universities, other research organizations, or industry.

CNRS encourages collaboration in national, European, and international projects and provides a strong administrative support to such projects, with dedicated staff on financial, legal, and administrative issues.

*Profile: **53***

CNRS - Centre National de la Recherche Scientifique

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Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Position	European Project Manager
Name	**Aurelie Pachkoff**

Area of activity

- Biotechnology
- Health

Short description of company

The Centre National de la Recherche Scientifique (National Center for Scientific Research) is a government-funded research organization, under the administrative authority of France's Ministry of Research.
Founded in 1939 by governmental decree, CNRS has the following missions:
To evaluate and carry out all research capable of advancing knowledge and bringing social, cultural, and economic benefits for society.
To contribute to the application and promotion of research results.
To develop scientific information.
To support research training.
To participate in the analysis of the national and international scientific climate and its potential for evolution in order to develop a national policy.

Profile: ***54***

CNRS Centre National de la Recherche Scientifique

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Email	charles.hirlimann@cnrs-dir.fr	
www	www.cnrs-dir.fr	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Dr
Position	Deputy Director-European Union Relationship
Name	**Charles Hirlimann**

Area of activity

- Other: physics / science management

Short description of company

The Centre National de la Recherche Scientifique (National Center for Scientific Research) is a government-funded research organization, under the administrative authority of France's Ministry of Research.
Founded in 1939 by governmental decree, CNRS has the following missions:
To evaluate and carry out all research capable of advancing knowledge and bringing social, cultural, and economic benefits for society.
To contribute to the application and promotion of research results.
To develop scientific information.
To support research training.
To participate in the analysis of the national and international scientific climate and its potential for evolution in order to develop a national policy.

Profile: ***55***

CNRS, Molecular and Structural Bases of Infectious Systems, UMR5086

Address	7 passage du Vercors F-69367 - Lyon	**France**
Email	n.aghajari@ibcp.fr	
Org. Type (Size)	Research Organisation (101-250)	

Contact Person	
Title	Dr
Position	Principal Investigator
Name	**Nushin Aghajari**

Area of activity

- Biotechnology
- Health

Short description of company

The Laboratory for BioCrystallography and Structural Biology of Therpeutic Targets, is part of the Institute for the Biology and Chemistry of Proteins (IBCP) which is a mixed CNRS and University Lyon 1 research centre, and which employs approximately 180 persons of which 90 are permanent staff. IBCP is a multidisciplinary research centre devoted to structure-function analysis of proteins in their biological context. It has excellent facilities for molecular biology, biochemical and biophysical characterization of protein structure and function. The laboratory has a large expertise in protein crystallography with a focus on structural enzymology and mechanisms of catalysis.

Profile: ***56***

ECOLE CENTRALE PARIS

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Phone	33 1 41 13 13 08	
Email	pierre.becker@ecp.fr	
www	www.ecp.fr	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Professor
Position	Distinguished Prof in Physics
Name	**Pierre BECKER**

Area of activity

- Biotechnology
- Other: Material Sciences and nanotechnologies in my case. Institute well known in applied maths, mechanics, fluid dynamics and aerospace,

Short description of company

Ecole Centrale Paris, created in 1789, is one of the most elective and famous engineering Institues in France, named "the university for companies" at its creation. Many famous alumni, such as Eiffel, Bleriot, Peugeot, Michelin, Bouygues... Ver diversified cursus, highly international (TIME double diploma with 32 institutes in Europe + Centrale-Beijing, double degrees with Brazil, Russia, Japan, Australia, Singapore.
Strong interaction with India (monitored by Prof Pierre Becker), with student exchange, Phds, masters, research. ECP is one of the leading partners concerning the IIT Rajasthan project.
Easy projects for students with companies, French, European or from all world (Tata for instance)

Multicultural added value of Indo-French and Indo-Eu cooperation for science, engineering.

I have been strongly involved in development of bi-cultural programs both for science and engineering with India, and I have a deep European experience concerning mobility strategy with the whole world, including India.
In my field, electronic structure of matter using XRays, neutrons..., I have a highly cited paper with aprof fron IISC, I have contributed to books edited by IISC and Christ College Bangalore. I have been chairman of an International Conf related to globalization at MG University, Kerala.
To me, cooperation between Europe and India is a strong priority. I was invited at the EU INdia Summit in dec 2010 in Brussels, and also to the Global summit on higher education in Delhi (march 2010) byMonisterSibhal
I am highly involved in France at Ministery for preparing a strategy of cooperation with India about material Science and nanotechnologies

Profile: 57

ERCIM EEIG

Address	2004 Route des Lucioles	**France**
	06902 - Biot	
Email	tom.williamson@ercim.eu	
www	www.ercim.eu	
Org. Type (Size)	Other (11-25)	

Contact Person	
Position	Project manager
Name	**Tom Williamson**

Short description of company

ERCIM - the European Research Consortium for Informatics and Mathematics - aims to foster collaborative work within the European research community and to increase co-operation with European industry. Leading research institutes from European countries are members of ERCIM.

*Profile: **58***

inno TSD

Address	Ophira 1, place Bermond, BP 63 06902 - Sophia Antipolis	**France**
Email	s.klessova@inno-group.com	
www	www.euclid-india.eu	
Org. Type (Size)	Company (26-50)	

Contact Person	
Position	Director
Name	**Svetlana Klessova**

Area of activity

- Other

Short description of company

FP7 funded project EUCLID "Strengthening of EU-India cooperation in networking monitoring and control systems technologies", www.euclid-india.eu

Profile: ***59***

INRA

Address	147 Rue de l'Universite 75018 - Paris	**France**
Phone	0033142759681	
Email	kammili@paris.inra.fr	
www	www.inra.fr	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Research Engineer
Position	Scientific Liaison Officer
Name	**Trishna Kammili**

Area of activity

- Biotechnology
- Health

Short description of company

INRA carries out mission-oriented research for high-quality and healthy foods, competitive and sustainable agriculture and a preserved and valorised environment. It addresses core development issues, from the local to the international level. Our research is guided by developments in scientific fields and focuses on worldwide challenges related to food and nutrition, the environment and land use facing the world of agriculture today. Challenges such as climate change, human nutrition, competition between food and non-food crops, the exhaustion of fossil resources and appropriate land management put agronomists in a position to generate compatible economic, social and environmental development. INRA produces fundamental knowledge that leads to innovation and know-how for society. INRA lends its expertise to public decision-making.

Research Collaborations in the field of agriculture, food and environment

I would be interested in exchanging with Indian institutes and universities working in the field of nutrition, environment and agriculture and share with them INRA's (the French National Institute for Agricultural Research, www.inra.fr) new scientific orientations and international partnerships strategy.

INRA, , will over the decade 2010-2020, develop metaprogrammes – research programmes with a broadened scope of study which combine several disciplines as such an integrated approach is essential to making progress on global food, agricultural and environmental issues.

The current challenges facing agricultural research, such as finding efficient ways of feeding the world, the sustainable management of plant and animal health, and adapting to climate change, call for extensive efforts and a cross-disciplinary approach which addresses all aspects of these complex issues.

Six metaprogrammes have been identified so far to promote integrated, cross-disciplinary approaches in research. Each programme is assisted by an international committee which provides guidance and advice. A very special focus will be placed on international and partnership oriented aspects.

OUr aim is to strengthen existing partnerships and to identify new partners in line with this new strategy.

Six metaprogrammes

Integrated management of plant health

Adaptation of agriculture and forests to climate change

Metagenomics of microbial ecosystems

In the exploration stage:

Determinants and effects of dietary habits

Genomic selection (wheat, cattle and poplar)

Integrated management of animal health

Innovative aspects and main advantadges / benefits:

Profile: ***60***

Ministère de l'enseignement supérieur et de la recherche

Address	110 rue de Grenelle	**France**
	75007 - PARIS	
Email	dominique.chatton@education.gouv.fr	
www	http://www.recherche.gouv.fr/	
Org. Type (Size)	Governmental body (250+)	

Contact Person	
Position	Programme Manager
Name	**CHATTON Dominique Paul**

Area of activity

- Other

Short description of company

MESR, member of New Indigo, participates to the first call of projects with DBT.

Profile: ***61***

Telecom SudParis

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www	http://www-public.it-sudparis.eu/~mbecker/	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Professor
Position	deputy Director of the CNRS Unit
Name	**Monique Becker**

Area of activity

- Telecommunications

Short description of company

Telecom SudParis belongs to Institut Telecom and Monique Becker is in charge of the collaborations with India

Telecom Networks Design and Performance Evaluation

Profile: ***62***

UMR 5174 CNRS & Univ Paul Sabatier (Toulouse 3)

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Email	thebaud@cict.fr	
www	http://www.edb.ups-tlse.fr/	
Org. Type (Size)	University (51-100)	

Contact Person	
Title	Dr
Position	Professor
Name	**Christophe Thébaud**

Area of activity

- Other: Biodiversity, Forestry, Wildlife management, Epidemiology

Short description of company

The Research Unit 5174, Evolution et Diversité Biologique (EDB) (CNRS, Université Toulouse 3, Ecole Nationale de Formation en Agronomie) was created in 2003. The lab was awarded the highest grade by AERES: A+ in all five marks of the AERES evaluation. The EDB laboratory is located on the Université Toulouse 3 campus (Rangueil). It is part of University-Toulouse-3's Faculty of Sciences, which comprises several major institutes and centres affiliated to CNRS, INRA, and INSERM and forms one of the main training centres for biological and ecological sciences in France.

EDB studies how ecology and evolution explain observed patterns of biodiversity taking a multidisciplinary approaches on various models (micro and macro-organisms), at multiple organization and integration levels (genomes to communities). Focal objectives are: 1- evaluate and characterize biodiversity at all levels; 2- understand mechanisms of biodiversity changes; 3- evaluate the role of natural selection in population and species differentiation; while 4- placing inter-organism interactions at the centre of our approaches. EDB has active molecular, behavioural and population genetics groups that describe biodiversity patterns quantitatively, explain ecological and evolutionary mechanisms of biological diversity, and predict the consequences of global change on future biodiversity dynamics using a combination of field, laboratory and theoretical studies. We (i) inventory the biodiversity of clades, populations and individuals in biodiversity hotspots (French Guiana, Indian Ocean Islands and the Mediterranean); (ii) perform empirical and experimental studies on adaptive radiations and the role of the environment on species assemblages; (iii) use phylogeographic studies to interpret population history; (iv) study the impact of behaviour as a major mechanism of adaptation and inheritance. We are also actively involved in bridging disciplines (theoretical evolutionary ecology, molecular and cell biology, population genetics, bioinformatics) through the development of

integrative projects to understand ecological and evolutionary diversification in mutualistic systems (host-parasite sensu lato). EDB has active collaborations in Europe and the USA. It participates to European and ANR projects, and has set up agreements for research and training with Universities in Madagascar, Brazil, Réunion, Indonesia, Cambodia, China, Canada and the US.

Biodiversity and Environment

Our lab aims to understand how ecological and evolutionary processes combine to determine changes in biodiversity through space and time. Outstanding questions we seek to answer are: Why do some geographical regions contain many more species than others? Why do some lineages of organisms contain more species than others? How do species originate in regions rich in species? Are cryptic species, i.e. species that impossible to distinguish morphologically, more common than currently thought? How does such cryptic or 'hidden' biodiversity affect conservation public health priorities? This research framework provides us with the opportunities to ask important and challenging scientific questions while addressing major environmental issues such as the effects of global change on living organisms and the conservation or management of natural resources at a time when biodiversity is lost at an unprecedented rate.

Profile: ***63***

Université de La Rochelle

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Contact Person	
Title	Prof Dr
Position	University Professor
Name	**Brahim ELOUADI**

Area of activity

- Biotechnology
- Other: Materials

Profile: ***64***

Université de Nice-Sophia Antipolis

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Contact Person	
Name	**DanielOstrowsky**

Area of activity

- Biotechnology
- Health
- Other: Optoelectronics, photonics

Profile: ***65***

University Lyon 1

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Org. Type (Size)	University (250+)	

Contact Person	
Title	Prof
Position	Dean
Name	**Jerome ETIENNE**

Area of activity

- Health
- Our laboratory is also the French National Reference Centre for Legionella infections.

Short description of company

Our laboratory is at the University Lyon 1 (Faculty of Medicine Lyon-Est and Hospital Est) The French National Reference Centre for Staphylococci is also located in this laboratory. We received per year around 2000 strains of stphylococci for characterization by different tools. This allows us to provide data on the epidemiology of the different staphylococcus clones that are spreading mainly in France, but also in other parts of the world.

Profile: ***66***

University of LYON

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www	www.univ-lyon1.fr	
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Contact Person	
Title	Dr
Position	Assistant Professor
Name	**VIOLOT SEBASTIEN**

Area of activity

- Biotechnology
- Health

Short description of company

The Laboratory for BioCrystallography and Structural Biology of Therpeutic Targets, is part of the Institute for the Biology and Chemistry of Proteins (IBCP) which is a mixed CNRS and University Lyon 1 research centre, and which employs approximately 180 persons of which 90 are permanent staff. IBCP is a multidisciplinary research centre devoted to structure-function analysis of proteins in their biological context. It has excellent facilities for molecular biology, biochemical and biophysical characterization of protein structure and function. The laboratory has a large expertise in protein crystallography with a focus on structural enzymology and mechanisms of catalysis.

*Profile: **67***

EMBO

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Org. Type (Size)	Other (26-50)	

Contact Person	
Name	**Gerlind Wallon**

Area of activity

- Other: EMBO funds fellowships, courses and workshops throughout Europe. We are also active in the area of Science Policy.

Short description of company

EMBO stands for excellence in the life sciences. We enable the best science by supporting talented researchers, stimulating scientific exchange and advancing policies for a world-class European research environment.
EMBO is an organization of 1500 leading life scientist members that fosters new generations of researchers to produce world-class scientific results. EMBO helps young scientists to advance their research, promote their international reputations and ensure their mobility. Courses, workshops, conferences and scientific journals disseminate the latest research and offer training in cutting-edge techniques to maintain high standards of excellence in research practice. EMBO helps to shape science and research policy by seeking input and feedback from our community and by following closely the trends in science in Europe.

Profile: ***68***

Fraunhofer IST

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Org. Type (Size)	Research Organisation (101-250)	

Contact Person	
Name	**Holger Gerdes**

Area of activity

- Biotechnology
- Health

Short description of company

As an industry oriented R&D service center, the Fraunhofer Institute for Surface Engineering and Thin Films (IST) is pooling competencies in the areas film deposition, coating application, film characterization, and surface analysis. A large number of scientists, engineers, and technicians are busily working to provide various types of surfaces with new or improved functions and, as a result, help create innovative marketable products.ge.

Fraunhofer IST

The institute is presently working in the following business fields:
Tools;Mechanical and Automotive Engineering ; Energy, Glass and Facade;Optics, Information and Communication ; Life Science and Ecology .In all business fields, in addition to advice, training and market analysis we offer these technological services: Surface pre-treatment ; Thin film development; Process technology (including process diagnostics, modeling and control); Surface analysis and thin film characterization; Application oriented film design and modeling; System design ; Technology transfer.
The institute uses its competenciesin the following areas: Low pressure processes; Electrical and optical coatings ; Super-hard coatings; Coatings on plastics; Atmospheric pressure processes; Micro and nano technology; Friction reduction and wear protection; Corrosion protection; Analysis and testing.

Profile: ***69***

Fraunhofer MOEZ

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Org. Type (Size)	Research Organisation (26-50)	

Contact Person	
Position	Head of International Management
Name	**Rajesh Shankar Priya**

Area of activity

- Other: International Management , EU-India relations

Short description of company

Fraunhofer is Europe's largest application-oriented research organization. Our research efforts are geared entirely to people's needs: health, security, communication, energy and the environment. As a result, the work undertaken by our researchers and developers has a significant impact on people's lives. We are creative. We shape technology. We design products. We improve methods and techniques. We open up new vistas. In short, we forge the future.

International Management

Facilitation of EU-Indian relations in the scope of inter-cultural cooperation

*Profile: **70***

International Bureau of BMBF

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Email	martin.goller@dlr.de	
www	www.internationales-buero.de	
Org. Type (Size)	Governmental body (250+)	

Contact Person	
Title	Dr.
Position	Senior Scientific Officer
Name	**Martin Goller**

Area of activity

- Biotechnology
- Health
- Other

Short description of company

The International Bureau has been commissioned by the German Federal Ministry of Education and Research (BMBF) to strengthen the international ties of German universities, research institutes and enterprises with the ultimate goal of building competencies and fostering competitive advantages for industry and the research community in Germany in the areas of research and innovation. In doing so, the International Bureau is making an important contribution to cultivating an international dimension within the research programmes of the BMBF.

*Profile: **71***

Leibniz Institute for New Materials,CVD/Biosurfaces Department

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www	www.inm-gmbh.de	
Org. Type (Size)	Research Organisation (101-250)	

Contact Person	
Title	Dr
Position	Head, CVD/Biosurfaces Department
Name	**Cenk Aktas**

Area of activity

- Biotechnology
- Health
- Other

Short description of company

Leibniz INM
CVD / Biosurfaces
CVD/Biosurfaces Department is interested in the synthesis of nanomaterials with an emphasis on developing new bottom-up synthetic approaches and understanding novel properties of such nanomaterials.
Our research focused on the development of new molecular precursors and deposition of these precursors through well established methods including CVD and PVD. Furthermore sol-gel and laser assisted materials processing methods are combined with gas phase deposition approaches to fabricate functional surfaces.
As one can predict from the name of the department, we carry out also an intensive research to understand the interface between nanomaterials and biological systems Especially in the field of implant and biomaterial applications, we collaborate with different bio- and medical institutions to explore the interactions of various cell types with nano/micro structured surfaces. The main aim of this research is to improve the biocompatibility of implant materials.
Main research fields are:
One-dimensional (1D) nanostructures
Nanostructured coatings by plasma CVD
Micro/Nanostructured surfaces to study cell interactions
Nanoparticles for biological and medical applications
Microbicidal coatings

Nanostructured Materials for Biomedical Applications

Nanomaterials, Nanotechnology, Biomaterials, Surface-Cell Intercations,Implants, Biomedical Coatings

Profile: 72

PT-J

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Contact Person	
Position	Dr.
Name	**Martin Barth**

Area of activity

- Biotechnology
- Health

Saarland University, Paediatric Cardiology Department

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Org. Type (Size)	University (1-10)	

Contact Person

Name	**KarinLöw**

Area of activity

- Biotechnology
- Health
- Other

Short description of company

Paediatric Cardiology Department (PCD), is specialized on diagnostic and treatment of congenital heart disease in children and adults. All type of invasive and non-invasive cardiovascular diagnostic methods are performed in the clinic at high standard. One of our key aspects of clinical activity is the interventional treatment of congenital heart disease. In addition, the clinic of pediatric cardiology is participating in all research projects of competent network of excellence for congenital heart disease. Prof. H. Abdul-Khaliq is the speaker of the network of excellence, which is supported by the BMBF and he is coordinator of two main research projects within this network of excellence. The main research aspects are concentrated on development and testing of new imaging modalities, evaluation of pathomechanisms of organ injury, particularly in the brain and myocardium and the development of new biocompatible intravascular devices.

*Profile: **74***

University of Luebeck

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Org. Type (Size)	University (26-50)	

Contact Person	
Title	Dipl. Pharm.
Position	PhD student
Name	**Miriam Fast**

Area of activity

- Biotechnology

Short description of company

The Institute of Biochemistry, University of Luebeck, performs research on the molecular basis of infection by RNA viruses, intracellular bacteria (Legionellae and Chlamydiae), and the malaria parasite, Plasmodium falciparum. A major activity is devoted to enzymes involved in the replication of RNA viruses, with a focus on coronaviruses and enteroviruses. Crystal structures are determined for the most important virulence proteins of these pathogens. The three-dimensional structures of the targets are then used to design new anti-infective compounds, which are synthesized in the institute. Technologies used for inhibitor design include virtual screening and de-novo design. Fragment screening by Saturation Transfer Difference NMR and X-ray crystallography is a recent addition. Several antiviral compounds designed this way are in animal experiments at this time. Part of this work has been funded within the VIZIER and SEPSDA projects of the European Commission.

Profile: 75

FORTH Help-Forward

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Contact Person	
Title	Mr
Position	Deputy Head of International Cooperation Unit
Name	**ConstantineVaitsas**

Area of activity

- INTERNATIONAL COOPERATION

Short description of company

The International Cooperation Unit
Taking advantage of its international activities that were focused initially in the Central Asia and in the Caucasus areas, HELP-FORWARD created a distinct unit in 2007 with the aim to utilize the build experience and further expand its international activities. Since its creation, the unit has expanded significantly in terms of turnover, staff involved, and number of projects, as well as in terms of geographical coverage.
Specifically the annual turnover of the International Cooperation Unit has increased from 80K€ in 2003 to 250K€ in 2008 and to approximately 800K€ in 2010. At the same time full time staff equivalent has increased from 0,5 in 2003 to 6 in 2010.

The International Cooperation Unit hosts the Greek INCO NCP for FP7 and FP6 since 2002. In FP7 the unit coordinates the official project of the 100 INCO NCPs around the world, and in cooperation with the European Commission the unit is organizing training activities, and provides tools for the overall development of the INCO NCPs.

The International Cooperation Unit has developed strong experience in managing innovation related projects in third countries around the world. Activities and services provided include twinning and staff exchange schemes, as well as personnel training in innovation related topics such as the EU Framework Programs, Technology Transfer, and Spin-Off creation. Due to its large involvement with proposal preparation, submission, and management the International Cooperation Unit offers training in innovation services/activities which include events organisation, partner search,

proposal drafting, help-desk operation and support etc. In addition International Cooperation Unit undertakes projects which are aimed at the organisational set-up of liaison offices and the set-up of structures for the provision of NCP services.

Track record (flagship projects and contracts)
Advisor for the establishment of Innovation and Research Programmes Promotion Centres in Bulgaria (1997-2000), Romania (1997-1999) and Cyprus (1999-2000).
Evaluation and re-engineering of the Research Promotion Foundation in Cyprus (2005).
Support and twinning with the FP National Information Points in Armenia, Georgia and Azerbaijan under the INTAS ININ schemes (2003-2006).
Framework Program training seminars in Russia, Georgia, Armenia, Azerbaijan, Ukraine, Mexico, South Africa.
Currently providing support services to the NCPs in Ukraine, Belarus, Moldova, Armenia, Azerbaijan, Georgia.
Continuous cooperation is established with the Chinese NCP organisation.
Help-Forward is the coordinator of the official project (INCONTACT) of all FP7 NCPs for International Cooperation (INCO) aiming to enhance research collaboration between the EU and the rest of the world.

Profile: 76

HELLENIC VETERINARY MEDICAL SOCIETY (HVMS)

Address	159, Patission Street 112 57 - Athens	**Greece**
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Email	sakistyr@otenet.gr	
www	www.hvms.gr	
Org. Type (Size)	NGO and CSO (11-25)	

Contact Person	
Title	Dr
Position	Special Secretary
Name	**ATHANASSIOS TYRPENOU**

Area of activity

- Biotechnology
- Health
- Other

Short description of company

The HellenicVeterinary Medical Society (HVMS) is the oldest Scientific Societyin Greece founded in 1924 and since 1926 publishes the Journal of the Hellenic Veterinary Medical Society (JHVMS). Also,it publishes other scientific issues and organizes congresses, symposiums,meetings, lectures and has undertaken for life the Continuing Education of the Greek veterinarians.

The HVMS is governed by a 9 member Governing Board which is elected every 3years and has 3 branches:

Veterinary Branch of Companion Animal PracticeBranch of Veterinary Public HealthVeterinary Branch of Farm Animal Practice

The HVMS collaborates with the Supreme Educational Foundations, theTechnological Educational Institutes, the Veterinary Services, and theVeterinary Associations as well as with Scientific Societies and the Greek andForeign Chambers.

Also, it has a total of 926 members many of which have beendistinguished in the scientific field (University Professors, Researchers), inthe Public Administration, in the Army as well as in the ProfessionalVeterinary Societies and Chambers, in Greece and abroad. The HVMS is member of the:

World Veterinary Association (WVA)

World Small Animal Veterinary Association (WSAVA)

Federation of European Companion Animal VeterinaryAssociation (FECAVA)

Balkan and the Black Sea Veterinary Association (BaBSeVA)
HVMS: In this effort, the Hellenic Veterinary Medical Society (HVMS) is playing an importantrole by fully supporting the aims of the Organization and by contributing thesystematic efforts for the establishment of networks in order to participate inresearch and educational programs, funded by the European Union or otherInternational Organizations. We strongly believe that BaBSeVA can play animportant role in the promotion of the veterinary science and veterinaryprofession. We also believe that the efforts of the Organization will flourishin the near future creating professional and scientific opportunities for theveterinarians living in this part of the world.
The HVMS is represented by the members of Governing Board to the following:
WVA-World Veterinary Association
WSAVA-World Small Animal Veterinary Association
FECAVA-Federation of the European Companion Animal VeterinaryAssociation
EFFoST-European Federation of Food Science and Technology
BaBSeVA-Balkan and Black Sea Veterinary Association
WSVA-World Sheep Veterinary Association
ELOT-Hellenic Organization for Stabdardization
EZE-Hellenic Zootechnic Association
IAVE-International Association of Veterinary Editors
A.E.Tyrpenou

Food hygene and safety

Food hygiene and safety especially on fisheries. Depletion studies of pharmaceuticals used in fish farming, pharmacokinetics, residues determinarion by chromatography, quality of the final product, withdrawal period determination and half-life, analytical method development, method validation, laboratory organization and accreditation,consultancy etc.

Profile: 77

Dr Agnes Czimbalmos

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Org. Type (Size)	Company (1-10)	

Contact Person	
Title	Dr
Position	managing director
Name	**Agnes Czimbalmos**

Area of activity

- Health

Short description of company

Hungaroprax NC Ltd is an SME which provides health care service and active in the field of quality of life and patient reported outcomes research. Its employees also have experience in project/programme evaluation at international level.

Profile: 78

Europa Media

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Org. Type (Size)	SME - Small Medium Enterprise (11-25)	

Contact Person

Name **ÖmerCeylan**

Area of activity

- Other

Short description of company

Europa Media Non-Profit Limited is an independent, non-profit organisation based in Budapest, Hungary. The organisation's mission is to provide the public with clear, structured and concise information regarding the complex structure of the European Union and the available funding opportunities it offers. Since its establishment in 2003, Europa Media has been working to provide and present dispersed and highly technical information regarding EU policies, funding opportunities and programmes in a streamlined and simplified manner to potential stakeholders in Europe and worldwide. To this end, Europa Media has developed, launched and publicised a variety of information sources and tools including web platforms, publications and events. Europa Media is actively engaged in supporting cooperation with India through various initiatives such as EUINEC and INDIA GATE projects, and as co-organiser of the the EU-India S&T Coop Days.

Europa Media Non-Profit Limited is an independent, non-profit organisation based in Budapest, Hungary. The organisation's mission is to provide the public with clear, structured and concise information regarding the complex structure of the European Union and the available funding opportunities it offers. Since its establishment in 2003, Europa Media has been working to provide and present dispersed and highly technical information regarding EU policies, funding opportunities and programmes in a streamlined and simplified manner to potential stakeholders in Europe and worldwide. To this end, Europa Media has developed, launched and publicised a variety of information sources and tools including web platforms, publications and events. Europa Media is actively engaged in supporting cooperation with India through various initiatives such as EUINEC and INDIA GATE projects, and as co- organiser of the the EU - India S&T Coop Days.

*Profile: **79***

Europa Media Non Profit Ltd.

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Org. Type (Size)	SME - Small Medium Enterprise (11-25)	

Contact Person	
Title	M Sc.
Position	Managing Director
Name	**Gabor Kitley**

Area of activity

- Other: International cooperation in science and technology

Short description of company

Europa Media Non-Profit Limited is an independent, non-profit organisation based in Budapest, Hungary. The organisation's mission is to provide the public with clear, structured and concise information regarding the complex structure of the European Union and the available funding opportunities it offers. Since its establishment in 2003, Europa Media has been working to provide and present dispersed and highly technical information regarding EU policies, funding opportunities and programmes in a streamlined and simplified manner to potential stakeholders in Europe and worldwide. To this end, Europa Media has developed, launched and publicised a variety of information sources and tools including web platforms, publications and events. Europa Media is actively engaged in supporting cooperation with India through various initiatives such as EUINEC and INDIA GATE projects, and as co- organiser of the the EU - India S&T Coop Days.

Profile: ***80***

Europa Media Non Profit Ltd.

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Org. Type (Size)	SME - Small Medium Enterprise (11-25)	

Contact Person	
Title	M Sc.
Position	Assistant Managing Director
Name	**Gabriella Lovasz**

Area of activity

- Other

Short description of company

Europa Media Non-Profit Limited is an independent, non-profit organisation based in Budapest, Hungary. The organisation's mission is to provide the public with clear, structured and concise information regarding the complex structure of the European Union and the available funding opportunities it offers. Since its establishment in 2003, Europa Media has been working to provide and present dispersed and highly technical information regarding EU policies, funding opportunities and programmes in a streamlined and simplified manner to potential stakeholders in Europe and worldwide. To this end, Europa Media has developed, launched and publicised a variety of information sources and tools including web platforms, publications and events.
Europa Media is actively engaged in supporting cooperation with India through various initiatives such as EUINEC and INDIA GATE projects, and as co- organiser of the the EU India S&T Coop Days.

Profile: ***81***

Europa Media Non Profit Ltd.

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Org. Type (Size)	SME - Small Medium Enterprise (11-25)	

Contact Person	
Title	M Sc.
Position	Project Manager
Name	**Bodil Palmberg**

Area of activity

- Other

Short description of company

Europa Media Non-Profit Limited is an independent, non-profit organisation based in Budapest, Hungary. The organisation's mission is to provide the public with clear, structured and concise information regarding the complex structure of the European Union and the available funding opportunities it offers. Since its establishment in 2003, Europa Media has been working to provide and present dispersed and highly technical information regarding EU policies, funding opportunities and programmes in a streamlined and simplified manner to potential stakeholders in Europe and worldwide. To this end, Europa Media has developed, launched and publicised a variety of information sources and tools including web platforms, publications and events. Europa Media is actively engaged in supporting cooperation with India through various initiatives such as EUINEC and INDIA GATE projects, and as co- organiser of the the EU India S&T Coop Days.

Profile: ***82***

Advanced Center for Treatment, Research and Education in Cancer

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www	actrec.gov.in	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Assistant Professor
Position	Scientific Officer and Principal Investigator
Name	**Murali Krishna Chilakapati**

Area of activity

- Biotechnology
- Health : Biomedical Applications of Raman and FTIR spectroscopy. Cancer applications of spectroscopy

Short description of company

The Advanced Centre for Treatment, Research and Education in Cancer (ACTREC) is the new state-of-the-art R&D satellite of the Tata Memorial Centre (TMC), which also includes under its umbrella the Tata Memorial Hospital (TMH), the largest cancer hospital in Asia. ACTREC has the mandate to function as a national centre for treatment, research and education in cancer. TMC is an autonomous grant-in-aid institution of the Department of Atomic Energy (DAE), Government of India. ACTREC comprises of 2 arms - one for basic research and another for clinical research.The basic research building was inaugurated in March 2002 at the new site of ACTREC in Kharghar, Navi Mumbai. In August 2002, the Cancer Research Institute (CRI) shifted in toto from its Parel campus in Mumbai to serve as the basic research arm of ACTREC. The clinical research arm of ACTREC comprising of the Clinical Research Centre (CRC) has become functional from March 2005. ACTREC also has a 50-bed hospital fully equipped with state-of-the-art diagnostic and therapeutic facilities. Research investigations at CRI currently focus on molecular mechanisms responsible for causation of major human cancers relevant to India. It is envisaged that in the future, ACTREC will play a greater role in drug development and emerging therapies for treatment and prevention of cancer.

In vivo and microRaman spectroscopy applications in cancers

Raman spectroscopic studies

Cancer is a serious health problem in both developing as well as developed countries. The confirmative diagnosis of cancer is established by the histopathological evaluation. The focus of diagnostic pathology is to label the

morphological and molecular changes in samples. Though histopathology is the 'gold standard' of diagnosis, it is shown to subjective, time consuming and fails to provide prognostic information on precancerous condition which can transform to malignant. Further, surveillance and biopsy of precancers is a mammoth task especially in countries likeIndia. Optical spectroscopic techniques are intrinsically nondestructive and provide opportunities for the development of tools for guiding diagnostic and therapeutic oncological procedures. And these techniques are shown to be highly sensitive to changes in the structure and molecular composition of pathologically altered tissues. Among them Raman spectroscopy, facilitates the possibility of in vivo measurements by optical fibers for diagnostic and monitoring of therapeutic purposes.

We have carried out extensive Raman spectroscopic investigations using ex vivo oral, cervical, breast, stomach, colon and ovarian cancers tissues. Our studies have demonstrated the feasibility of classifying normal, premalignant, inflammatory and malignant conditions. We have verified these spectroscopic models over large data and as well as by single blinded samples. Our statistical approach of diagnosis, 'limit test', besides being unambiguous and objective, is more users-friendly and practical in clinical conditions. We have also explored the feasibility Raman spectroscopic monitoring of therapy and prediction of tumor response to radiotherapy. Presently our focus is to extend and adapt our approaches to in vivo/in situ conditions in order to develop less invasive Raman methods for screening and diagnosis.

Raman Microscopic studies

We have carried out Raman microspectroscopic studies of tissues and cells, in oral, cervix and thyroid cancer tissue samples, drug – resistant and drug sensitive cell lines, and cancer cell lines like HL60 (leukemia), MCF7 (breast cancer) and Mes-sa (uterine cancer). Our studies have shown that Raman microspectroscopy can be exploited to investigate cell systems and tissue sections in a specific region of interest. For example, Raman studies were carried out on epithelial and subepithelial regions of oral tissue. The results clearly established the applicability of microRaman spectra to formalin – fixed biopsy tissue samples for discrimination between normal and malignant case. It is then very clear that even samples, fixed in formalin, from smaller clinics/hospitals can be examined at a central Raman facility. This is further confirmed by studies of epithelial sections of formalin fixed cervix tissues. In the same study we have also demonstrated the feasibility of classifying tissues that are collected before and after radiation treatment. We have investigated discrimination of phenotype and cell type using Raman microspectroscopy. We had investigated classification of cell type of HL60 leukemia cell line, MCF7 breast cancer cell line and Mes-sa uterine cancer cell line. Multidrug resistant phenotypes of HL60 cell lines, HL60DOX, HL60 DNR; MCF7 cell line MCF RVP; and Mes-sa cell line Garf were employed to explore phenotype discrimination by Raman spectroscopy. We have also demonstrated the feasibility to classify cell type in a mixed population using HL60+MCF7 and MCF7+Mes-sa cell lines. We would like adapt these methods for clinical applications like non invasive screening or diagnosis using cell smears. Also understand biochemical process using Raman microspectroscopy.

FTIR Microscopic studies

FTIR, other vibrational spectroscopy technique, is complementary to Raman. FTIR is shown to be more sensitive and good tool for imaging applications. Owing to high water absorption, in vivo applications of this methodology is limited. Nonetheless, a combined approach of Raman and FTIR microscopies can provide wealth of information. We have exploited these complementary methods in understanding drug resistance in (MDR) cellular systems as well as microsections of thyroid, ovarian, cervix and oral ex vivo tissues. We have also employed synchrotron-FTIR spectroscopy for high resolution mapping of above sections.

Profile: ***83***

All India Institute of Medical Sciences, Institute Rotary Cancer Hospital

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www	www.aiims.ac.in or www.aiims.edu	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Prof
Position	Head of Medical Oncology
Name	**Vinod Raina**

Area of activity

- Biotechnology
- Health

Short description of company

AIIMS is a University hospital located in Delhi, it has 2200 beds and a cancer center with 200 beds. We see 8000 new cases of cancer every year and 100 new cases of CML. It is a large teachign hospital with 500 faculty and 200 residents.

New Indigo NPP, on CML standardisation

It is and India EU cooperative (INDIGO) project on standardisation of quantative pcr of BCR_ABL in CML, three centers from India will be participating. Teh host center od Prof. Andrew Hochhaus from Jena Germany.

Profile: ***84***

Annamalai University

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Email	drkvp@sify.com	
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Org. Type (Size)	University (26-50)	

Contact Person	
Title	Professor
Position	Pro.and Head
Name	**Pugalendi Viswanathan**

Area of activity

- Biotechnology
- Health

Nutrition and Natural Products in Diabetes and Cardiovascular Diseases

Investigation of of various edible oils and phytochemicals and herbal products on diabetes and heart disease. I have investigated the effect of edible oils such as sesame,sunflower, groundnut oil and palm oil on hypertension and diabetic hypertension. Sesame oil reduces blood pressure as well as sugar level. It reduces the drug dosage in patients with hypertension. Sun flower oil has no influence while groundnut oil and palm oil elevates hypertension.

Isolated a antidiabetic compound from Casearea esculenta a tribal medicine for diabetes and patented.

I have studied the hepato protective effect of ursolic acid and compared with number oc compuonds and found ursolic acid is having better effect.

Carvacrol is a good liver protective agent and comparabele with silymarin which is not a single compound.

I have worked several herbal extracts also. Melothria maderaspatana a plant extract also had a very good BP lowering effect in human which we used in animal model and identified some compounds. Another plant extract Spermacoce hispida is having antihyperlipidemic effect.

Innovative aspects and main advantadges / benefits:

Study the effect of various other edible oils in combination with sesame oil to control hypertension so that we reduce the drug dosage and control with edible oil. Hypertension at early stage can be easily controlled and prevent the drug intake.

Ursolic acid and carvacrol are good compounds which could be used as an adjunct compounds with drugs. For example, in our work combination of ursolic acid with rosiglitazone alleviated the toxic effect of rosiglitazone in mice.

Biochanin A and betulin are other compounds which are having antidiabetic effect without side effect could be tried as a drug.

Profile: ***85***

Banaras Hindu University

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	221005 - Varanasi	
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www	www.bhu.ac.in	
Org. Type (Size)	University (11-25)	

Contact Person

Title	Science
Position	Ph.D.
Name	**Snigdha Mohan**

Area of activity

- Other

Short description of company

Banaras Hindu University ranks among the first few in the country in the field of academic and research output. This university has two campuses, 3 institutes, 16 faculties, 140 departments, 4 advanced centers and 4 interdisciplinary schools. The University is making its mark at the national and international levels in a number of frontier areas of Science, Social Science, Technology, Medicine and Agriculture etc.A university can grow successfully only when research and teaching mesh together seamlessly - one without the other is incomplete. Therefore we have ensured the development of a collaborative environment conducive to learning, exposure to the best international practices and promotion of innovation and creativity.BHU today has nearly twenty thousand students including 2500 research scholars and 650 foreign students from 34 nations, under one roof who are pursuing different academic programmes at this campus as well as the newly established Rajiv Gandhi South Campus. These are some of the brightest young minds in the country and abroad, who have joined this University after clearing a rigorous All India Entrance Test.We realize that the rapid pace of development in the country has raised the awareness as well as expectations of the people. Institutions of higher learning are instrumental in providing equality of opportunities, which is the essence of participatory democracy. This will not only remove a sense of alienation and neglect in the backward regions but also prevent out migration from these areas. BHU has established the Rajiv Gandhi South Campus at Barkachha about 75 Kms southwest of Varanasi on 2760 acres of land. The first academic session commenced from 2006-07 with six programmes which has increased to more than 25 in the present session. This campus is emerging as a potential hub to impart education, training and entrepreneurship development skills, to the youth, women and marginalized sections of society in the backward region of Mirzapur and adjoining districts of Uttar Pradesh, Western Bihar and Northern Madhya Pradesh. The Campus is heading well as per your vision for education to generate new breed of human resource who would be job creators and not job seekers.

Profile: ***86***

Bharathidasan University

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www	www.bdu.ac.in	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Teaching & Research
Position	Assistant Professor
Name	**Dr.Govindaraju Munisamy Munisamy**

Area of activity

- Biotechnology
- Other: Environmantal Biotechnology - Remidation / RS& GIS applications / Climate Change studies

Short description of company

Bharathidasan university established 1982, Tiruchirappalli, Tamil Nadu State, India. Department of Environmantal Biotechnol,ogy started 2002 offering P.G Degree Enviornmantal Biotechnoogy, M.Phil., and Ph.D. Students and research scholars are our clients. It serving rural peoples in the country.
As ecologist I am working here since 2005 as Assistant Professor teaching P.G and M.Phil students and guiding Doctoarl reaearcher in the field of Environmantal Biotechnology and Remote Sensing and GIS Applications on Remidation works / Climate change mitigations and ecosystem studies.

Periyar university, salem

Bharathidasan university setablished 1982, Dept .of Environmantal Biotechnology started 2002. Further detailes refer web: www.bdu.ac.in

Innovative aspects and main advantadges / benefits: I am developing new technoques on ecological restoration of resoruces depletion process using integrated approach of Biotechnology and Spatial technologies for sustainable future and mitigation for climate change issues.

Profile: 87

BIRLA INSTITUTE OF TECHNOLOGY

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Org. Type (Size)	University (250+)	

Contact Person	
Title	DR.
Position	PROFESSOR & HEAD
Name	**BARIJ NAYAN SINHA**

Area of activity

- Health

Short description of company

Birla Institute of Technology, Mesra, Ranchi, India is a Deemed University having more than 21 Departments of Technology, Applied Sciences and Management.I am Professor in Pharmaceutical Chemistry and Head of the Department of Pharmaceutical Sciences. Our Department conducts B.Pharm., M.Pharm. and PhD programme in Pharmacy and has collaboration with national and international universities of repute.

Antitubercular Drug Development Focused area: Transition state analogues as inhibitor of mycobacterial phenyloxazoline synthetase

Antitubercular Drug Development

Focused area: Transition state analogues as inhibitor of mycobacterial phenyloxazoline synthetase

Conditionally essentially targets are the focus of today's Antitubercular Drug Design [1]. Successful proof-of concept has been established with analogues of mycobactin (a mycobacterial siderophore) by our group [2]. Mycobactin is a mycobacterial siderophore (hexadentate ferric specific ligand) that is secreted when the pathogen is under iron deprived environment (host) [3-5]. We are in the process of design and synthesis of transition state analogues of mycobacterial phenyloxazoline synthetase as antitubercular agents. Phenyloxazoline synthetase is a Non-ribosomal peptide synthetase (NRPS) that condenses/cyclizes salicylate with serine or threonine to hydroxylphenyloxazoline portion of mycobactin. We are looking for co-operation in evaluating our compounds against the target.

Our Research Group Activities

Our Synthetic & Medicinal Chemistry Research Group is involved in design and synthesis of small molecules, inhibitors against Viral Proteases (Dengue & Chikungunya) in collabration with Prof. Rolf Hilgenfeld (University of Luebeck, Luebeck, Germany) and Prof. Canard Bruno (Université de la Méditerrannée, Marseille Cedex 09, France) for two Indo German projects, funded by INDIGO-ERANET and DBT-BMBF.

The other targets that our group has been working upon during past few years include:

(i) Ribonucleotide Reductse (Collabrator: Prof. Philipp Saiko, General Hospital of Vienna-Medical University of Vienna, Vienna, Austria); [6-8]

(ii) Monoamine Oxidase (Collabrator: Prof. Gulberk Ucar, Hacettepe University, 06100 Sıhhıye, Ankara, Turkey) [9-13]

(iii) Mycobactin Synthetase (Collabrator: Prof. Luis E. N. Quadri, Weill Medical College of Cornell University, New York, NY 10021, USA) [2] and

(iv) Histone Deacetylase (Prof. Manfred Jung, Albert-Ludwigs-Universität Freiburg, Freiburg, Germany)

References:

1. Quadri, L. E. N. Strategic Paradigm Shifts in the Antimicrobial Drug Discovery Process of the 21st Century. Infect. Disord.: Drug Targets 2007, 7, 230-237.

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*Profile: **88***

BIRLA INSTITUTE OF TECHNOLOGY

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Contact Person	
Position	Assistant Professor
Name	**ARIJIT BASU**

Area of activity

- Other: Medicinal Chemistry

Short description of company

Birla Institute of Technology is Deemed University established in 1955. Pharmaceutical Sciences department is established in 1972.
Our Medicinal Chemistry research group is actively involved in drug design and development in the following areas:
1. Computer Aided Drug Design,
2.Drug development against
a)viral targets like Dengue virus, Chikungunya virus.
b)Anticancer targets like Ribonucleotide Reductase and Histone deacetylase
c)CNS targets like Monoaamine oxiadase and Acetyl cholinesterase.

Medicinal Chemistry and Drug discovery

We are a small group of researchers, primarily working in the area drug design and development in the following areas:
Anti-cancer-Targets Ribonucleotide Reductase, HDAC etc.
Anti virals- Dengue, Chikungunya
Monoamine oxidase
Antitubercular etc.
Innovative aspects and main advantadges / benefits:
We are a motivated research group, headed by Dr. B.N.Sinha. In past few years we had significant research grants and publications to our credit.
We have many national and international collaborations. In most of these collaborations our part has been Drug designing, molecular modeling and synthesis.
We are primarily seeking collaborator biologist, whom we can support (or get supported) by extending our designing and synthesis service.

Profile: ***89***

Central Drug Research Institute

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Email	kumaraveluj@cdri.res.in	
www	http://www.cdriindia.org/home.asp	
Org. Type (Size)	Governmental body (250+)	

Contact Person	
Title	Dr
Position	Scientist
Name	**Kumaravelu Jagavelu**

Area of activity

- Health: I am a an endothelial cell biologist focusing on the regenerative and pathologic angiogensis in cardiovascular diseases and screening of new drugs for cardiovascular diseases.

Short description of company

Central Drug Research Institute (CDRI) under the aegis of Council of Scientific and Industrial Research is a pioneer research organization in the field of biomedical research where all the infrastructure and expertise are available to develop a drug right from its concept to market. The very latest techniques and methodologies are employed for developing drugs, diagnostics and vaccines to combat diseases prevalent among mankind in general and Indian population in particular. CDRI is a multidisciplinary research laboratory consisting of scientific personnel of various areas of biomedical sciences like Cardiovascular and central nervous system, malaria, tuberculosis, reproductive health, diabetes and others. Recenlty CDRI has developed several new drugs like Centchroman(oral contraceptive), Centbucridine(local anaesthetic),Arteether(antimalarial), Gugulipid(hypolipidaemic) and also possesses several patents.

Endothelial cells in cardiovascular diseases

Endothelial cells plays a important role in restoring the blood flow for the ischemic tissues through the process called angiogenesis. Hence, understanding the role of endothelial cells during ischemia and diseased states enables fasters restoration of blood supply to the ischemic tissues.

Innovative aspects and main advantadges / benefits:

The endothelial cells are the first to respond the different stimuli in blood vessel. Hence we are trying to study the behaviour of endothelial cells after ischemic stress. How the inflammatory cells perceives this stress and plays a role in initiating further responses leading to complex pathological situations. If we could reduce the endothelial expression of factors that are particularly expressed during ischemia, we could reduce the progression of cardiovascular diseases.

Profile: ***90***

Centre for Development of Advanced Computing

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www	www.cdacnoida.in	
Org. Type (Size)	Research Organisation (250+)	

Contact Person

Title	DR
Position	Executive Director
Name	**George Varkey**

Area of activity

- Health
- Other: Governance

Short description of company

CDAC, Noida - formerly known as ER&DCI, Noida - is a constituent unit of Centre for Development of Advanced Computing, a Scientific Society of the Department of Information Technology, Govt. of India. It is a multi-campus center with two campuses (R&D and Academic) separated by a distance of about 100 meters. The overall built-up area is around 17000 square meters. The current employee strength is around 400, of which more than 60% is engineers . From its very inception in 1994, the center has been working in application oriented design and development for various customer requirements. During these years, it has acquired competency, expertise and extensive experience in the areas of Health Informatics, Embedded Systems, Language Computing and e-Governance domains. These form the four verticals of its R&D wing. The academic wing focuses on generation of quality manpower in advanced software areas. It is organized as four schools –viz.- School of IT (SoIT), School of Electronics (SoE), School of Management (SoM) and Finishing School (FS). SoIT provides MCA and M.Tech courses in Computer Science and Information Technology. SOE provides M.Tech course in VLSI Design and a number of postgraduate diploma programs in wireless, embedded systems, and hardware design. SoM provides MBA course in Software Enterprise Management. These are affiliated to GGSIP University in New Delhi. The Finishing School offers various postgraduate diploma courses in many advanced topics. CDAC, Noida stresses on synergy between education, research, and product development. It accords prime importance to reliability and maintainability of its systems in field. The technology development initiatives of the Centre are highly focused in the above four areas and are obtained predominantly with funding from the various Ministries and Departments of Government of India, State Governments and other agencies.

Health

Established in March 1988, as a Scientific Society of the Department of Information Technology (formerly Department of Electronics), under Ministry of Communications and Information Technology, Government of India, The Centre For Development of Advanced Computing (C-DAC), is primarily an R & D institution involved in the design, development and deployment of Advanced Information Technology (IT) products and solutions. C-DAC's operations are mission oriented and driven by its mission objectives.

In a little over a decade since inception, C-DAC has made about 15 major installation of Health Information System in the Government and Private Hospitals in India and abroad.

Hospital Information System developed by C-DAC is modular thus ensuring sustained benefits through changes in the technology, protecting and providing optimal returns to the investment. It is modeled on a unique combination of a 'patient centric and medical staff centric' paradigm, thus providing the benefits of both the recipients and the providers of the healthcare.

The HIS has been designed to adopt – to be customized to the user's specific requirement, and cover the most common functions in a hospital. Its modularity provides a mechanism to enhance the scope and the functionality of the package ensuring seamless integration with new modules.

Clound computing

Profile: ***91***

Centre for Development of Advanced Computing

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Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title Position	Group Co ordinator - Information Services
Name	**Thirupura Sundari Rajagopalan**

Area of activity

- Health
- Other: governance, language computing

Short description of company

C-DAC, a scientific society, under the Department of Information Technology, under Ministry of Communications and Information Technology, Government of India, was set up in March 1988 as India's national initiative for the design, development and delivery of indigenous supercomputers.

C-DAC's expertise also extends to other related areas of Information Technology and includes pioneering work undertaken in the field of multilingual & multimedia technologies, education and training and developing IT based solutions in areas like Financial Modeling, Network & Internet Security, Real Time Systems, e-Governance, Geomantics, Digital Library & Artificial Intelligence.

As part of its business activities, C-DAC has executed projects, which are broadly categorized in the areas of:
High Performance Computing
Internet and Networking
e-Governance
Geomantics
Medical Informatics & Healthcare
Software Application Consultancy and Development
Language Computing
Formal and Non Formal Education
Real Time System

Profile: ***93***

Council of Scientific & Industrial Research

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Org. Type (Size)	Governmental body (250+)	

Contact Person	
Title	Mr
Position	Principal Scientist
Name	**Rajendra Prasad Singh**

Area of activity

- Biotechnology
- Health

Short description of company

CSIR is a premiere R&D organization of India. The mission of CSIR is to provide scientific industrial R&D that maximises the economic, environmental and societal benefits for the people of India.

Profile: ***94***

Council of Scientific & Industrial Research (CSIR)

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Email	sk@csir.res.in	
www	www.csir.res.in	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Dr.
Position	Chief Scientist
Name	**Sudeep Kumar**

Area of activity

- Biotechnology
- Health
- Other: Management of Research Projects

Short description of company

Council of Scientific & Industrial Research (CSIR), India is a premier R, D and E organization delivering cutting edge science on one hand and state of art technology on the other. It has emerged as a unique "Innovation System" of India. It has a pan-India presence through 37 laboratories and 39 outreach centres, working in diverse knowledge intensive S&T areas. By systematic reorientation and repositioning from time to time, it has strived to become a model contemporary RD&E organization. CSIR is now moving towards globally benchmarking itself.

CSIR has spearheaded formulation of many policies in the Country and in tune with the government priorities, has refocused its goals to contribute towards achieving faster inclusive growth through appropriate S&T intervention. CSIR of today is not only firmly embedded into the National Innovation System(NIS) but also is energizing it by gainfully utilizing the expertise of more than 4500 scientists; 7000 technical personnel and 4000 administrative staff under its umbrella.

CSIR undertakes contract research in diverse fields. It's clientele, from across the globe, reads like whose who. In doing so, CSIR has devised unique "Knowledge Partnership" models.

Profile: ***95***

Council of Scientific & Industrial Research (CSIR)

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Org. Type (Size)	Research Organisation (250+)	

Contact Person

Title	Dr
Position	Scientist Coordinator, International S& T Affairs Directorate
Name	**Purnima Rupal**

Area of activity

- Other: International Cooperation

Short description of company

Established in 1942, the Council of Scientific and Industrial Research (CSIR), India's premier R&D organization with over 4500 scientists working across 37 constituent research institutes supported by over 8000 S&T support & over 4000 administrative personnel, and world-class facilities.

CSIR activities cover a wide spectrum of S&T - From aeronautics, instrumentation, mining, minerals and materials, environmental engineering to oceanography, chemicals, drugs, and biotechnology. CSIR is the highest patent filer from India and also is one of the highest foreign patent holders from India. It publishes more than 4000 peer - reviewed papers annually with an average impact factor of more than two.CSIR enters into over 300 contract R&D technology licensing agreements annually and generates around Rs. 4000 crore from external sources. CSIR annual budget is about Rs. 2000 crore. Over the last decade, CSIR has partnered with over 5000 industries both from within and outside the country.

Profile: ***96***

COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH (CSIR), INDIA

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www	www.csir.res.in	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	MR.
Position	SCIENTIST
Name	**ANOJ KUMAR CHADAR**

Area of activity

- Other: EU INDIA S&T COOPERATION

Short description of company

Council of Scientific and Industrial Research (CSIR), India established in 1942, is a premier R&D organization with a network of 37 laboratories and 39 extention centre spread throughout India.

CSIR's mission is "To provide scientific industrial R&D that maximises the economic, environmental and societal benefits for the people of India". It's expertise is embodied in about 4600 active scientists supported by over 8000 scientific and technical personnel working with a state-of-the-art infrastructure. The activities of CSIR are directed towards effective utilisation of country's resources, development of new products, processes and technologies, to strengthen S&T base in the country and to help improve quality of life of the people.

In achieving these, CSIR covers a wide spectrum of S&T – from aeronautics, instrumentation, mining, environmental engineering and computer software to oceanography, geophysics, chemicals, drugs and biotechnology. It carries out research of value not only to industry but also to other vital sectors of economy viz., agriculture, mining, energy etc. It plays some other major roles besides generation of technology such as technical assistance to industry in problem solving, trouble shooting, upgradation etc.

Profile: ***97***

Council of Scientific and Industrial Research

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Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Dr
Position	Principal Scientist
Name	**Debashis Bandyopadhyay**

Area of activity

- Biotechnology
- Health
- Other: Innovation Management

Short description of company

Council of Scientific & Industrial Research (CSIR), India is a premier R, D and E organization delivering cutting edge science on one hand and state of art technology on the other. It has emerged as a unique "Innovation System" of India. It has a pan-India presence through 37 laboratories and 39 outreach centres, working in diverse knowledge intensive S&T areas. By systematic reorientation and repositioning from time to time, it has strived to become a model contemporary RD&E organization. CSIR is now moving towards globally benchmarking itself.

CSIR has spearheaded formulation of many policies in the Country and in tune with the government priorities, has refocused its goals to contribute towards achieving faster inclusive growth through appropriate S&T intervention. CSIR of today is not only firmly embedded into the National Innovation System(NIS) but also is energizing it by gainfully utilizing the expertise of more than 4500 scientists; 7000 technical personnel and 4000 administrative staff under its umbrella.

CSIR undertakes contract research in diverse fields. It's clientele, from across the globe, reads like whose who. In doing so, CSIR has devised unique "Knowledge Partnership" models.

Profile: ***98***

Council of Scientific and Industrial Research (CSIR), New Delhi

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Contact Person	
Title	Er.
Position	Senior Scientist
Name	**MAYANK MATHUR**

Area of activity

- Other:Engineering Sciences

Profile: ***99***

CSIR-Central Drug Research Institute, Lucknow INDIA

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Org. Type (Size)	Research Organisation (101-250)	

Contact Person	
Title	Dr.
Position	Scientist, Head Pharamcology Division
Name	**Madhu Dikshit**

Area of activity

- Health

Short description of company

Central Drug Research Institute (CDRI) was established under the Council of Scientific & Industrial Research, New Delhi, as a centre of excellence dedicated to drug research. CDRI since its inceptionhas licensed 12 drugs, produced more than 1000 PhDs, and generated more than 9000 publications. It is a unique instituion which has all the facilities required for the drug development under one roof.

Nitric oxide -neutrophil functions, and anti-thrombotic research

Research from my lab has demonstrated role of nitric oxide in augmenting neutrophil free radical generation involving NADPH-oxidase, myeloperoxidase and nitric oxide synthase, leading to the formation of neutrophil extracellualr traps, which exhibit inflammatory potential and activate platelets.

We have a strong interest in anti-platelet, anti-diabetic research. We have full range on in-vitro & in-vivo models for thrombosis and have identified Lead molecules working through GPVI to inhibit collagen mediated platelet activation.

Innovative aspects and main advantadges / benefits:

Exploration of the molecular mechanisms and redox modification of signaling proteins involved in the release of neutrophil extracellular traps (NETs) by using knockout animals, and neutrophils from diseased patients will unravel role of NETs in various pathological conditions.

Anti-platelet drug development via GPVI pathway is a new concept and CDRI has several active molecules

Profile: ***100***

CSIR-Central Electrochemical Research Institute

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Org. Type (Size)	Governmental body (250+)	

Contact Person	
Title	Scientist
Position	Head
Name	**Subramanyan Vasudevan**

Area of activity

- Other: Electrochemicical water treatment, Hydrogen energy

Short description of company

In living up to its raison d'etre, the institute works on a gamut of problems covering all facets of electrochemical science and technology: Corrosion Science and Engineering, Electrochemical Materials Science, Functional Materials and Nanoscale Electrochemistry, Electrochemical Power Sources, Electrochemical Pollution Control, Electrochemicals, Electrodics and Electrocatalysis, Electrometallurgy, Industrial Metal Finishing, and Computer Networking and Instrumentation. The institute provides a single and unique canopy under which all aspects of electrochemistry and related areas are researched in their dimensions. CECRI's activities are directed towards development of new and improved products and processes as well as novel innovations in electrochemical science and technology. CECRI runs several projects in collaboration with laboratories from within and outside India.

Development of energy-friendly electrochemical processes for drinking water purification

In recent years, the quality and quantity of the drinking water is diminishing due to growing population as well as increasing industrialization. Only less than 1% of the world's fresh water resources are readily available for human use and, consequently, the development of new technologies to improve its quality, and even to make available new sources from low quality reservoirs is now a hot research topic. Recent research has demonstrated that electrochemical processes offers an attractive alternate due to specific advantages over conventional technologies - including their lower dependency of chemicals - and also to their easy coupling to green energy produced for instance by wind and solar photovoltaic cells, which allows developing new energy-friendly alternatives to conventional water treatment processes.

Profile: ***101***

CSIR-Indian Institute of Toxicology Research

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Email	alokdhawan@iitr.res.in	
www	www.iitrindia.org	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Prof
Position	Principal Scientist & Area Coordinator, nanomaterial Toxicology Group
Name	**Alok Dhawan**

Area of activity

- Biotechnology
- Other: Nanomaterial Toxicology

Short description of company

CSIR-Indian Institute of Toxicology Research (IITR) is a constituent laboratory of Council of Scientific & Industrial Research (CSIR), Government of India. This multidisciplinary research institute addresses problems critical to human health and environment in niche areas of toxicology – Nanomaterial Toxicology; Systems Toxicology & Health Risk Assessment; Food, Drug & Chemical Toxicology; Environmental Toxicology; and Regulatory Toxicology. The institute has a complete battery of in vitro and in vivo tests. At IITR, a facility has been created for safety/toxicity assessment of nanoparticles (NPs) used in cosmetics as well as therapeutics. IITR study on the effect of ZnO NPs on human skin cells featured in the European Commission's Science for Environment Policy document (Nanomaterials, April 22, 2009 Page 4). The group has received funding under the Indian Nanomission Programme and UK- India Education and Research Initiative with the University of Bradford, UK on nanomaterial toxicology. We are looking forward to further collaboraiton in the area of nanosensors and nanotoxicology.

Nano sensors and drug delivery systems; nanomaterial safety/toxicity profiling

We wish to initiate a collaboration in the above areas with EU partners.

Profile: ***102***

CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH

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Org. Type (Size)	Research Organisation (101-250)	

Contact Person	
Title	Ph.D.
Position	SCIENTIST
Name	**ALOK KUMAR PANDEY**

Area of activity

- Biotechnology
- Health
- Other: NANOMATERIAL TOXICOLOGY

Short description of company

CSIR-Indian Institute of Toxicology Research (CSIR-IITR) (formerly: Industrial Toxicology Research Centre), Lucknow, a constituent laboratory of Council of Scientific & Industrial Research, was established in 1965. The institute in consonance with its proactive policies towards safety to environment and health has taken initiatives with the state of the art facilities and expertise to provide services using national and international guidelines conforming to OECD, USEPA, BIS, ISO to public and private sectors.

SCIR-IITR undertakes research in niche areas of toxicology. These include the impact of industrial and environmental chemicals on human health and ecosystem, and environmental monitoring of pollutants in air, water and soil. The institute also helps regulatory bodies to formulate/amend guidelines for safe use of chemicals/products, and ensures that the common man is benefited.

The motto of the institute "Safety of environment & health and service to industry" is achieved through the following five groups:

Nanomaterial Toxicology
Environmental Toxicology
Food, Drug & Chemical Toxicology
Regulatory Toxicology
Systems Toxicology & Health Risk Assessment

IITR, a leader in toxicology research, endeavours to mitigate problems of human health and environment. The institute aims to accomplish its goals through the following objectives:
Safety evaluation of chemicals used in industry, agriculture and everyday life.
Mode of action of toxic chemicals/pollutants.
Remedial/preventive measures to safeguard health and environment from pollutants.
Occupational health hazards due to exposure in chemicals industries, mines, agricultural fields and environment.
Simple/rapid diagnostic tests for disorders caused by industrial and environmental chemicals
Collect, store and disseminate information on toxic chemicals.
Human resource development for dealing with industrial and environmental problems.
Provide a platform to public and entrepreneurs to address queries and concerns regarding safety/toxicity of chemicals, additives and products.
In vivo and in vitro test systems have been developed for ecotoxicological evaluation of effluents using biological species, safety evaluation of plastics and polymers and screening for the dermal, reproductive, immunotoxic, genotoxic, phytotoxic, carcinogenic and mutagenic potential of chemicals.

Profile: ***103***

CSM Medical University

Address	chowk 226003 - LUCKNOW	**India**
Phone	+91 522 2258010	
Email	divyamehrotra@hotmail.com	
www	csmmu.in	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Dr
Position	Prof
Name	**Divya Mehrotra**

Area of activity

- Health

Short description of company

The King George Medical College, Lucknow, established in 1911, has been a frontrunner among medical education institutions in the country. By an act passed by the Government of Uttar Pradesh on the 16th September 2002, the college was transferred under a new university, called the Chhatrapati Shahuji Maharaj Medical University. The institution is committed to the dissemination and advancement of knowledge in biomedical sciences and establishing itself as a centre of excellence in tertiary level health care in the state

Genetic and proteomic studies in cleft lip and palate

Case control study

Innovative aspects and main advantadges / benefits:

This study would be an important study on cleft lip and or palate at the genetic and proteomic level in Indian population,where it is expected to reveal the bio markers as genes and protein to aid in prevention of occurrence of non syndromic cleft lip and/ or palate in the population by genetic matching, leading to a new level of molecular diagnostics. The parents, individuals and couples may be able to know the probability risk of having a child with non syndromic cleft lip and/ or palate.

Profile: ***104***

Delegation of the European Union to India

Address	65 Golf Links	**India**
	110003 - New Delhi	
Email	indraneel.ghose@eeas.europa.eu	
www	http://eeas.europa.eu/delegations/india/index_en.htm	
Org. Type (Size)	Governmental body (250+)	

Contact Person	
Title	Dr.
Position	Science and Technology Analyst
Name	**Indraneel Ghose**

Area of activity

- Biotechnology
- Health
- Other: Our objective is to promote EU-India cooperatioon in science, research and innovation in all areas

Profile: ***105***

Department of Biochemistry & Biotechnology, ANNAMALAI UNIVERSITY

Address	University Campus 608002 - Annamalainagar	**India**
Phone		
Email	jayampari@gmail.com	
www		
Org. Type (Size)	University (250+)	

Contact Person	
Title	Dr
Position	Professor
Name	**Leelavinothan Pari**

Area of activity

- Biotechnology
- Health
- Other: Diabetes

Short description of company

Our ANNAMALAI UNIVERSITY is one of familiar organisation in South India. In the University, Biochemistry & Biotechnology is a poineer department received lot of National & International funding for Health Research.
Specifically, Dr.Pari's Research Team working on pathophysiolgy of diabetes and anti-diabetic drugs.

Anti-diabetic drugs , pathophysiology of diabetes & diabetic cadiovascular

Identification with relavant studies of bioactives (in vivo & in vitro) from medicinal is very important that can be used as complementary and alternative medicine for Type 2 diabetes

To identify the beneficial & protective Bioactive principle on endothelial dysfunction induced type 2 diabetic hyperlipidemia.

Innovative aspects and main advantadges / benefits:

Poorer populations who have limited access to modern pharmaceuticals and diabetics preferring natural health products to drugs

Such bioactives may represent novel templates for the development of innovative oral hypoglycemic drugs that may have a better profile of activity and/or reduced side effects.

Profile: ***106***

EURAXESS Links India

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www	http://ec.europa.eu/euraxess/links/india/index_en.htm	
Org. Type (Size)	Other (1-10)	

Contact Person	
Position	Information Officer EURAXESS Links India
Name	**Christian Wilk**

Area of activity

- Other

Short description of company

EURAXESS Links India is a network of European researchers, scientists, and scholars working in or commuting to India. This multidisciplinary network includes members at all stages of their careers. It allows them to connect with each other and with Europe, ensuring that they are recognized as an important resource for European research, whether they remain in India or return to Europe.
For further information and to sign up for membership in our network, as well as in the virtual SINAPSE community of European researchers abroad, please go to our website and click on the Join the EURAXESS Links India community hyperlink on the right-hand side of the page: http://ec.europa.eu/euraxess/links/india/index_en.htm

Support services for R&D cooperation

My company assists you in finding the right R&D partner for your cooperation objectives
Innovative aspects and main advantadges / benefits:
I have worked as a Project Officer for the European Commission, have more than 10 years experience in EU funded research projects, have lived and worked for many years in Thailand and now in India, taking care of the European research community in India as information officer of EURAXESS Links India.

Profile: ***107***

FICCI

Address	Tansen Marg 110001 - New Delhi	**India**
Phone	91 23 73 6306	
Email	rashmisarita@ficci.com	
www	www.ficci.com	
Org. Type (Size)	Other (250+)	

Contact Person	
Title Position	Deputy Director
Name	**Rashmi Sarita**

Area of activity

- Biotechnology
- Health

Short description of company

Established in 1927, FICCI is the largest and oldest apex business organisation in India.
A non-government, not-for-profit organisation, FICCI is the voice of India's business and industry. FICCI has direct membership from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 83,000 companies from regional chambers of commerce.
It works closely with the government on policy issues, enhancing efficiency, competitiveness and expanding business opportunities for industry through a range of specialised services and global linkages. It also provides a platform for sector specific consensus building and networking.
Partnerships with 77 countries across the world carry forward our initiatives in inclusive development, which encompass health, education, livelihood, governance, skill development, etc. FICCI serves as the first port of call for Indian industry and the international business community.

Profile: ***108***

Indian Agricultural Research Institute

Address	IARI, Pusa	**India**
	110012 - New Delhi	
Email	shellypraveen@hotmail.com	
www	www.iari.res.in	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Dr.
Position	Senior Scientist
Name	**Shelly Praveen**

Area of activity

- Biotechnology: Research and Teaching in molecular biology and technology

Short description of company

Indian Agricultural Research Institute, New Delhi is a premier research organization and seat of green revolution in the sub continent.IARI is the country's premier national Institute for agricultural research, education and extension. IARI is now more hundred year old and also a deemed university ,which awards M.Sc. and Ph.D. degrees in various agricultural disciplines.It plays a pivotal role in shaping Indian agricultural besides having role in human resource development. The main mandate on which we are working is :

To conduct basic and strategic research with a view to understanding the processes, in all their complexity and to undertake need based research, that lead to crop improvement and sustained agricultural productivity in harmony with environment.

Molecular mechanisms of plant viral infection

Viral diseases cause serious economic losses to the agriculture worldwide. Since, no conventional remedies are available, it is important to study and understand the host virus relationships and interactions. The basic functionalities of these interactions can help to find out ways for the management of these diseases. My laboratory primarily focuses on basic mechanisms of viral infection and their management. The key areas we are currently addressing are:

Biotic stress signaling , Host-virus interactome , RNAi as defense mechanism , Epigenetic modifications

Transgenic resistance

Innovative aspects and main advantages / benefits: To understand the basic mechanism of viral infection in plants in relation to host defense pathways. This will help in expanding our knowledge in the area of resistance/ susceptible nature of the host plants. Beside this evolution of new strains of viruses and expanding host range under the changing climatic patterns are other key issues,which needs attention. The study is a step forward in understanding these issues and help in management of the viral diseases.

Profile: ***109***

Indian Institute of Foreign Trade

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www	http://www.iift.edu/new/	
Org. Type (Size)	University (101-250)	

Contact Person	
Title	Professor
Position	Head, Centre for International Trade in Technology (CITT)
Name	**Deepak Bhatnagar**

Area of activity

- Other

Short description of company

About IIFTThe Indian Institute of Foreign Trade (IIFT) was set up in 1963 by the Government of India as an autonomous organisation to help professionalise the country's foreign trade management and increase exports by developing human resources; generating, analysing and disseminating data; and conducting research. The Institute visualises its future role as:
A catalyst for new ideas, concepts and skills for the internationalisation of the Indian economy.
The primary provider of training and research-based consultancy in the areas of international business, both for the corporate sector, Government and the students community.
An institution with proven capability to continuously upgrade its knowledge base with a view to servicing the requirements of the Government, trade and industry through both sponsored and non-sponsored research and consultancy assignments.
Centre for International Trade in Technology :
The distinctive feature of the current pattern of world trade is a continuous expansion in exports of technology-intensive goods and services. This growth is in sharp contrast to the decline in the proportion of trade accounted for by primary commodities and low technology products. India, with its large diversified industrial structure, well equipped research laboratories, scientific & technical manpower and emerging open policy environment, is well-poised to take advantage of this rising global demand for technology intensive goods and services in the WTO regime.This requires sustained and cohesive efforts on the part of the important stakeholders which include Government, industry, research & development organisations, consultants and academia. The success conditions in technology marketing are

substantially more complex compared to those for traditional exports. There has to be a stronger synergy between the country's intrinsic capability and perceived image of its technological competence to come out with cutting edge technologies in order to remain competitive in global market. Investments to be made upfront for market analysis and appraisal for eventual exploitation of the trade potential are sometimes beyond the capacity of individual firms in India.With the primary objective of actualising India's potential in technology trade and addressing some of these institutional complexities, the Indian Institute of Foreign Trade (IIFT) has set up the Centre for International Trade in Technology with financial and technical support from the Department of Scientific and Industrial Research, Government of India. It is a unique institution of its own type in which roles of active players in international technology trade especially those of Ministry of Commerce & Industry and Ministry of Science and Technology are proposed to be synthesised. It is well recognised that building up of technology trade requires sustained efforts over a period of time before any tangible results could be expected.

On going projects:

Project Sponsored by European Union 'Increasing the dialogue betweenIndiaandEuropeby Improving EU Awareness and Access to Indian Research and Innovation Technology Programmes' (India Gate).

Project sponsored by Department of Science and Technology, Government of India on 'Key output indicators for performance evaluation of research and development activities inIndia'

Research Studies Completed:

Sub-Group on 'Technology Intensity inIndia's Manufacturing Exports' for Working Group on 'Boosting India's Manufacturing Exports for the Twelfth Five-Year Plan'(2012-2017), August 2011

Study on 'Technology Support Services in SEZs' sponsored by Department of Science and Technology, July 2011.

Compendium on Technology Export : An Illustrative compilation of Exported & Exportable Technologies fromIndia(Yearly, from 2002-2009)

Technology Branding in SMEs (March 2009)

A pilot study on Technology Based Startups (August 2007)

Exportable R&D Services in ICMR System (July 2007)

Foreign R&D Centers inIndia(October 2006)

Exportable R&D Services in the CSIR System (December 2005)

Policies and Incentives for Accelerating Technology Intensive Exports 'Exporters' perspective' (January 2003)

Technology Intensive Exports fromIndia(January 2003)

Compilation of WTO – TBT Notifications Issued During 2001, 2002 & 2003 in Select Sectors

i. Processed and Packaged Food
ii. Pharmaceutical & Medical
iii. Automobiles
iv. Chemicals & Fertilizers

Profile: ***110***

Indian Institute of Foreign Trade

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Org. Type (Size)	University (101-250)	

Contact Person	
Title	Mr
Position	Research Associate
Name	**Pravin Jadhav**

Area of activity

- Other: Research Associate with India Gate Project (INcreasing the DIAlogue between India and Europe by ImprovinG EU Awareness and Access to Indian Research and Innovation TEchnology Programmes)

Short description of company

About IIFT The Indian Institute of Foreign Trade (IIFT) was set up in 1963 by the Government of India as an autonomous organisation to help professionalise the country's foreign trade management and increase exports by developing human resources; generating, analysing and disseminating data; and conducting research. The Institute visualises its future role as:
A catalyst for new ideas, concepts and skills for the internationalisation of the Indian economy.
The primary provider of training and research-based consultancy in the areas of international business, both for the corporate sector, Government and the students community.
An institution with proven capability to continuously upgrade its knowledge base with a view to servicing the requirements of the Government, trade and industry through both sponsored and non-sponsored research and consultancy assignments.
Centre for International Trade in Technology :
The distinctive feature of the current pattern of world trade is a continuous expansion in exports of technology-intensive goods and services. This growth is in sharp contrast to the decline in the proportion of trade accounted for by primary commodities and low technology products. India, with its large diversified industrial structure, well equipped research laboratories, scientific & technical manpower and emerging open policy environment, is well-poised to take advantage of this rising global demand for technology intensive goods and services in the WTO regime.This requires sustained and cohesive efforts on the part of the important stakeholders which include Government, industry, research

& development organisations, consultants and academia. The success conditions in technology marketing are substantially more complex compared to those for traditional exports. There has to be a stronger synergy between the country's intrinsic capability and perceived image of its technological competence to come out with cutting edge technologies in order to remain competitive in global market. Investments to be made upfront for market analysis and appraisal for eventual exploitation of the trade potential are sometimes beyond the capacity of individual firms in India.With the primary objective of actualising India's potential in technology trade and addressing some of these institutional complexities, the Indian Institute of Foreign Trade (IIFT) has set up the Centre for International Trade in Technology with financial and technical support from the Department of Scientific and Industrial Research, Government of India. It is a unique institution of its own type in which roles of active players in international technology trade especially those of Ministry of Commerce & Industry and Ministry of Science and Technology are proposed to be synthesised. It is well recognised that building up of technology trade requires sustained efforts over a period of time before any tangible results could be expected.

On going projects:

Project Sponsored by European Union 'Increasing the dialogue betweenIndiaandEuropeby Improving EU Awareness and Access to Indian Research and Innovation Technology Programmes' (India Gate).

Project sponsored by Department of Science and Technology, Government of India on 'Key output indicators for performance evaluation of research and development activities inIndia'

Research Studies Completed:

Sub-Group on 'Technology Intensity inIndia's Manufacturing Exports' for Working Group on 'Boosting India's Manufacturing Exports for the Twelfth Five-Year Plan'(2012-2017), August 2011

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Compendium on Technology Export : An Illustrative compilation of Exported & Exportable Technologies fromIndia(Yearly, from 2002-2009)

Technology Branding in SMEs (March 2009)

A pilot study on Technology Based Startups (August 2007)

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Foreign R&D Centers inIndia(October 2006)

Exportable R&D Services in the CSIR System (December 2005)

Policies and Incentives for Accelerating Technology Intensive Exports 'Exporters' perspective' (January 2003)

Technology Intensive Exports fromIndia(January 2003)

Compilation of WTO – TBT Notifications Issued During 2001, 2002 & 2003 in Select Sectors

i. Processed and Packaged Food
ii. Pharmaceutical & Medical
iii. Automobiles
iv. Chemicals & Fertilizers

Trade in Technology, Foreign Direct Investment

Profile: ***111***

Indian Institute of science

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Phone	91 80 2293 2538	
Email	dnrao@biochem.iisc.ernet.in	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Professor
Position	Chairman, Divn of Biol Sciences
Name	**Rao Desirazu**

Area of activity

- Biotechnology
- Health

Profile: ***112***

Indian Institute of Technology Mandi

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Phone	+91 8894559352	
Email	abbas@iitmandi.ac.in	
www	www.iitmandi.ac.in	
Org. Type (Size)	Governmental body (250+)	

Contact Person	
Title	Dr.
Position	Assistant Professor
Name	**Syed Abbas**

Area of activity

- Other: Engineering

Short description of company

Indian Institute of Technology Mandi is an autonomous university located in Mandi, Himachal Pradesh, India. It is the youngest IIT in India, established by the Ministry of Human Resource Development, Government of India, in 2009. Currently, It consists of 4 schools, School of Computing and electrical engineering, School of Basic Sciences, School of engineering and school of humanties and social sciences. I am working as an Assistant Professor in the school of basic sciences. We offere B.tech, Ph.D. and M.S. progrmae in various disciplines. The vision of IIT Mandi is to be a leader in science and technology education, knowledge creation and innovation, in an India marching towards a just, inclusive and sustainable society.

Qualitative analysis of delay and functional differential equations and applications

My current interest falls in the area of modelling of ecological systems using ordinary as well as fractional differential equations. I basically focus on qualitative analysis of nonlinear partial, functional and delay differential equations which model physical systems. More specifically, I work on the existence and uniqueness of almost periodic solution of various kinds of differential equations.

Almost Periodic Solutions:

The notion of almost periodicity as a structural property of a function is a generalization of pure periodicity. From the very beginning of twentieth century the almost periodic solutions of differential equations have attracted many mathematicians. Harald Bohr was the one who has initiated and completed the theory of almost periodic functions. In

celestial mechanics almost periodic solutions and stable solutions are intimately related also stable electronic circuit's exhibit almost periodic behaviour. The theory has been developed in connection with certain type of differential equations, stability theory, dynamical systems and so on. The circle of applications of the theory has been appreciably extended, and includes not only ordinary differential equations and classical dynamical systems, but wide class of partial differential equation and equations in Banach spaces also. The almost periodic functions have been quite a topic of research in the theory of differential equations. The interaction of the two theories has developed both. It has been witnessed that certain problems in the ordinary differential equations have led to new definitions and results in almost periodic function theory. From the beginning people have been thinking about explaining the behavior of the moon, sun, and planets viewed against the background of the fixed stars. This was even more difficult for Greek astronomers by the added restriction that the solar system were to use only uniform linear and uniform circular motions. The method of epicycles was one of such solution attributed to Hipparchus and appearing in the Almagest of Ptolemy.

We use the theory of semigroups of linear operator and fixed point theorem to obtain the results. The results obtained may be applied to functional differential equations arising in the modeling of many physical problems, for instance, population dynamics. We generalized many results of almost periodicity for both autonomous and nonautonomous case of functional and neutral functional differential equations.

Stochastic Modelling:

Mathematical models can be categorized broadly as being probabilistic or deterministic. Among situations where probabilistic models are more suitable, very often a better representation is given by considering a collection or a family of random variables instead of a single one. Collections of random variables indexed by a parameter such as time and space are known as stochastic processes. In reality, stochastic effects can be very important. Recent advances in stochastic differential equations enable us to introduce stochasticity into the model of physical phenomena, whether it is a random noise in the system of differential equations or environmental fluctuations in parameters. Modelling population dynamics in random environment is a way of studying the fluctuations of population size that has been affected by the stochasticity of external factors like weather. Thus in modeling ecological systems one can not ignore the random forces present in the nature. We are also working on stochastic modeling phytoplankton allelopathy.

The scientists working on problems which involve the analysis of solutions of differential equations can be the possble collabrator. Moreover ecological modeling is als a broad area of research and there are high possiblity for collabration in this field.

Innovative aspects and main advantadges / benefits:

The area of mathematical ecology and fractional differential equations are very demanding and important area of research from theoretical as well as applications point of view. Using mathematical models, one can predict the future behavior of certain systems, which can be an important information.

Profile: ***113***

Indian Institute of Technology Roorkee, Department of Earthquake Engineering

Address	IIT Roorkee 247667 - Roorkee	**India**
Phone	+91-1332-28400	
Email	dayasfeq@iitr.ernet.in	
www	www.iitr.ernet.in	
Org. Type (Size)	University (250+)	

Contact Person	
Title	PhD
Position	Assistant Professor
Name	**Prof. Daya Shanker**

Area of activity

- Biotechnology
- Other: Disaster, Engineering seismology, Earthquake Technology

Short description of company

About IIT Roorkee Indian Institute of Technology - Roorkee is among the foremost of institutes of national importance in higher technological education and in engineering, basic and applied research. Since its establishment, the Institute has played a vital role in providing the technical manpower and know-how to the country and in pursuit of research. The Institute ranks amongst the best technological institutions in the world and has contributed to all sectors of technological development. It has also been considered a trend-setter in the area of education and research in the field of science, technology, and engineering. The Institute has completed 150th year of its existence in October 1996. On September 21, 2001, an Ordinance issued by the Government of India declared it as the nation's seventh Indian Institute of Technology. The Ordinance is now converted into an Act by the Parliament to make IIT, Roorkee as an "Institution of National Importance". The Institute offers Bachelor's Degree courses in 10 disciplines of Engineering and Architecture and Postgraduate's Degree in 55 disciplines of Engineering, Applied Science, Architecture and planning. The Institute has facility for doctoral work in all Departments and Research Centres. The Institute admits students to B.Tech. and B.Arch. courses through the Joint Entrance Examination (JEE) conducted at various centres all over India.

Role of bio-energy in disaster mitigation

There are basically two tyes of energy in nature. First is electrical or atomic, which has characteristic of increasing disoderliness or entropy in the nature continuously with time. Second type of energy is bio-energy, which has the

opposite characteristics to organised atomic particles and creates order out of disorder due to the reduction in bio-energy. Hence we should used more bio-energy and consume less atomic or electrical energy to manage the disorderliness in the nature. As such it is high time to emphasize the rapid used of bio-energy resource for ecologically sound planning of urban cities or ecological sites and eco-hilly towns.

Innovative aspects and main advantadges / benefits:
In high landslide hazardous regions cash crops like tree garden or fruits orchards with deep roots are recommended to stablize the landslides and remove the poverty of the local people.More of herbal dedicines should be preserved or grown in slightly safer landslide areas. For earthquake hazardous regions creation of artificial lakes or conservation of natural lakes could control the earthquake disastrous effect up to some extent and side by side it will increase the economy of the region as recreational place for tourism

Profile: ***114***

Indian Institute of Toxicology Research

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Email	dhawanalok@hotmail.com	
www	www.iitrindia.org	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Prof.
Position	Principal Scientist
Name	**Alok Dhawan**

Area of activity

- Biotechnology
- Health
- Other: Nanomaterial Safety/Toxicology

Short description of company

Indian Institute of Toxicology Research [(IITR); formerly, Industrial Toxicology Research Centre], Lucknow, was estabnlished in 1965. IITR is a constituent laboratory of Council of Scientific & Industrial Research, Government of India, New Delhi. This multidisciplinary research institute with the motto "Safety to Environment and Health and Service to Industry" addresses problems critical to human health and environment.

IITR is a unique, valuable and internationally competitive organisation meeting global challenges. Over four decades of expertise, manpower and knowledgebase in toxicology research empowers the institute to conduct research in niche areas of toxicology such as - Nanomaterial Toxicology; Systems Toxicology & Health Risk Assessment; Food, Drug & Chemical Toxicology; Environmental Toxicology; and Regulatory Toxicology. IITR scientists actively participate in national and international R&D programmes addressing - new paradigms in investigative toxicology, screening technologies for environmental contaminants, development and validation of alternate to animal models in toxicology as well as understanding the molecular mechanism(s) of toxicity.

IITR is the only institute in India that has the complete battery of tests for in vitro and in vivo toxicology of chemicals and nanomaterials. It also has a fully equipped analytical chemistry and state of the art aniimal facility to support the research activitites. IITR has also cell culture, genomics and proteomics facilities. The institute has around 75 scientists and over 150 PhD students encompassing the five core areas.

The nanomaterial toxicology group at IITR has been able to create a facility for characterisation of nanoparticles as well

its safety/toxicity. Several studies have been conducted on nanoparticles used in cosmetics as well as therapeutics. One of the studies from IITR on the effect of ZnO nanoparticles on human epidermal cells (Sharma et al 2009*) featured in the European Commission's Science for Environment Policy document (Special Issue on Nanomaterials, April 22, 2009 Page 4). The scientists of the Nanomaterial Toxicology Group have been funded under the Nanomission Programme of the Department of Science & Technology, Government of India. IITR also has an Indo-UK collaborative project with the University of Bradford, Bradford, UK on nanomaterial toxicology under the UKIERI programme. We have also been funded under two EU projects (NanoLINEN and NanoVALID).
IITR plays a meaningful role in the societal missions as well as in framing the regulatory guidelines for safety of food, drugs and chemicals in India. The institute has met national challenges and participated in societal mission programmes such as Drinking Water Mission, Technology Mission on Oil Seeds, Pulses & Maize, Ganga Action Plan, Bhopal Gas Tragedy, Monitoring of Gomti River. IITR technologies were effectively utilized in providing potable water to the population of Orrisa during the Super Cyclone. The institute plays an active role in human resource development as well as environmental awareness programmes for public and school children.

*Vyom Sharma, Ritesh K. Shukla, Neha Saxena, Devendra Parmar, Mukul Das, Alok Dhawan. DNA damaging potential of zinc oxide nanoparticles in human epidermal cells. Toxicology Letters 185: 211-218, 2009.

Safety/Toxicity of Nanomaterials

Indian Institute of Toxicology Research [(IITR)

IITR is the only institute in India that has the complete battery of tests for in vitro and in vivo toxicology of chemicals and nanomaterials. It also has a fully equipped analytical chemistry and state of the art aniimal facility to support the research activitites. IITR has also cell culture, genomics and proteomics facilities. The institute has around 75 scientists and over 150 PhD students encompassing the five core areas.

The nanomaterial toxicology group at IITR has been able to create a facility for characterisation of nanoparticles as well its safety/toxicity. Several studies have been conducted on nanoparticles used in cosmetics as well as therapeutics. One of the studies from IITR on the effect of ZnO nanoparticles on human epidermal cells (Sharma et al 2009*) featured in the European Commission's Science for Environment Policy document (Special Issue on Nanomaterials, April 22, 2009 Page 4). The scientists of the Nanomaterial Toxicology Group have been funded under the Nanomission Programme of the Department of Science & Technology, Government of India. IITR also has an Indo-UK collaborative project with the University of Bradford, Bradford, UK on nanomaterial toxicology under the UKIERI programme.

Profile: ***115***

Institute of Genomics and Integrative Biology

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Phone		
Email	j.yadav@igib.res.in	
www	www.igib.res.in	
Org. Type (Size)	Governmental body (51-100)	

Contact Person	
Title	Scientist
Position	Head, Planning Monitoring and Evaluation Division
Name	**Jyoti Yadav**

Area of activity

- Biotechnology
- Health

Short description of company

Institute of Genomics & Integrative Biology (IGIB) is a premier Institute of Council of Scientific and Industrial Research (CSIR), engaged in research of national importance in the areas of genomics, molecular medicine, bioinformatics, proteomics and environmental biotechnology.

Profile: ***116***

Jawaharlal Nehru Centre for Advanced Scientific Research

Address	Jakkur 560064 - Bangalore	**India**
Phone	91-80-22082812	
Email	hb@jncasr.ac.in	
www	www.jncasr.ac.in	
Org. Type (Size)	Research Organisation (101-250)	

Contact Person	
Title	Dr
Position	Professor
Name	**Hemalatha Balaram**

Area of activity

- Health

Short description of company

Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) is a multidisciplinary research institute situated inBangalore,India. The Centre is funded by the Department of Science and Technology, Government of Indiaand is a deemed university granting Master"s and Ph.D. degrees in Basic Sciences and Engineering. This project coordinator is a professor in the Molecular biology and Genetics Unit of JNCASR. Research areas pursued in the Unit fall into the categories of Infectious Diseases, Cell Cycle, Chromatin organization and Transcription Regulation, Developmental Biology and Genetics. The PC's laboratory has been working in the area of Plasmodium biochemistry and metabolism for over 14 years. The focus of research has been on purine nucleotide metabolism leading to numerous publications in peer reviewed journals.

Structure/Function studies of Plasmodium falciparum GMP synthetase

Malaria caused by Plasmodium falciparum is responsible for more than 1-2million deaths worldwide annually. Lack of a vaccine along with widespreadoccurrence of drug resistance necessitates developing new drugs.Metabolic pathways indispensable for parasite survival are obvious targetsfor the development of new antimalarials. One potential target is thepurine salvage pathway as it provides the sole source of purinenucleotides to the rapidly multiplying parasite. Importance of the pathwayas a drug target, is further highlighted by recent research efforts tobiochemically and structurally characterize the constituent enzymes.During the parasite's intraerythrocytic stages when the disease ismanifested, synthesis of the purine nucleotide GMP proceeds through twosteps: conversion of IMP to XMP catalyzed

by IMP dehydrogenase followed byGMP synthetase (GMPS) converting XMP to GMP. This project aims tostructurally and biochemically characterize PfGMPS, dock and identifypotential inhibitor molecules and test inhibitors for effect on enzymeactivity and parasite growth in in vitro cultures. GMPS catalyses theamination of XMP to GMP with the reaction occurring in two domains, theGAT (glutamine amidotransferase) and ATPPase (ATP pyrophosphatase).Activity coordination across the two domains, through channelling ofammonia from GAT to the effector domain, is the hallmark ofamidotransferases. Unique features of PfGMPS both in sequence andbiochemical characteristics along with essentiality of the pathway forparasite survival justify PfGMPS as a potential drug target. Preliminarywork from the Indian Project coordinator provides a platform for further

Innovative aspects and main advantadges / benefits:
As stated above, malaria is a major tropical infection, for which new curesand treatments are urgently needed. The GMP synthetase enzyme,PfGMPS, is absolutely essential for parasite survival in the human host,and therefore presents a highly promising target for inhibitor design. Thegoal of our ambitious proposal is to open up this research subject bycrystallizing the enzyme, and solving its crystal structure. This will allowcomputational approaches of inhibitor design, next to the design of specificmechanism-based inhibitors (e.g. transition state analogues). The specificchallenge will be to design inhibitors that are highly specific for the P.falciparum enzyme, and do not inhibit the human one. The lack ofC-terminal extension that is present in most eukaryotic homologues,including the human enzyme, and the intriguing presence of a uniqueinsertion in PfGMPS of a stretch of amino acids in the GAT domain, whichis specific to only the parasite enzyme, may be exploited for this approach.Three-dimensional structures of the enzyme are required to make thispossible.

Profile: ***117***

Jawaharlal Nehru University

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Phone	91-11-26742572	
Email	skdhar2002@yahoo.co.in	
www	www.jnu.ac.in	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Dr
Position	Associate Professor
Name	**Suman Dhar**

Area of activity

- Biotechnology
- Health

I am a Bilogist working on DNA replication and Cell cycle regulation in two pathogens: Helicobacter pylori and Plasmodium falciparum. I am interested in further collaboration in these areas particularly in the high throughput screening of drugs against specific enzymes, bacteria and parasites.

Innovative aspects and main advantadges / benefits:
We work on Plasmodium gyrases, unique bacterial type topoisomerase present in the parasites. We have purified the protein and standardized assay conditions.
We also have characterized unique helicase DnaB from Helicobacter pylori and standardized its assay conditions.
I am ready to share these results and regaents for further collaborations.

Profile: ***118***

Jayasri

Address	katpadi Road 632014 - Vellore	**India**
Email	jayasri.ma@vit.ac.in	
www	www.vit.ac.in	
Org. Type (Size)	University (250+)	

Contact Person

Title Position	Assistant Professor
Name	**MA Jayasri**

Area of activity

- Biotechnology
- Health

Short description of company

An Institute Par Excellence VIT University, established under Section 3 of the University Grants Commission (UGC) Act, 1956, was founded in 1984 as a self-financing institution called the Vellore Engineering College. The Union Ministry of Human Resources Development conferred University status on Vellore Engineering College in 2001. The University is headed by its founder and Chancellor, Dr. G. Viswanathan, a former Parliamentarian and Minister in the Tamil Nadu Government. In recognition of his service to India in offering world class education, he was conferred an honorary doctorate by the West Virginia University, USA. Sankar Viswanathan, G.V. Sampath, Sekar Viswanathan and G.V. Selvam are the Vice-Presidents; Dr. V. Raju is the Vice-Chancellor and Dr. Anand A. Samuel and Dr. S. Narayanan are the Pro-Vice-Chancellors.Quick Facts

In 2011, 1,60,324 students appeared for the VIT Engineering Entrance Examination (VITEEE)

The institution offers 18 undergraduate and 34 postgraduate programmes.

Programmes at VIT are accredited by National and International agencies such as NBA, NAAC, IET (UK), Energy Institute (UK)

B.Tech in Mechanical Engineering, Civil Engineering and Electronics and Communication Engineering programmes offered at Vellore campus are accredited by the Engineering Accreditation Commission of ABET. B.Tech in Computer Science Engineering is accredited by Computing Accreditation Commission of ABET III Market Place, Suite 1050, Baltimore, MD 21202 – 4012, USA

VIT has been given Most Favored status by TCS, Wipro, Infosys, Cognizant, etc.

A 350-acre eco-friendly campus with over 50.83 lakh sq.ft. built-up space at Vellore.

A 150-acre eco-friendly second campus at Chennai

Over 19,600 students, nearly one-third of them women
Students from 47 countries as well as from every state in India.
Over 1100 faculty and 1275 staff.
Entered the Limca Book of Records for Campus Recruitment
School of Bio Sciences and Technology. The School of Bio Sciences and Technology offers undergraduate, post graduate and doctoral courses in the fields of Biomedical Engineering, Medical Genetics, Applied Microbiology, Biotechnology, Bio-informatics. The School consists of 8 divisions headed by experienced professors and faculty members. These divisions are: Bioinformatics, Biomedical Engineering, Biomolecules and Genetics, Bio medical Sciences,Environmental Biotechnology, Industrial Biotechnology, Medical Biotechnology, and Plant Biotechnology. Courses Offered
The school offers four Undergraduate (B.Tech.) and five Postgraduate (M.Sc. & M.Tech.) programmes.
Besides the School also offers M.S. & Ph.D. programmes in research.
The syllabus of each of the above programmes covers the latest developments in the respective streams and has been designed, based on market needs, whereby employability, developing skills as entrepreneur and grooming students as young scientists are the major priorities. Our efforts are strengthened by collaboration with National and International level institutes and multinational companies, as well as with visiting scientists. Healthy interaction between academia and biotech industry is consistently promoted in the School. Additionally, contract research and commercialisation of products developed at the university are undertaken as a part of the various programmes. The School has taken up a few research programmes in the fields of Microbiology, Medical genetics, Biotechnology, Biochemistry, Bioinformatics, Biomedical Engineering and other branches of Biomedical Sciences. Thus, the School has really grown into a major centre of higher education and research in the above fields in this part of the world. An important feature in the academic activity of SBST is its strong linkage with many national institutions such as Defence Bioengineering and Electro Medical Laboratories, Bangalore; Central Scientific and Instrument Organization, Chandigarh; Institute of Nuclear Medicine and Allied Sciences, Delhi; Christian Medical College (CMC), Vellore, Nicholas Piramal Laboratories, Mumbai; etc. Scope for Employment
Placement across industries such as pharma, biotech and genetics
Large companies in India and abroad
In Research institutions
Funded Projects The School has funded projects from Government departments namely, DBT, DRDO & DST as well as from core industries.

Area of Research

My area of research work is concerned with natural substances, the chemical and pharmacological bases for their biological activities. A wide range of bioassay systems including both invivo and invitro are used, both within the group and in collaboration with other researchers. The structures of these compounds are determined by use of advanced spectroscopic techniques such as high resolution mass spectrometry and multinuclear magnetic resonance spectroscopy. Novel compounds are isolated which could serve as lead molecules for pharmaceutical development.
Current research also includes the production of biofuels from the plant sources, especially the extraction and identification of lipids and oils.

Key areas

- Antidiabetic plants and their active constituents
- Antioxidant plant compounds and mechanism
- Natural products with potential use as anti-cancer agents
- Analytical methods for phytopharmaceuticals
- Interactions between natural compounds and mammalian metabolic processes
- Novel biologically active products from microbial sources
- Isolation and identification of lipids and oils from plant sources.

Innovative aspects and main advantadges / benefits:

We have enough man power and infrastructure to carry out the research work. We are now concentrating on the Southern Coast of India as it is less exploited region.

We already have a funded project from DBT for the diversity studies on marine algae.

Profile: ***119***

Kerala University of Fisheries and Ocean Studies

Address	Panangad Post 682506 - Kochi	**India**
Phone	+91 484 2700596	
Email	naircm@hotmail.com	
www	www.kufos.ac.in	
Org. Type (Size)	University (101-250)	

Contact Person	
Title	Prof. (Dr.)
Position	Pro Vice Chancellor
Name	**MOHANA KUMARAN NAIR C**

Area of activity

- Biotechnology
- Health
- Other: Fisheries, Aquaculture

Short description of company

The Kerala University of Fisheries and Ocean Studies (KUFOS) is a young University formed in 2011, by elevating the College of Fisheries, Panangad (hitherto under the Kerala Agricultural University) by a State (Provincial) Act by the Government of Kerala, India. The College of Fisheries started functioning in 1979 in the State Agricultural University pattern and was among 17 other Colleges in India imparting instructions in fisheries and aquaculture. The College offered undergraduate (Bachelor of Fisheries Science - B.F.Sc.); and postgraduate courses including Master of Fisheries Science (M.F.Sc.) in disciplines of Aquaculture, Fishery Biology, Fish Processing, and Fishery Hydrography; and Doctorate programmes in Aquaculture, Fishery Biology and Fish Processing Technology. By academic standards and availability of essential infrastructure facilities, the College had been rated as one of the best among all the Fisheries Colleges in India. Our students have always occupied the top ten positions in national competitive examinations, and in fisheries and aquaculture scientist recruitments. As the College has been transformed to a University, the academic pattern has changed, and seven Schools under two Faculties of Fisheries and Ocean Studies have been proposed, and are under the process of streamlining. The present annual output of students is 50 under B.F.Sc., 15 under M.F.Sc., and 6 under PhD, which is expected to be enhanced to a total of around 1000 in another two years by initiating new courses. The University is continuing the ongoing academic cooperation with the Pukyong National University, Korea for staff and student exchange programmes.

Optimization of seed production and grow-out technologies for economically important aquatic species

The inherent advantage of College of Fisheries (presently Kerala University of Fisheries and Ocean Studies) lies in a strong infrastructure and technical personnel available for propagation (seed production and farming) of many commercially important aquatic species in India. There is also a well-established disease diagnostic laboratory, and an upcoming Aquaculture Genetics Laboratory. Using these strengths and the technical proficiency of the proposed EU partner(s), a cooperation strategy aimed at optimization of some of the commercially important aquatic species of finfish and shellfish could be drawn out for mutual benefit.

Innovative aspects and main advantadges / benefits:

The College of Fisheries was successful for the first time in India to develop a cost-effective technology for the seed production of giant freshwater prawn (Macrobrachium rosenbergii) based on which most of the commercial prawn hatcheries in India currently operates. The College has technical backup for producing the seed of several other aquatic species, and has a full-fledged hatchery for freshwater prawn, freshwater culture fish, and ornamental fishes. About 80 hectares of farm area are available for farming fresh and brackish water finfish and shellfish. The dedicated shore lab can be used for seed production and rearing of marine species.

There are several opportunities arising from this strength and various management strategies, including the application of biotechnologies could be planned for optimization of commercially farmed aquatic species which are of interest to India and the Europe. The emerging microbial applications in aquaculture such as the Bio-floc technology have yet to be successfully attempted in Indian conditions. Another opportunity for cooperation is the case of many indigenous aquatic species available in the rivers of Kerala, which are in danger of extinction due to various natural and anthropogenic factors and that need urgent action for conservation of the available natural stocks. Important areas to be focused thus may include genetic characterization of farmed and wild species, studying the levels and patterns of genetic diversity in the wild stocks of aquatic species, genetic improvement by selective breeding, hybridization and marker assisted selection; disease diagnostics and health management, etc.

Profile: ***120***

Kerala University of Fisheries and Ocean Studies

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www	www.kufos.ac.in	
Org. Type (Size)	University (101-250)	

Contact Person	
Title	Dr.
Position	Assistant Professor
Name	**SALINK R**

Area of activity

- Biotechnology
- Health
- Other: Fisheries, Aquaculture

Short description of company

The Kerala University of Fisheries and Ocean Studies (KUFOS) is a young University formed in 2011, by elevating the College of Fisheries, Panangad (hitherto under the Kerala Agricultural University) by a State (Provincial) Act by the Government of Kerala, India. The College of Fisheries started functioning in 1979 in the State Agricultural University pattern and was among 17 other Colleges in India imparting instructions in fisheries and aquaculture. The College offered undergraduate (Bachelor of Fisheries Science - B.F.Sc.); and postgraduate courses including Master of Fisheries Science (M.F.Sc.) in disciplines of Aquaculture, Fishery Biology, Fish Processing, and Fishery Hydrography; and Doctorate programmes in Aquaculture, Fishery Biology and Fish Processing Technology. By academic standards and availability of essential infrastructure facilities, the College had been rated as one of the best among all the Fisheries Colleges in India. Our students have always occupied the top ten positions in national competitive examinations, and in fisheries and aquaculture scientist recruitments. As the College has been transformed to a University, the academic pattern has changed, and seven Schools under two Faculties of Fisheries and Ocean Studies have been proposed, and are under the process of streamlining. The present annual output of students is 50 under B.F.Sc., 15 under M.F.Sc., and 6 under PhD, which is expected to be enhanced to a total of around 1000 in another two years by initiating new courses. The University is continuing the ongoing academic cooperation with the Pukyong National University, Korea for staff and student exchange programmes.

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Innovative aspects and main advantadges / benefits:

The College of Fisheries was successful for the first time in India to develop a cost-effective technology for the seed production of giant freshwater prawn (Macrobrachium rosenbergii) based on which most of the commercial prawn hatcheries in India currently operates. The College has technical backup for producing the seed of several other aquatic species, and has a full-fledged hatchery for freshwater prawn, freshwater culture fish, and ornamental fishes. About 80 hectares of farm area are available for farming fresh and brackish water finfish and shellfish. The dedicated shore lab can be used for seed production and rearing of marine species.

There are several opportunities arising from this strength and various management strategies, including the application of biotechnologies could be planned for optimization of commercially farmed aquatic species which are of interest to India and the Europe. The emerging microbial applications in aquaculture such as the Bio-floc technology have yet to be successfully attempted in Indian conditions. Another opportunity for cooperation is the case of many indigenous aquatic species available in the rivers of Kerala, which are in danger of extinction due to various natural and anthropogenic factors and that need urgent action for conservation of the available natural stocks. Important areas to be focused thus may include genetic characterization of farmed and wild species, studying the levels and patterns of genetic diversity in the wild stocks of aquatic species, genetic improvement by selective breeding, hybridization and marker assisted selection; disease diagnostics and health management, etc.

Profile: ***121***

National Centre for Biological Sciences, Tata Institute of Fundamental Research

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Phone	+919945322058	
Email	vijay@ncbs.res.in	
www	www.ncbs.res.in	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Professor
Position	Professor and Director, NCBS
Name	**Krishnaswamy (Vijay) Vijay Raghavan**

Area of activity

- Biotechnology

Short description of company

The National Centre for Biological Sciences (NCBS, www.ncbs.res.in), located in Bangalore, is part of the Tata Institute of Fundamental Research. The mandate of NCBS is fundamental research in the frontier areas of biology. Our research interests range from the study of single molecules to ecology and evolution. In addition we engage in a number of collaborative initiatives, such as the development of a new institute of the Department of Biotechnology inStem. Research at NCBS uses experimental and computational approaches to the study of molecules, cells and organisms. We aim to understand biology at each of these levels to advance an integrated view of life processes. While the mandate of NCBS is the study of biology, we realize that success requires research problems to be approached from a variety of directions. We therefore have recruited, and encourage applications from, researchers with a variety of backgrounds in the natural sciences, mathematics and computer science. Biological problems not only require multiple approaches for their solution, but also need researchers of varied expertise to collaborate. Collaboration at every level—within NCBS, within the country and internationally—is strongly encouraged. Our research groups are small and with specific strengths that make interactions with complementary groups fruitful. Our facilities and equipment are accessible, well managed, used optimally and allow most kinds of modern research in modern biology to be conducted in- house. Where large- scale facilities are required for specific projects we encourage the use of national and international resources and collaborative arrangements. Well- qualified and trained staff manages our facilities and equipments.

Students, research fellows, and post- doctoral fellows are the strength of our research community and keep the environment vibrant and young as do a range of laboratory and lecture courses, seminars, symposia and meetings, with speakers, teachers and participants from all over the world. Academic programmes can lead to a Ph.D. or other degrees, awarded by the Tata Institute of Fundamental Research. NCBS's main campus is in Gandhi Krishi Vigyan

Kendra (GKVK) on Bellary Road, in the north of Bangalore. The campus has accommodation for students, visitors and faculty and facilities for child- care , sports and recreation. Another campus, close by and which continues to be developed, has additional student accommodation.

Possibilities for cooperation of Indian Life Sciences Laboratories with the EU

With the rapid growth of Life Science reserach in India, international connectivity has also increased. The many possibilities that are now available can be discussed.

Innovative aspects and main advantadges / benefits:

Profile: ***122***

National Centre for Cell Science

Address	Pune University Campus, Ganeshkhind 411007 - Pune	**India**
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Email	shekhar@nccs.res.in	
www	www.nccs.res.in	
Org. Type (Size)	Research Organisation (101-250)	

Contact Person	
Title	Dr
Position	Director
Name	**Shekhar Mande**

Area of activity

- Biotechnology: Computational Systems Biology, Structural Biology

Short description of company

National Centre for Cell Science, Pune, India is a frontline research Centre in India engaged in research in modern cell biology. Set up as an autonomous Centre under the Department of Biotechnology, Ministry of Science and Technology, it is located on the serene campus of the Pune University. In its 25 years of existence, it has excelled in a variety of different areas including infection and immunity, cancer biology and stem cells. The Centre is now looking to expand its activities to embrace emerging areas such as Chemical Biology and Systems Biology.

Tropical Diseases

We are attempting to address problems related to the biology of Mycobacterium tuberculosis by computational and structural biology. We seek this through exploitation of a large amount of data that is available in the sequence and structural databases. Further, we have also undertaken structural analysis of a number of proteins and protein:protein complexes, undertaken screening of chemicals against these chosen targets by NMR-based methods and computational approaches. A number of workshops are being organized to train young people in these areas.

Innovative aspects and main advantadges / benefits:
We exploit the advantage of clinical data available in India and the expertise available in the laboratories at four PI's at Hyderabad, Oeiras, Valencia and Lisbon. The experimental data combined with the computational approaches will lead to bettter understanding of TB.

Profile: ***123***

National Chemical Laboratory

Address	Dr. Homi Bhabha Road	**India**
	411 008 - Pune	
Phone	+91 20 25902347	
Email	sn.nene@ncl.res.in	
www	http://www.ncl-india.org	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Dr.
Position	Scientist
Name	**Sanjay Nene**

Area of activity

- Biotechnology
- Other: My personal interest is in the concept of Biorefinery, i.e using plantation crops for value addition to give food ingredients, chemicals and energy. I also work in the area of biofuels

Short description of company

National Chemical Laboratory (NCL), Pune, was established in 1950 as a constituent laboratory of the Council of Scientific and Industrial Research (CSIR). with their headquarters in New Delhi, India. It is a science and knowledge based research, development and consulting organization, known for its excellence in scientific research in Chemical Sciences, Life Sciences and Engineering. The major focus areas of research are organic chemistry, bioorganic and biomimetic chemistry, heterogeneous and homogeneous catalysis, theory and computational science, polymer and materials modeling, polymer science, complex fluids and polymer engineering, fluid modeling and computational fluid dynamics, microbial technology, structure-function and crystallography of biomolecules, agricultural biotechnology and plant tissue culture, materials chemistry, nanomaterials, chemical engineering sciences and process design and development. NCL's human resources comprise of over 900 people of which 350 are scientific and technical personnel with advanced degrees in science, technology or engineering. In addition, over 400 students pursue their doctoral research at NCL leading to a Ph.D. Degree.

Valorization of traditional Indian fruit wastes and their use as feed ingredients in the diets of cattle and poultry

Currently the fruit processing industry in India is in its infancy. It is important to realize that as the scale of processing of fruits increases, their by-products/ processing wastes merit detailed examination for value addition, especially in the view of the low quality of fodder that is fed to most Indian cattle. This will have an impact on both animal nutrition and the price of feed, which are currently a major concern.Evaluating different fruit processing wastes and developing feed ingredients that benefit the nutrition of Indian cattle would be the main objective of this effort.

Profile: ***124***

NATIONAL INSTITUTE OF IMMUNOLOGY

Address	ARUNA ASAF ALI MARG 110067 - NEWDELHI	**India**
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Email	somapatnaik@gmail.com	
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Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Dr
Position	Research Associate
Name	**SOMA PATNAIK**

Area of activity

- Biotechnology
- Health

Short description of company

The National Institute of Immunology (NII) is an autonomous institution supported by the Department of Biotechnology, Government of India. The Institute is committed to advanced research addressing the basic mechanisms involved in body's defence, host-pathogen interactions and related areas with a view to contribute to the creation of an internationally competitive intellectual knowledge base as a sustainable source of innovative futuristic modalities of potential use in health care.

1. Research Associate at National Institute of Immunology (NII), Delhi

Aug 2009 - Present

At NII, I am working on developing biodegradable polymeric scaffold for application in wound healing. As an aseptic environment is imperative for faster healing of wounds the aim has been to develop a scaffold that will act as artificial skin having antibacterial property. Presently, the laboratory has a US Patent Application 20100233277 that describes formation of scaffold from biodegradable Poly lactic acid (PLA). At present, we are trying to improve the property of scaffold further. I have encapsulated antibiotics in the scaffold and studied the in vitro release of drug from scaffolds.

2. Research Fellow at Institute of Genomics and Integrative Biology (IGIB), Delhi
Jan 2004 - August 2009

During my doctoral research period, I worked on developing polymeric based nanoparticles for gene delivery. I modified polyethylenimine (PEI) by forming the nanoparticles of the same, using naturally occurring polysaccharides, polyphosphates and crosslinkers synthesized in the laboratory. Nanoparticles were fully characterized for particle size, zeta potential and ability to protect complexed DNA against nuclease. Also, the cellular trafficking of these nanoparticles was studied by CLSM. These nanoparticulate systems exhibited minimal cytotoxicity and improved transfection efficiency compared to those of PEI (b 25kDa) and commercial transfection agents. Also, the biodistribution of the designed nanoparticles was studied in mice. These nanoparticles have the potential to be effective biomolecule-carriers to the tissues/organs in vivo.

Gene Therapy

Efficient Nonviral Vectors in Gene Therapy have been developed based on polymeric cationic system.

Innovative aspects and main advantadges / benefits:
These systems designed are easy to synthesis.
These systems are manifolds better than the commercially available systems.
These Systems have shown to the efficient in expressing Genes in vivo

Profile: ***125***

NEW PUBLIC SCHOOL SAMITI

Address	504/21-D KRISHNA BHAWAN TAGORE MARG DALIGANJ 226020 - LUCKNOW	**India**
Phone	+91-0522-2741216	
Email	leadcsonpss@hotmail.com	
www	www.npss.org.in	
Org. Type (Size)	NGO and CSO (26-50)	

Contact Person

Title	PD
Position	Director Programme
Name	**Shashi Kant Pandey**

Area of activity

- Health

Short description of company

EXPRESSION OF INTEREST

1. Summary and Contact Information:

Name of Proponent Organization:
NEW PUBLIC SCHOOL SAMITI
Registration details
4014/81-82 dated 15 January, 1982 under the Society.
Registration Act-1860
Name of Contact Person for this Proposal:
Mr. S M PANDEY
Address:
504/21D KRISHNA BHAWAN TAGORE MARG DALIGANJ LUCKNOW (UP)
Phone:
0522-2741216/2741219
CELL NUM: 09415135471(MR. S M PANDEY-Founder/Chairman)
Email Contact:
npssskp@gmail.com Or leadcsonpss@hotmail.com

2. Organizational Profile:

About The Organization

New Public School Samiti (NPSS) is a voluntary organization based in Lucknow, the capital of Uttar Pradesh, the most populous state in India. It has been working for over two decades in rural and urban areas for all round development of people with issues like 'literacy', 'women's empowerment', 'micro-credit promotion', providing vocational skills to neo-literates, agriculture development, reproductive and child health (RCH), 'care of the elderly', 'water and sanitation', 'Solid waste management', Disaster management etc. It was established in the year 1981 as a non-profitable and non-political organization and was registered vide numbers – 4014/81-82 dated 15 January, 1982 under the Society Registration Act-1860, 20/3/2004-05 dated 1st May, 2005 under 12A of Income Tax Act-1961 and 136550169 dated 25th June, 2002 under section 6(1) (a) of FCRA 1976 respectively. Its registration was renewed from time to time and the present registration is valid up to 2016. It is working in 09 districts of Uttar Pradesh and one district of Uttarakhand. NPSS has received funding for several government and Foreign projects.

The organization has been assessed as a good & strong people based organization at district & state levels. The organization has been NLSC (National Level Steering Committee) member for European Union sponsored Sodic Land Reclamation Project, chaired by Agriculture Secretary, member of state level population stabilization committee chaired by the chief secretary of UP administration, member of state level empowered action committee chaired by the principal secretary women and child department of U.P., member of state resource group for alternative education chaired by director alternative education U.P. and many others.

VISION

Attainment of a healthy and self-reliant community through the process of nurturing integration, unity, peace and harmony.

MISSION

Sustainable holistic development to ensure improved quality of life of the disadvantaged through literacy and education, health, income generation activities, women empowerment, conservation of environment and inculcation of values and culture.

KEY OBJECTIVES

The main objective of NPSS is to work for the all round socio-economic development of deprived, disadvantaged and marginalized communities, irrespective of caste, creed and costume and develop it in such a way that it may contribute positively and become part of main stream of development. For achieving this objective, the organization has been taking up such projects / Programmes through which disadvantaged/vulnerable sections of the society by their active involvement at all levels may develop confidence and be able to manage their own affairs in such a way that they become self reliant and part of development process.

REQUEST FOR PARTNERSHIP IN "Developing methodology and initial assessment for conducting mapping and size estimation of transgender – hijra populations in India".

REQUEST FOR PARTNERSHIP IN "Developing methodology and initial assessment for conducting mapping and size estimation of transgender – hijra populations in India".

NPSS is working in the following areas:

- Mother NGO Reproductive Child Health; TI Project Unnao, Link Worker Scheme-Gonda
- Mother and Child Health;
- Child development activities such as – education, street children and child health;
- Community mobilization;
- Preparation of literacy literatures on literacy, health, child development & women empowerment.

Innovative aspects and main advantadges / benefits: Awareness on hiv/aids mnong gen. population

Profile: ***126***

Nizam's Insitute of Medical Sciences

Address	Punjagutta 500082 - Hyderabad	**India**
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Email	b_rupam@hotmail.com	
www	nims.ap.nic.in	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Professor
Position	Professor of Neurology, Head Unit II
Name	**Rupam Borgohain**

Area of activity

- Health: Movement disorder neurologist - collaborate with other specialists in Neurology including Cognitive and Behaioural, Neuromuscular, Epilepsy and Stroke.

Short description of company

Nizam's Institute of Medical Sciences is a medical university and is the premier institute for medical sciences in the state of Andhra Pradesh in India. It's main focus is on patient care, teaching and research. It is a large hospital of around 1000 beds and has a heavy neurological load with around 250-300 neurological patients attending the out-patient department. It has neurological faculty in subspecialities such as movement disorders, stroke, neuromuscular disorders, epilepsy and cognitive and behavioral neurology.

*Profile: **127***

Nizam's Institute of Medical Sciences

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Contact Person	
Title	Dr
Position	Associate Professor
Name	**Praveen Ankathi**

Area of activity

- Health

Short description of company

Nizam's Institue of Medical Sciences is a medical University and a speciality hospital with multiple specialities. It offers superspeciality care and is one of the best universities offering multispeciality courses for various doctors- including MD, MS, DM and MCh courses. Department of Neurosurgery offers various surgical therapies including new modalities like steretactic surgeries and is one of few hospitals in India to run a full fledged deep brain stimulation programme for Parkinsons's disease patients

Neurosurgery-newer modalities of treatment for Parkinsons disease

We have a full team of dedicated neurosurgeons and neurologists running deep brain stimultaion for Parkinsons disease and we look into the treatment of various aspects of Parkinsons disease patients. We are trying to study the effect of deep brain stimulation on motor and non motor aspects of the disease

Profile: ***128***

R Thirupura Sundari

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Email	sundari@cdac.in	
www	www.cdacnoida.in	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	PG
Position	GC Data Centre
Name	**Thirupura Sundari Rajagopalan**

Area of activity

- Other

Short description of company

Communications and Information Technology, Government of India, was set up in March 1988 as India's national initiative for the design, development and delivery of indigenous supercompute The Centre For Development of Advanced Computing (C-DAC), is primarily an R & D institution involved in the design, development and deployment of Advanced Information Technology (IT) products and solutions. C-DAC's operations are mission oriented and driven by its mission objectives.C-DAC has undertaken a number of development projects in the area of Electronics and Information Technology, which have been assigned and sponsored by the Department of Information Technology, Department of Official Language (DOL), Department of Science & Technology (DST) & the Department of Scientific and Industrial Research (DSIR).As part of its business activities, C-DAC has executed projects, which are broadly categorized in the areas of:-· High Performance Computing· Internet and Networking· e-Governance· Geomatics· Banking and Finance· Power & Telecom· Medical Informatics

Profile: ***129***

Saurashtra University

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Email	amgosai@sauuni.ernet.in	
www	www.saurashtrauniversity.edu	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Dr.
Position	AP
Name	**Atulgiri Gonsai**

Area of activity

- Other: Computer science and networking

Short description of company

My University is public university funded by state government. It was established in 1962. It has various departments about 27. The stength is computer science,pharmacy, bioscience

Joint research collaboration

we have collaboration with univerity of lincoln UK and we want to further start new venture

Profile: ***130***

Society For Applied Microwaves Electronic Engineering and Research (SAMEER)

Address	IIT Campus, Powai 400076 - Mumbai	**India**
Phone	+912225727107	
Email	rharsh@hotmail.com	
www	www.sameer.gov.in	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Masters
Position	Scientist-E
Name	**Rajesh Harsh**

Area of activity

- Biotechnology
- Health
- Other: Radio Frequncy, Microwaves based systems for medical applications and agriculture/food sectors such as Linear Accelarators (Medical LINACS) for cancer treatment, Dielectric Heating equipments etc.

Short description of company

SAMEER was set up as an autonomous R & D laboratory at Mumbai under the then Department of Electronics, Government of India with a broad mandate to undertake R & D work in the areas of Microwave Engineering and Electromagnetic Engineering Technology. It is an offshoot of the special microwave products unit (SMPU) set up in 1977 at the TATA INSTITUTE OF FUNDAMENTAL RESEARCH (TIFR), Mumbai. SAMEER, Mumbai was setup in 1984.
Mumbai Centre specializes in the area of Linear Accelerator Technology for Cancer Therapy, Opto-Electronics, Microwave and Radio Frequency Systems and Sub-Systems and Components. It undertakes and executes sponsored projects for various Government agencies, Public Sector Undertakings and Industries.
The Major Disciplines are:
Radar based systems for Atmospheric Probing
Linear Accelerators (LINAC)
EMI/EMC design and measurements
Integrated Opto-Electronics
Industrial Applications of RF & MW
Wireless Communications
High Power Amplifiers

Meteorology Software
RF & Microwave Subsystems

Dielectric processing of Agriculture produce

Postharvest losses in India are estimated to be US$ 20 billion per year. In grains, chemical methods are commonly used for disinfection and to reduce postharvest losses. The market for RF drier is bound to grow exponentially as several countries all over the world are in the process of banning the use of chemicals for disinfestation of food due to health hazards. Food safety is a major issue in India as well as all over the world. Foodborne pathogens are usually inactivated by heating the product. In dry products such as spices, the pathogens are more resistant and therefore the food products need to be heated for a long period of time. This results in deterioration of quality.

RF processing of Agro Products

The radio frequency heats products at the molecular level. RF can heat rapidly and volumetrically. Therefore the come-up time is considerably less when compared to conventional heating.Vacuum assisted RF (VRF) processing can be used for rapid heating of food products.VRF drier can also be used for drying agricultural products to increase their shelf life with minimal quality deterioration, when compared to traditional sun drying. With increasing world population, the consumption of food products increases. In dry grains, insects have high moisture. RF can preferentially heat insects much faster than grains. Integrating vacuum to the RF drier reduces the boiling point of water and remove moisture at low temperature without loosing its essential components.

Very much interested in joint collaborative programme in this field.

Profile: ***131***

Society for Innovation and Development

Address	Indian Institute for Science 560012 - Bangalore	**India**
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Email	gayathri.arakere@gmail.com	
www	sid.iisc.ernet.in; www.iisc.ernet.in	
Org. Type (Size)	Research Organisation (1-10)	

Contact Person	
Title	Ph.D
Position	Scientist
Name	**Gayathri Arakere**

Area of activity

- Health: Microbiology, Epidemiology, Molecular Biology

Short description of company

Society for Innovation and Development (SID) is one of the Centers operated by Indian Institute of Science (IISc) to promote research and development and also to interact with industry. Indian Institute of Science itself engages in research in Biochemistry, Molecular and Cell Biology, Biophysics, Nanotechnology etc. Our area of interest is Staphylococcus aureus diseases and pathogenesis. SID interacts with Scientists at IISc in the developmen of products which come out of basic research, example in diagnostics, innovative designs etc. SID has many program units each of which revolve around a particular area in which faculty members carrying out basic research in one main area have joined hands for developmental work.

Pathogenesis of Staphylococcus aureus

We are a small organization and coperation takes the projects much further. I have been coperating with Swedish scientists as I have a grant from Swedish international agency and it has been very fruitful. Prof. anna Norrby-Teglund and Mattias Swenson are non funding partners in the NPP project also and we are all working together and thinking of new projects together.

Profile: ***132***

Society for Innovation and Development

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Org. Type (Size)	Research Organisation (1-10)	

Contact Person	
Position	Junior Research Fellow
Name	**Sushma Prabhakara**

Area of activity

- Biotechnology

We work on epidemiology of Staphylococcus aureus. Currently working on the elucidation of Virulence factors of S.aureus

Short description of company

Our mission is to enable India's innovations in science and technology by creating a purposeful and effective channel to help and assist industries and business establishments to compete and prosper in the face of global competition, turbulent market conditions and fast moving technologies. We are also working on diagnostics of Staphylococcus aureus.

Profile: ***133***

Suthindhiran

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Org. Type (Size)	University (250+)	

Contact Person	
Title Position	Assistant Professor
Name	**Krishnamurthy Suthindhiran**

Area of activity

- Biotechnology

Short description of company

An Institute Par Excellence VIT University, established under Section 3 of the University Grants Commission (UGC) Act, 1956, was founded in 1984 as a self-financing institution called the Vellore Engineering College. The Union Ministry of Human Resources Development conferred University status on Vellore Engineering College in 2001. The University is headed by its founder and Chancellor, Dr. G. Viswanathan, a former Parliamentarian and Minister in the Tamil Nadu Government. In recognition of his service to India in offering world class education, he was conferred an honorary doctorate by the West Virginia University, USA. Sankar Viswanathan, G.V. Sampath, Sekar Viswanathan and G.V. Selvam are the Vice-Presidents; Dr. V. Raju is the Vice-Chancellor and Dr. Anand A. Samuel and Dr. S. Narayanan are the Pro-Vice-Chancellors.Quick Facts

In 2011, 1,60,324 students appeared for the VIT Engineering Entrance Examination (VITEEE)

The institution offers 18 undergraduate and 34 postgraduate programmes.

Programmes at VIT are accredited by National and International agencies such as NBA, NAAC, IET (UK), Energy Institute (UK)

B.Tech in Mechanical Engineering, Civil Engineering and Electronics and Communication Engineering programmes offered at Vellore campus are accredited by the Engineering Accreditation Commission of ABET. B.Tech in Computer Science Engineering is accredited by Computing Accreditation Commission of ABET III Market Place, Suite 1050, Baltimore, MD 21202 – 4012, USA

VIT has been given Most Favored status by TCS, Wipro, Infosys, Cognizant, etc.

A 350-acre eco-friendly campus with over 50.83 lakh sq.ft. built-up space at Vellore.

A 150-acre eco-friendly second campus at Chennai
Over 19,600 students, nearly one-third of them women
Students from 47 countries as well as from every state in India.
Over 1100 faculty and 1275 staff.
Entered the Limca Book of Records for Campus Recruitment
School of Bio Sciences and Technology. The School of Bio Sciences and Technology offers undergraduate, post graduate and doctoral courses in the fields of Biomedical Engineering, Medical Genetics, Applied Microbiology, Biotechnology, Bio-informatics. The School consists of 8 divisions headed by experienced professors and faculty members. These divisions are: Bioinformatics, Biomedical Engineering, Biomolecules and Genetics, Bio medical Sciences,Environmental Biotechnology, Industrial Biotechnology, Medical Biotechnology, and Plant Biotechnology. Courses Offered
The school offers four Undergraduate (B.Tech.) and five Postgraduate (M.Sc. & M.Tech.) programmes.
Besides the School also offers M.S. & Ph.D. programmes in research.
The syllabus of each of the above programmes covers the latest developments in the respective streams and has been designed, based on market needs, whereby employability, developing skills as entrepreneur and grooming students as young scientists are the major priorities. Our efforts are strengthened by collaboration with National and International level institutes and multinational companies, as well as with visiting scientists. Healthy interaction between academia and biotech industry is consistently promoted in the School. Additionally, contract research and commercialisation of products developed at the university are undertaken as a part of the various programmes. The School has taken up a few research programmes in the fields of Microbiology, Medical genetics, Biotechnology, Biochemistry, Bioinformatics, Biomedical Engineering and other branches of Biomedical Sciences. Thus, the School has really grown into a major centre of higher education and research in the above fields in this part of the world. An important feature in the academic activity of SBST is its strong linkage with many national institutions such as Defence Bioengineering and Electro Medical Laboratories, Bangalore; Central Scientific and Instrument Organization, Chandigarh; Institute of Nuclear Medicine and Allied Sciences, Delhi; Christian Medical College (CMC), Vellore, Nicholas Piramal Laboratories, Mumbai; etc. Scope for Employment
Placement across industries such as pharma, biotech and genetics
Large companies in India and abroad
In Research institutions
Funded Projects The School has funded projects from Government departments namely, DBT, DRDO & DST as well as from core industries.

Research Interests:
"Unearthing oceans and extremophilic microbial diversity for human betterment"
Marine microbial diversity
Marine actinomycetes diversity and discovery of new chemotherapeutic agents
Diversity of magnetotactic bacteria from Indian coast to exploit them for the production of magnetosomes
Diversity of marine microalgae for production of biofuels and other bioproducts
Diversity of marine Shewanella for production of bioelectricity.
Diversity of microbial symbionts associated with sponges

Marine symbionts as sources of novel bioactive compounds with pharmaceutical potential
Marine molecular microbiology
Search of enzyme inhibitors from marine derived compounds using bioinformatics tools.
To translate the results of basic laboratory research into more effective applications.
My research is focused on all aspects of microbial diversity from marine ecosystem and its applications for human benefit. It is believed that life is most likely begun in the oceans and microbes create the suitable conditions for the ecological succession to takes place. Given the importance of microorganisms for its adaptations to extreme environments and to produce novel chemical compounds, research on marine microbial diversity has enormous scope. This research includes the studies on diversity of microorganisms for its structural, functional and evolutionary importance.

Our lab studies the marine microbial diversity using two approaches
1. Cultivation-dependent, where we isolate, maintain, and characterize the major microbial species from the southern coast of India. The microbial strains were then screened for its biological activity and chosen for further research.
2. Cultivation independent method uses metagenomics approach, where the DNA is directly isolated from the environmental samples collected from the southern Indian coast; DNA is cloned, sequenced and gene libraries are made. From the libraries, the structural and functional importance of genes is investigated.

So far we have isolated several novel actinomycetes, Shewanella, Bacillus strains and unidentified magnetotactic bacteria from the marine and exploited for the drug discovery, biofuel production, bioremediation etc., We have already isolated approximately 25 algal species from southern coast of India and being investigated for biofuel production.

Our research also investigates the chemical diversity found in novel marine microorganisms and selected marine invertebrate, particularly sponges which could be used as an anti-cancer drug. The specific aim of this study is the isolation and characterization of pharmacologically-novel anti-tumor agents. The overall goal of this project is to develop new anticancer drugs with novel mechanisms of pharmacological action, and with high selectivity towards the most recalcitrant forms of cancer. With this objective, we have already isolated 3 novel strains of actinomycetes from the southern coast of India, among them two strains produces a potential anticancer compound. The strain VITSDK1 produces an anticancer compound which is found to be new chemical identity. In the continuation of this work, we are studying the mechanism of the compounds in selective inhibition of cancer or diseased cells.
Innovative aspects and main advantadges / benefits:

We have enough man power and infrastructure to carry out the research work. We are now concentrating on the Southern Coast of India as it is less exploited region.
We already have a funded project from DBT for the diversity studies on marine algae.
Current reserach resulted in novel species of actinomycetes and some unidentified strains of magnetotactic bacteria.

Profile: ***134***

Tata Memorial Hospital

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Org. Type (Size)	Governmental body (101-250)	

Contact Person	
Title	Dr
Position	Associte Professor, Department of Radiation Oncology
Name	**Dr Umesh Mahantshetty**

Area of activity

- Health: Activley involoved in research projects on treatment of Cervical Cancers

Profile: ***135***

The Maharaja Sayajirao University of Baroda

Address	Fategunj	**India**
	390002 - Vadodara	
Email	misraan@hotmail.com	
www	http://www.msubaroda.ac.in/	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Professor
Position	Professor
Name	**Ambikanandan Misra**

Area of activity

- Biotechnology
- Health: Drug delivery technology

Short description of company

Ours is a university providing education to the students having student strength of about 40,000. We have engaged both classroom teaching to reaserch.

The Maharaja Sayajirao University of Baroda

His Highness the Maharaja of Baroda is the Chancellor of the University. The Vice-Chancellor is the principal executive and academic officer of the University and is to be assisted in his work by Pro-Vice Chancellor or a Rector. The Senate is the supreme governing body and authority of the University and the Syndicate, its executive authority. Among the other authorities of the University is the council of Postgraduate Studies and Research which has to deal with all matters relating to instruction, training and research in the various subjects taught in the University. The other authorities of the University are the Faculties and the Boards of Studies there under, which are principally responsible for making recommendations in the matter of the course of studies, textbooks and generally on academic matters. The Act deals with the residence of the students and lays down that all students of the University should reside in the hostels of the University or under conditions laid down by the relevant Ordinances. Provision has also been made in the Act for the establishment of a Board of Extra-mural Studies, a students' Welfare Board, a Publications Board and such other Boards as may be prescribed by the Statutes. Besides the usual Faculties of Arts, Science, Commerce, Medicine, Technology and Engineering, Law and Agriculture, the University is authorized to institute new Faculties of Education and Psychology, Home Science, Fine Arts and Social Work.

Department of Biotechnology, Government of India has instituted center “Interdisciplinary Life Science Programme for Advance Research and Education” and university is actively involved in life science research

Profile: ***136***

University of Hyderabad

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Org. Type (Size)	University (250+)	

Contact Person	
Title	Dr
Position	Professor of Biochemistry
Name	**Chanchal K Mitra**

Area of activity

- Biotechnology
- Health

Short description of company

The University of Hyderabad is a premier university of teaching and research in country, was established by an Act of Parliament (Act No. 39 of 1974) on 2nd October, 1974 as a Central University, Wholly financed by the University Grants Commission (Ministry of the Human Resource Development, Govt of India). The "objects of the University" as envisaged in the Act are:" to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit.

Nanotechnology and Biotechnology together can change healthcare

Biotechnology and bioinformatics has been enbraced by the industry to provide improved healthcare but nanotechnology, the new kid on the block, has been relatively ignored. However, the progress in nanotechnology has been relatively fast and new possibilities, i.e., possible roles in healthcare, appear almost every other week. We seek cooperation in the nanotechnology and bioinformatics area in the broad areas of (i) personalized medicine (ii) broad base personalized diagnostics tools.

Innovative aspects and main advantadges / benefits:

We have been working in the broad area of bioinformatics and nanotechnology (possible and potential application in biosensors) for many years and nanoparticles can be useful in the following areas:

(i) drug delivery

(ii) biosensors

(iii) targeting

The ideas are old but we are confident that we can make them work.

Profile: 137

University of Hyderabad, Hyderabad, India

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Org. Type (Size)	University (250+)	

Contact Person	
Title	Dr.
Position	Reader
Name	**Sharmistha Banerjee**

Area of activity

- Biotechnology

Short description of company

The University of Hyderabad (UoH), one of the major institutions of higher education in India is largely devoted to postgraduate studies and is widely known for its excellence in research and for its distinguished faculty.
The Department of Biochemistry offers highly competitive and popular courses in Biochemistry. The importance of biochemical basis of the living organisms is emphasized supported by meticulous training in experimental skills to enable the students to pursue research in frontier areas of Biology. At present, the Department carries out research in the areas of Molecular Biology, Neurobiology, Immunology, Molecular Biophysics, Bioenergetics, Protein Biochemistry, Molecular virology, Molecular genetics and Drug design. In recognition of the research accomplishments, the University Grants Commission, India has sanctioned a Special Assistance Programme (DSA Phase III 2002-2007) and COSIST in the areas of Molecular Biology and Neurochemistry. The Department has also been supported by a grant from the Department of Science and Technology, India for infrastructure facilities under the 'FIST' programme.

Molecular pathogenesis and immunology of Mycobacterium tuberculosis (M.tb) and M.tb-HIV co-infection

Innovative aspects and main advantadges / benefits:

I am currently working as Reader in the Department of Biochemistry, School of Life Sciences, University of Hyderabad, Hyderabad, India. My laboratory works on molecular pathogenesis and immunology of Mycobacterium tuberculosis (M.tb) and M.tb-HIV co-infection. The long term objective of my laboratory is to understand the basic biology behind

the cooperativity between Mycobacteria and HIV, understand the molecular basis of pathogenesis of mycobacterial infections and identify host factors associated with M.tb and M.tb-HIV co-infection. One of the developing concerns in infection biology is the deadly synergism between Mycobacterium tuberculosis (M.tb), the tuberculosis (TB) causing bacterium and Human Immunodeficiency virus (HIV) making these diseases more destructive together than either alone. The fact that M.tb infection advances more rapidly to TB disease in HIV infected people may also lead to rapid expansion of drug resistant TB. Yet another challenge is the emergence of TB related Immune Reconstitution Inflammatory Syndrome in M.tb-HIV co-infected patients. Presently, the following inter-related themes are under investigation in my laboratory – differences in gene regulation and protein expression in mycobacteria under both mono- and co-infection with HIV and understand the host-pathogen interactions to ascertain how these pathogens, when single or in combination, evade host defenses and cause disease.

These studies would be further exploited to identify immune activation markers and identify novel targets for interventions and disease management in TB and TB-HIV co-infections.

Profile: ***138***

Vellore Institute of Technology

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Contact Person	
Title	Dr
Position	Assistant Professor
Name	**RituraJ Purohit**

Area of activity

- Biotechnology
- Other: Bioinformatics

Short description of company

VIT University was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set at VIT in the field of teaching and research spur us on in our relentless pursuit of excellence. In fact, it has become a way of life for us. The highly motivated youngsters on the campus are a constant source of pride. Our Memoranda of Understanding with various international universities are our major strength. They provide for an exchange of students and faculty and encourage joint research projects for the mutual benefit of these universities. Many of our students, who pursue their research projects in foreign universities, bring high quality to their work and esteem to India and have done us proud. With steady steps, we continue our march forward. We look forward to meeting you here at VIT. It has been the constant aim of VIT University to incorporate features of excellence in its campus. Every effort is made to improve the existing best practices in these fields. The Management and staff at VIT take great care to ensure that the Institute serves as an exemplary role model for other educational institutions across the country. VIT has not only accommodated these features of excellence, but it has also added value to them by matching them with the expectations of the resident student community and the staff. VIT's position of excellence among educational institutions in India is primarily because of these unique features. Vision We at VIT University will impart futuristic technical education and instil high patterns of discipline through our dedicated staff, who shall set global standards, making our students technologically superior and ethically strong, who in turn shall improve the quality of life of the human race.
Mission Our mission is to educate students from all over India, including those from the local and rural areas, and from other countries, so they become enlightened individuals, improving the living standards of their families, industry and

society. We will provide individual attention, world-class quality education and take care of character building. Quality Policy We at VIT University aspire to establish a system of Quality Assurance, which would on a continuous basis evaluate and monitor the quality of education and training imparted at the Institute, improve the teaching-learning process and ultimately, develop the Institute as a Centre of Excellence.

Protein simulation

Currently working on HIV-protease resistance mutant and inhibitors,Aspect of Molecular Dynamics simulation.

Profile: ***139***

Advanced Research Centre for Health, Environment and Space (ARCHES)

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Org. Type (Size)	Research Organisation (1-10)	

Contact Person	
Title	Doctor
Position	Project Manager
Name	**VINCENT AROULMOJI**

Area of activity

- Biotechnology
- Health

Short description of company

ARCHES mission is to actively contribute to the advancement of knowledge, and to the development and implementation of EU policies for research and innovation. The Centre aims above all at the creation of knowledge by establishing collaborations with universities and research centres and by promoting the training of young scientists. It also promotes the recognition of female talent in science and the career of women in scientific research. ARCHES also acts as a flexible and reliable interface between academia and industry to promote the effective transfer of knowledge and technology in Europe. Recently, it has established a series of collaborations with Indian academic centres of the Tamil Nadu State.

Profile: ***140***

Advanced Research Centre for Health, Environment and Space (ARCHES)

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Org. Type (Size)	Research Organisation (1-10)	

Contact Person	
Title	Dr
Position	Managing Director
Name	**Renato Toffanin**

Area of activity

- Biotechnology
- Health
- Other: renewable energies

Short description of company

ARCHES mission is to actively contribute to the advancement of knowledge, and to the development and implementation of EU policies for research and innovation. The Centre aims above all at the creation of knowledge by establishing collaborations with universities and research centres and by promoting the training of young scientists. It also promotes the recognition of female talent in science and the career of women in scientific research. ARCHES also acts as a flexible and reliable interface between academia and industry to promote the effective transfer of knowledge and technology in Europe. Recently, it has established a series of collaborations with Indian academic centres of the Tamil Nadu State.

Quantitative MRI and NMR-based metabolic profiling of patients with osteoporosis and other bone disorders

Osteoporosis is a systemic disease characterized by low bone mass and microarchitectural deterioration of bone tissue, resulting in an increased risk of fracture. While the level of bone mass can be estimated by measuring bone mineral density (BMD) using dual X-ray absorptiometry (DXA), its measurement does not capture all the risk factors for fracture. Evaluation of specific magnetic resonance (MR) parameters of the trabecular bone holds great potential for the accurate clinical assessment of osteoporosis and for the prediction of fracture risk. Nonetheless, standard scan protocols for quantitative MRI are relatively slow and, therefore, not suitable for routine clinical applications. Faster methods would

highly enhance their applicability in the clinical evaluation of patients with osteoporosis and other bone disorders. These methods combined with the metabolic profiling of biological samples from the same patients would enhance their diagnostic and prognostic capabilities also in the case of rare diseases such as osteogenesis imperfecta. Quantitative changes in skeletal turnover can be assessed non-invasively by the measurement of serum and urinary biochemical markers by using different analytical methods. Among these, NMR spectroscopy is probably the most appropriate technique for this kind of studies regardless its lower sensitivity as compared to LC-MS because it allows the study of biological samples without pre-treatment. Biological fluids such as urine or plasma can be analyzed as such in a non destructive way. 1H NMR spectra of biological fluids allows the simultaneous detection and quantification of a large number of small molecules arising from metabolic processes thus giving a global overview of the enzymatic profile of the individuals.

Innovative aspects and main advantadges / benefits: fast quantitative MRI methods can drastically reduce the scan time for measuring the spatial distribution of specific relaxation parameters in trabecular bone. They may become more widely adopted, being applied either with other imaging techniques or in isolation, to better evaluate bone quality, identify early tissue degeneration, predict fracture risk, tailor therapeutic interventions and follow treatment response. NMR-based metabonomic methods can be combined to provide additional information on specific biomarkers to help improve the management of osteoporosis and other bone disorders.

Profile: ***141***

APRE - Agency for the Promotion of European Research

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Org. Type (Size)	Research Organisation (26-50)	

Contact Person	
Position	Project Manager
Name	**Martina Desole**

Short description of company

APRE is a private non-profit research organisation based in Italy that provides information, assistance and training in order to promote Italian participation in European Research and Technological Development programmes.
Created by the Ministry of Research in the year 1990, APRE provides free of charge services include: a help line, organisation of info-days, partner search, web-based information, publications and training sessions (only for APRE's members), assistance in Transnational Technology Transfer . APRE services are ISO 9001:2000 certified.
Hosting several NCP since the FP5, for FP7 APRE is the host organization of all Italian National Contact Points.
APRE has acquired a long practical experience in supporting activities financed by DG Research and DG INF-SO of the European Commission and as a partner in a successive series of international projects.
Since 2000 APRE won several projects (57) co-financed by the European Commission (DG Research and DG Enterprise) such as the following: Multinational stimulation actions, Value, 15 Economic Technological Intelligence (ETI) and 2 Accompanying Measure in FP5, 7 Specific Support Action some of them to improve international collaboration, 12 ETI in FP6, 3 Innov7 and two calls for tender (one in the FP5 and one in the FP6). In particular APRE is partner in several BILAT projects of International Cooperation, such as the bilateral projects with India (EUINEC) and the INCO India (INCO-EUSI), and Coordinator of the Access4EU project INDIA GATE.
Since 2000, APRE is a member of the Central Italy Innovation Relay Center IRC CIRCE where it has developed an excellent expertise in the exploitation of research results and transnational technology transfer activities.
From 2008 APRE is a member of the EEN Enterprise Europe Network, is meant to be a "one stop-shop" service that provides all necessary advice and support to develop business in new markets, source or licence new technologies, access EU finance and EU funding. The network has have more than 580 member organisations across the EU and beyond. They include chambers of commerce and industry, technology centres, universities and development agencies
APRE is also nominated National Contact Point for ICT in the CIP Programme by the Ministry of Innovation and Technologies.

Profile: ***142***

APRE - Agency for the Promotion of European Research

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Org. Type (Size)	Research Organisation (26-50)	

Contact Person	
Name	**Serena Borgna**

Short description of company

APRE is a private non-profit research organisation based in Italy that provides information, assistance and training in order to promote Italian participation in European Research and Technological Development programmes.
Created by the Ministry of Research in the year 1990, APRE provides free of charge services include: a help line, organisation of info-days, partner search, web-based information, publications and training sessions (only for APRE's members), assistance in Transnational Technology Transfer . APRE services are ISO 9001:2000 certified.
Hosting several NCP since the FP5, for FP7 APRE is the host organization of all Italian National Contact Points.
APRE has acquired a long practical experience in supporting activities financed by DG Research and DG INF-SO of the European Commission and as a partner in a successive series of international projects.
Since 2000 APRE won several projects (57) co-financed by the European Commission (DG Research and DG Enterprise) such as the following: Multinational stimulation actions, Value, 15 Economic Technological Intelligence (ETI) and 2 Accompanying Measure in FP5, 7 Specific Support Action some of them to improve international collaboration, 12 ETI in FP6, 3 Innov7 and two calls for tender (one in the FP5 and one in the FP6). In particular APRE is partner in several BILAT projects of International Cooperation, such as the bilateral projects with India (EUINEC) and the INCO India (INCO-EUSI), and Coordinator of the Access4EU project INDIA GATE.
Since 2000, APRE is a member of the Central Italy Innovation Relay Center IRC CIRCE where it has developed an excellent expertise in the exploitation of research results and transnational technology transfer activities.
From 2008 APRE is a member of the EEN Enterprise Europe Network, is meant to be a "one stop-shop" service that provides all necessary advice and support to develop business in new markets, source or licence new technologies, access EU finance and EU funding. The network has have more than 580 member organisations across the EU and beyond. They include chambers of commerce and industry, technology centres, universities and development agencies
APRE is also nominated National Contact Point for ICT in the CIP Programme by the Ministry of Innovation and Technologies.

Profile: ***143***

AREPOsrl

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Org. Type (Size)	Company (1-10)	

Contact Person	
Title	Dr
Position	DG
Name	**David Marini**

Area of activity

- Biotechnology
- Health
- Other

Profile: ***144***

CEI COMPAGNIA ELETTRONICA ITALIANA SRL

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Email	g.scire@cei-xray.it	
www	www.cei-xray.it	
Org. Type (Size)	Company (51-100)	

Contact Person	
Title	DOCTOR
Position	PRESIDENT
Name	**GIUSEPPE SCIRE**

Area of activity

- Health

Short description of company

CEI designs and produces stationary anode x-ray tubes for medical application from 1956. The company is a market leader in this segment and has just opened a JV in Mysore. Our target is to sell x-ray tubes to local manufacturer of x-ray equipments.

New materials in x-ray tubes manufacturing

CEI is looking to cooperate with technical staff and local industry to finalize the purchase of raw material from indian suppliers

Innovative aspects and main advantadges / benefits:

Improve quality, reduces transportation cost

Profile: ***145***

CLASSIS

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Email	STEFANOGIACCONE@CLASSIS-PROJECT.COM	
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Org. Type (Size)	NGO and CSO (1-10)	

Contact Person	
Title	MA
Position	PRESIDENT
Name	**STEFANO GIACCONE**

Area of activity

- Biotechnology
- Other: ICT, Renewable Energies

Short description of company

Classis Project is a tool to support the conservation, enhancement and transmission of international cultural and environmental heritage. The multidisciplinary project is intended as a synthesis between profit and nonprofit entities operating in different sectors of activity, but often complementary, all oriented to the protection and enhancement of cultural and environmental heritage.

Biofrequential diagnosis device

Diagnostic and curative instrument based on use of biofrequences

Innovative aspects and main advantadges / benefits:

-holistic approach to diagnosis and cure

- full exploitation of telemedicine potential

Profile: ***146***

CNR ISMAC

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www	www.ismac.cnr.it	
Org. Type (Size)	Governmental body (250+)	

Contact Person	
Title	Dr
Position	Researcher
Name	**Patrizio Arrigo**

Area of activity

- Biotechnology
- Health

I am bioinformatician.I'm working on heterogeneous data analysis to predict the effect of single nucleotide polymorphism on druge target interaction

Short description of company

The CNR is a government body designated to research. The Institute for Macromolecular Studies (ISMAC) institute is a research structure of Molecular Design Department. Its Headquarter is in Milan. ISMAC has different research area: Optolectronic, NMR, Polymer synthesis. The ISMAC's section in Genoa works on polymer characterization (Dr Paola Stagnaro) and Pharmacogenomics (Dr Patrizio Arrigo). ISMAC essentially a chemist Institute with a very good laboratory facilities such as NMR and other.

ISMAC was formed in 2002 by joining three institutes of CNR involved in research and technologies in the field of synthetic and natural macromolecules (ISMac web homepage) . The Genoa division is composed by the previous Institute of physico-chemical studies of synthetic and natural macromolecules (IMAG), originated in 1994 from the homonymous Centre founded in 1976 by Prof. Corrado Rossi and located at the Institute of Industrial Chemistry, University of Genoa, owing to the research activity of two groups of University and CNR researchers. The first group was a section of the National Centre on Macromolecular Chemistry directed by Prof. Giulio Natta, Nobel prize in Chemistry 1963, and the second one was a section of the National Centre on Vegetable Virus. It comes from the beginning the present interest of ISMac devoted to the physical chemistry of both synthetic and natural macromolecules in the frame of common methodologies. During the years the scientific interest has moved from the study of diluted solutions to condensed systems. At the same time projects on the synthesis of new polymers have been started and are currently in progress and molecular structure and mechanical characterization methods have

been improved. In the field of biopolymers attention has been focused on biostructures, superstructural organization of nucleic acids, on thermodynamics, dynamics and stability of proteins and on the relationship between structure and biological activity. The scientific background of the research groups comprises various fields of macromolecular science; interdisciplinary research projects in chemistry, physics, material science, theoretical modelling and molecular biology are carried out. The studies on new materials involve the preparation of tailor made systems either by direct synthesis or by blending. Theoretical modelling is performed by computational methods and statistical mechanics. The main arguments are the dynamics of polymers and proteins. Molecular dynamics and computer simulations are also carried out. Studies on biostructures are mainly devoted to the understanding of the structure-function relationship in proteins, nucleic acids, cells, membranes and in situ chromatin. Implication of these researches are also evaluated to develop new polymeric materials and human health.

Integrated approaches to predict the effects microRNA SNP on the response to environmental chemical stresses

Environmental genomics is acquiring great relevance in a sustainable development. The evaluation of individual response to environmental stresses,chemical or physical, is important to support the design of preventive policies. In pharmacology genetic variability plays a pivotal to predict severe adverse effect of new lead compounds. In a environmental genomic perspective we can evaluate the influence of individual genetic variability on environmental chemical stresses. We are proposing a collaborative project that allow to study and develop an effcient intgrated worflow to predict the individual response,taking population specific SNP into account, againsts selected group of chemical contaminants. The proposed project combines 'in silico' analysis with 'wet' lab validation. The proposed cooperation will be focused on the interaction with post-transcriptional gene silencing system (microRNA) and with the interplay between post-transcriptional gene silencing system and innate immunity.

Innovative aspects and main advantadges / benefits:

The achievement the proposed aim requires an international cooperation. An international consortium,involving different countries in different continents, allows to better estimate the effects of environmental contaminants on human health. The possibility to compare the infiuence of populatio specific polymorphisms on micrRNA and their prioritized targets could be usefeul to support the harmonization of different regulatory policies.

Profile: ***147***

Department of Chemical, Food, Pharmaceutical and Pharmacological Sciences,Università del Piemonte Orientale "Amedeo Avogadro"

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Org. Type (Size)	University (26-50)	

Contact Person	
Title	Prof.
Position	Associate Professor
Name	**Maria Giovanna Martinotti**

Area of activity

- Biotechnology
- Health: Applied microbiology in pharmaceutical sciences

Short description of company

The Department was established in 1999 and comprises of 37 members of staff and over 50 research workers. It is presently housed in two close-by purpose-restructured buildings in Novara. Undergraduate teaching is centered around the School of Pharmacy, while two Ph.D. programs have been set up to meet the needs of graduate students.
The research activities of the Department embrace most levels of pharmaceutical analysis, from the discovery and characterization of novel molecular targets to pharmaceutical delivery. Critical mass and expertise in food sciences also constitutes one of the strenghts of the department. Although our faculty's research represents traditional fields in the School of Pharmacy, the Department's growth and development in recent years also reflects the revolution occurring in biology and chemistry that benefits from new research approches.
Members of the Department have been successful in securing grants from public and private sources, and national and international organizations. Most of members of the Department also belong to the Drug and Food Biotechnology Center, a multidisciplinary research center that supports, coordinates, advances knowledge and quality education in pharmaceutical and food biotechnology. The intellectual life of the department is further enriched as DISCAFF participates to other interdisciplinary research centers, such as UCADH and to the Consortium TB-DRUG and CSI-LTB funded under the Sixth Framework Programme of the European Community.Indeed, the multidisciplinary nature of the Department offers a unique opportunity to interdisciplinary research.
The Department offers a thriving and enthusiastic environment, not least because of the presence of a high number of

undergraduate and graduate students (over 30 Ph.D. students are at present working in the Department).

Microbial biosurfactants as anti-adhesive and antibacterial products to prevent biofilms formation

Our group of microbiology is particularly involved in the research of lipopeptide biosurfactant molecules able to inhibit biofilm formation by pathogenic bacteria on medical devices. We are looking for research groups or SME interested in this field of research. We have published papers and reviews on this subject and an international patent has been recently deposited and is under reviewing.

Innovative aspects and main advantadges / benefits:

Resistance of biofilms to antibiotics and chemotherapics has increased the importance to find new agents to fight bacterial biofilm formation on medical devices. Biosurfactants are natural molecules produced by microrganisms, they are biodegradable and less prone to induce resistance in the bacterial strains. In particular, lipopeptide mechanism of action against bacterial adhesion and biofilm formation depends on the interaction of micelles with medical devices. Most of these agents aggregate as nanoparticles on surfaces and new innovative medical devices can be elaborated to prevent biofilm formation.

Profile: ***148***

ENEA - Italian National Agency for New Technologies, Energy and sustainable Economic Development

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Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Dr
Position	Responsible International Networking
Name	**Neeta Sharma**

Area of activity

- Biotechnology
- Other: EU-India partnering on Biomass and Biowaste

Short description of company

ENEA is the Italian National Agency for New Technologies, Energy and the Sustainable Economic Development. It is one of the largest scientific and technological state-owned Italian institutions (ca. 3.200 employees) carrying out basic and applied research, innovation technology activities. It disseminates and transfers technologies encouraging their use in productive and social sectors, provides high-tech services, studies, tests and evaluations to both public and private bodies and enterprises. Its activities include research to advance the knowledge, development and transfer of multi-sector enabling technologies aimed at strengthening industrial research. ENEA is a member of several international well-established networks (i.e. EEN - Enterprise Europe Network and TAFTIE - Association of Technology Implementation in Europe), and has documented experience in the organization of international events, conferences and workshops. ENEA has a very long experience in training and educational programs in schools and professional institutes.

ENEA promotes collaboration with the organizations and institutions of other countries in the scientific and technological spheres. The Agency's main initiatives undertaken in various fields, such as: European Union activities: EURATOM; Projects financed by EU Programs; European Technological Platforms; Committees and Groups; Associations and networks; Bilateral Cooperation with 27 bilateral agreements at present, Multilateral Cooperation with 14 agreements in place , IEA; IAEA; OECD; NEA and International Initiatives: EUREKA; ITER; ITPA; CSLF; GIF; IPHE; VAMAS.

Promoting the development of biotechnology applications

UTTRI-BIOTEC carries out RTD&D activities aimed at promoting the development of biotechnology applications, at supporting innovation and competitiveness in the agricultural and agro-industrial sector, and at coping with the problems related to the human and technological impact on health and the environment. The unit has a systemic approach and operates through a network structure, which is especially suited to favour the cooperation between industry and scientific and technological research at the national and international level. The Sustainable development and innovation of the agro-industrial section carries out innovative research activities, evaluation and exploitation of research results. It is also involved in the demonstration and dissemination activities in agro-food projects at international and national level (FP6 "Truefood" and Industry 2015 "Made in Italy" projects), actively participating to the "Communication, Training and Technology Transfer" Core Team of European and Italian Technology Platform "Food for Life" and in establishing networks between universities, research centres, public and private bodies, foundations and communications bodies.

Profile: ***149***

IFOM - FIRC Institute of Molecular Oncology

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Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Position	International Affairs
Name	**Leonardo Biondi**

Area of activity

- Health: Molecular Oncology

Short description of company

IFOM, the FIRC Institute of Molecular Oncology Foundation, is an Italian highly technological, non-profit research centre supported by FIRC, the Italian Foundation for Cancer Research. The research conducted at IFOM aims to understand the molecular processes responsible for the onset and development of cancer.

The aim of IFOM was to create a research environment where scientists from the major National scientific institutions in the Milan area could collaborate and pool their organisational, economical and cultural resources, in order to meet the demands of modern-day science. The creation of this "network" between research institutes was the first of its kind in Italy and has made IFOM an internationally competitive Research Centre in molecular oncology and functional genomics.

IFOM has been recognised as a Centre of Excellence for Research by the Lombardy Regional Council, which also contributed to the realization of the Centre.

Having established a solid base in basic research, IFOM is now concentrating its efforts on translational research, with the goal of promoting the rapid transfer of scientific findings from the laboratory to diagnostic and therapeutic clinical practice. IFOM is adopting a strong international approach, pursued through partnerships with world class research institutes in Singapore and India.

Profile: ***150***

Istituto Nazionale di Geofisica e Vulcanologia

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www	www.ingv.it	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Dr.
Position	Research Director
Name	**Paolo Favali**

Area of activity

- Other: Monitoring systems in Earth and Environmental Sciences, particularly underwtater multidisciplinary observatories

Short description of company

INGV is the largest European institution in Earth Sciences and the most important Italian Public Research Institution in this field. Its main mission is the monitoring of geophysical phenomena in both the solid and fluid components of the Earth. The main fields of activity are addressed in aeronomy, climatology, geochemistry, geomagnetism, remote sensing, seismology, volcanology and environmental studies with particular emphasis on the geohazards. INGV is the reference institution for the Ministry of Research in the field of geohazards and also for the Civil Protection Authority in Italy. Particularly in Ocean Sciences since 1995 INGV has been coordinator of several EU projects on geophysical and environmental monitoring at sea (like GEOSTAR, GEOSTAR-2, ORION-GEOSTAR-3) and/or participated to other EC-projects (like ASSEM, ESONET-CA, KM3NeT-DS, MOMARNET, NEAREST, NERIES). Since 2008 INGV coordinates the Preparatory Phase of EMSO (European Multidisciplinary Seafloor Observatory, www.emso-eu.org) one of the large-scale European Research Infrastructures included in the roadmap of ESFRI. INGV is also coordinator of the Preparatory Phase EPOS (European plate observing System, www.epos-eu.org),started in November 2010, another research infrastructure on the ESFRI list.

Science and technology monitoring systems for geophysical, oceanographic and environmental applications particularly in underwater

Development and scientific use of underwater multiparametric systems able to be used to deep water (4000 m w.d.) devoted to geo-hazards, climate change and marine ecostystems and theri interfaces

Main goals:

- Permanent and temporary ocean networks to be integrated in the existing land-based networks and earth obsertvation by satellites. EMSO is the European example of permanent network.
- Developemnt of novel and innovative devices, platforms, acquisition system and sensors.

Profile: ***151***

Italian National Research Institute on Food and Nutrition, INRAN

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Org. Type (Size)	Research Organisation (101-250)	

Contact Person	
Title	Dr
Position	Food Security Advisor
Name	**Marina Adrianopoli**

Area of activity

- Health: Food and Nutrition Security in Europe, developing countries and countries in transition.

Short description of company

The National Research Institute on Food and Nutrition, INRAN, carries out activities of research, information and dissemination in the food and nutrition branch in order to safeguard the citizens and to improve the agri-food production.

Food and nutrition security

Innovative aspects and main advantadges / benefits:
We work on Micronutrient Malnutrition, Infant and Young Child Feeding, Food Security Nutrition and Livelihoods Assessments, Intervention Studies, Nutrition Education, Public Policy.

Profile: ***152***

Neuropsilab,University of Verona

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Email	nazeemaroja@gmail.com	
www	http://neuropsilab.blogspot.com/	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Ms
Position	Ph.D student
Name	**Muthu Karuppasamy NAZEEMA SHEERIN**

Area of activity

- Health

Short description of company

Neuropsilab is an academic research laboratory under the University of Verona, committed to the development of neuropsychopharmacological research that seeks to provide an understanding of behavioral and molecular mechanisms of neuropsychiatric disorders. Neurosilab has internal research units such as: The abuse liability: abuse liability assessment and consultancy, models and protocols set-up. The preclinical: basic research on molecular, cellular and system correlates of central nervous system adaptation. Biobehavioural: human surveys, psychometric, neurophysiological and behavioral analysis. Idea Translation: healthcare and communication.

Our mission is to create a network where collaborative research, outreach, and education on neuropsychopharmacology can flourish. To fulfill our mission, our objectives are aimed at - promoting neuropsychopharmacological research through up to date program conducted in the academic environment, establishing collaborations with applied and translational research projects at public and private centers, disseminating the findings of neuropsychopharmacological research in the clinic, healthcare and society through social and traditional media and improving the efficacy of outcomes in neuropsychopharmacological assessment and intervention.

Neuropsilab- Neuropsychopharmacology research includes Tobacco and Addiction Control research and programmes

The NeuropsilLab is part of the Translational Biomedicine PhD Course, Univ. of Verona. The main areas of activity of Neuropsilab are- Basic Research, Translational Research, Cross cultural, Tobacco and Addiction control.

Advantages&Benefits:

Our laboratory models for behavioural studies own high face validity for human clinical conditions. Lab models of drug cue reactivity are being set-up in collaboration with local smoking cessation clinic. We pursue the preclinical-clinical cross-validation: collaborations with other national and international groups for forward and reverse translational studies. Surveys and observational studies have been performed in the field of tobacco use, effects and control. The Neuropsilab is involved in local tobacco control activities in the local Hospital of Verona, at the University of Verona Medical School. Our Principle Investigator Prof. Christian Chiamulera and the Neuropsilab staff established and manage the post-graduate Course in Smoking Cessation at University of Verona.

Innovative Aspects:

We take in account at an early stage of experimental planning and design the possible implications in analogue human lab models and in the clinic. The development of human models is fundamental to fill the gap between animal and clinical research. At the cross-cultural level, we pursue the idea described by D. Edwards (The Lab, 2009) as Idea Translation Lab.

Profile: ***153***

Pancreatic Islet Laboratory-Department of Endocrinology and Metabolism, University of Pisa

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Org. Type (Size)	University (1-10)	

Contact Person	
Title	MD, PhD
Position	Senior Scientist
Name	**Lorella Marselli**

Area of activity

- Health

Short description of company

The Pancreatic Islet Laboratory is part of the Department of Endocrinology and Metabolism, University of Pisa. It consists of 100 square meters area, equipped wth facilities needed to pursue the objectives given below. In addition, local and international collaborations are actively involved in the researches.

Pancreatic islet cell biology

The Pancreatic Islet Laboratory is part of the Department of Endocrinology and Metabolism, University of Pisa. The main areas of research are the physiology and physiopathology of pancreatic beta cells, the transcriptional phenotype of beta cells, the study of genetic and environmental factors affecting beta cell phenotype.

Innovative aspects and main advantadges / benefits:

The pancreatic Islet Laboratory provides a full range of models for the study of beta cells (from cell lines to primary rodent and human beta cells), as well as the technology and know how on these topics.

Profile: ***154***

Regione Siciliana - Presidenza

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Contact Person	
Title	Laurea
Position	Coll. Direzione
Name	**Maurizio Lo Iacono**

Profile: ***156***

Smi S.p.a.

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Org. Type (Size)	Company (250+)	

Contact Person	
Name	**Fabio Chiesa**

Area of activity

- Biotechnology
- Health

Profile: ***157***

SpaceLand

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www	www.SpaceLand.it	
Org. Type (Size)	Research Organisation (1-10)	

Contact Person	
Title	Eng. Doct
Position	President
Name	**Carlo VIBERTI**

Area of activity

- Biotechnology
- Health
- Other: Weigthless and low-gravity technology innovation and material science research

Short description of company

The Cultural Association "C.O.S.M.O. SpaceLand" is responsible since 2002 for the implementation of the so-called "SpaceLand program", whose educational, technology innovation and biomedical research oriented values have been extensively presented on CNN TV, Italian State TV, Swiss State TV and several other networks, the latter documentary being aired in the morning on Christmas Sunday (26 Dec. 2010) by RAI 2 TV.

The program got started through grants from the European Space Agency for technology transfer studies which are one on the core activities of SpaceLand; nowadays, the COSMO SpaceLand association engineers and implement, through small corporates in Italy, in Europe and in the USA, all-round-services related to conceiving, engineering, preparing and implementing weightless and/or low-gravity educational as well as research flight campaigns on parabolic flights with the aim of expanding such activities on board future suborbital flights.

The initiative has been formally appreciated by the two latest Presidents of the Italian Space Agency, after receiving letters of appreciation by the President of the Republic of Italy and several Italian Ministers as well as good-wish calls from the Italian Prime Minister's Office; the Ministries of Research, Education and University of the three latest governments of Italy have granted funds to the SpaceLand program for public outreach activities, based on parabolic flight-related science and technology experimental projects, and the current Vice-President of the European Commission in charge of Industry, Entreprenuership and Space, who personally endorsed the 2nd SpaceLand Expo-Congress (Oct.22-23, 2010).

It has to be underlined that in September 2010 SpaceLand has started up an underwater aerospace training camp in Sardinia to prepare ASI, Italian Air Force andUniversityofCagliaripersonnel for research parabolic flight; besides, NASA has confirmed the possibility for 2011 and onwards to include SpaceLand scientists and engineers on board NASA research parabolic flight campaigns at JSC (Texas)

Following on the success of a series of yearly parabolic flights implemented by SpaceLand at the NASA Space Shuttle L.F. in Florida, with users / customers from several countries (hereafter listed), within the timeframe 2008-2010 official letters were sent by the President of the Italian Space Agency (ASI) to the Director of the European Space Agency and to sub-orbital spaceplace operators such as Virgin Galactic to formally address SpaceLand to define and implement the 1st sub-orbital R&D and edutainment flight campaigns with US-UK sub-orbital flight system developers.

Finally, it has to be noted that the following record-breaking crewmembers were prepared underwater at the SpaceLand Camps (Cape Canaveral, Florida and Olbia, Sardinia Italy) and brought to fly as biomedicine or bioengineering test subjects taking off from the NASA Space Shuttle L.F. of the Kennedy Space Center in Florida:

11-year-old child (world's youngest in zero-G flight for research activities) as test subject for neurobiological experiments related to studies on Alzheimer's disease commissioned by Istituto Superiore di Sanità, CNR, European Brain Research Institute – Foundation Levi Montalcini (Nobel Prize winner) science foundation (documented by the Italian State TV RAI" prime evening news "TG1" report)

100% disabled woman as test operator for a hand-free ICT control system experiment commissioned by AIDA Modena ("Informatic tools for disabled and elderly") (documented by Italian State TV "RAI" channel 2 news report)

93 year old man, flying as test subject for bioengineering experiments commissioned by the Don Gnocchi Science Foundation / Bioengineering Center of Milan (documented by CNN TV news report)

1st group research weightless flight in 2005, with 25 people selected among the public, co-funded by the Region of Piemonte, on technology and life science experiments by Polytechnics of Torino, University of Torino, University Clinics of State Hospitals Molinette and Sant'Anna (Torino) and other R&D centers (documented by a series of documentaries on prime TV time by Italian State TV RAI 3)

SpaceLand Flight Mission Commander (Doct. Eng. Carlo Viberti) is the 1st non-U.S. citizen authorized to take off for microgravity research flights from the NASA Space Shuttle L.F. at Kennedy Space Center in Cape Canaveral (Florida). He has been proposed by the Head of the Italian Space Agency to fly as 1st Engineer on the first sub-orbital research flight campaign, planned in the near future (2011-2012) - ref. NASA and ASI protocols)

Further details and videos on www.SpaceLand.it

The SpaceLand community can be found and interacted with on www.SpaceLand.ning.com

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Sharing weightless and low-gravity R&D flight campaign

Every 6 months SpaceLand might share weightless and low-gravity R&D flight campaigns with entities and corporates for both educational as well as R&D programs

Innovative aspects and main advantadges / benefits:

Education and R&D activities in weightless and low-gravity flight conditions by SpaceLand are OPEN to anybody and can reveal aspects of cells and matter which are completely unknown to date, providing opportunities for unprecedented educational experiences as well as breakthrough innovation & life science experiment results.

Profile: ***158***

Università di Catania - Dipartimento di Economia e Metodi Quantitativi

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www		
Org. Type (Size)	University (250+)	

Contact Person	
Title	Professor
Position	Full Professor of Health Economics
Name	**Giacomo Pignataro**

Area of activity

- Other: Scoial Sciences: Public Economics, Health Economics

Short description of company

The University of Catania was founded in 1434, making it the oldest university in Sicily. With about 60,000 students, it is one of Italy's biggest universities.
Established in 2000, the Department of Economics and Quantitative Methods (DEMQ) isjoined by both economists and applied mathematicians, belonging to the Schools of Economics, Law and Political Science. The presence of a variety of theoretical and applied interests and competences allows professors and researchers to work within a multidisciplinary environment. Main research interest areas include Public Economics, Development Economics, Decision Theory and Financial Analysis. The Department plays an important role in the organization of the University's teaching activities; it currently coordinates two Ph.D. programs in Public Economics (formerly, in Health Economics)and an International Master in Economics and Administration of Cultural Heritage (in cooperation with the Scuola Superiore of Catania). In the past, the Department also offered an Advanced Program in Management of Health Care Units.

Profile: ***159***

University of Padova

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Contact Person	
Title	Professor
Position	Vice-Rector, International Relations
Name	**Alessandro Martin**

Area of activity

- Other

Short description of company

The year 1222 is officially recognised as the date of foundation of University of Padua; however, even before then the town hosted 'schools' for the study of law. The establishment of the university itself was due to the move here of a number of teachers and students from nearby University of Bologna because of "serious offences to academic freedoms". The University's motto became Universa Universis Patavina Libertas.

In 1399 it was divided into two universitates: Iuristarum, for the study of civil and canon law, and Artistarum, for the study of medicine, philosophy, theology, grammar, dialectics, rhetoric and astronomy. The 15th century marked the beginning of a period of great splendour and development, which continued for three centuries. Having decided that Padua should be the only University for the whole Venetian Republic, the government in Venice guaranteed an extraordinary level of religious tolerance and freedom.

Padua played a great role in the scientific revolution and attracted students from all over Europe; we also remind the foundation of the world's first public university Botanical Garden in 1545 and the construction of the world's first Anatomy Theatre in 1594-95; moreover Galileo Galilei taught her from 1592 to 1610.

After the fall of the Venetian Republic (1797) Padua's professors and students participated actively in the struggle for Italian independence, most noticeably in the local uprising of February 1848.

In the Second World War (1940-45) the university itself was a centre of operations within the Veneto during the struggle against Fascism and the occupying Nazi forces: due to the number of young people here who gave their lives in that struggle, Padua is the only university in Italy to have been awarded the Gold Medal of Military Valour.

Nowadays Padova University is high ranked among italian universities for teaching (CENSIS) and top ranking among Italian research institutions (CIVR).

Profile: ***160***

UNIVERSITY OF PISA

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www	unipi.it
Org. Type (Size)	University (250+)

Contact Person	
Title	MR
Position	DOCTORAL STUDENT
Name	**FAROOQ SYED**

Area of activity

- Biotechnology
- Health

Human pancreatic islet cell biology and transplantation

The Pancreatic Islets Lab is part of the Department of Endocrinology and Metabolism, University of Pisa. The main areas of research are the physiopathology of pancreatic beta cells in human type 1 and type 2 diabetes, the transcriptional phenotype of beta cells in human type 2 diabetes, and the genetic features in type 1 and type 2 diabetes.

Profile: ***161***

Maastricht University

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Phone		
Email	luc.dewitte@zuyd.nl	
www	www.maastrichtuniversity.nl	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Prof.dr.
Position	Professor Care and Technology Maastricht University and Zuyd University of Applied Sciences
Name	**Luc de Witte**

Area of activity
• Health

Profile: ***162***

MAASTRO clinic

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Phone	+31 88 44 55 666	
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www	www.maastro.nl	
Org. Type (Size)	University (250+)	

Contact Person	
Title Position	Project Manager
Name	**Simone Moorman**

Area of activity
• Health

Short description of company
MAASTRO's objective is to provide care to oncology patients in the broadest sense of the word, in particular by means of radiotherapy, for the benefit of the population of Central and South Limburg, Netherlands.

MAASTRO clinic

MAASTRO'S objective is to provide care to oncology patients in the broadest sense of the word, in particular by means of radiotherapy, for the benefit of the population of Central and South Limburg.

Profile: ***163***

Netherlands Organization for Scientific Research

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Phone	+ 31 70 3440711	
Email	l.lancee@nwo.nl	
www	www.nwo.nl	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title Position	MA, LL.M
Name	**Laura LancÉe**

Short description of company

The Netherlands Organisation for Scientific Research (NWO) is the principal Dutch science funding body and its mission is to facilitate excellent scientific research in the Netherlands by means of national competition. Each year NWO spends more than 700 million euro on grants for top researchers, on innovative instruments and equipment, and on institutes where top research is performed. NWO funds the research of more than 5300 talented researchers at universities and institutes. Independent experts select proposals by means of a peer review system. NWO facilitates the transfer of knowledge to society.

Profile: ***164***

University Medical Center Groningen (UMCG)

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Phone	0031503633160	
Email	p.k.sharma@umcg.nl	
www	www.bme-umcg.nl	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Dr.
Position	Assistant Professor
Name	**Prashant Kumar Sharma**

Area of activity

- Health

Short description of company

The University Medical Center Groningen (UMCG) started as Nosocomium Academicum in 1797 to the University of Groningen (started 1614). In 1852 it became Academisch Ziekenhuis and later in 1971 it was called Academisch Ziekenhuis Groningen (AZG). In 2007 the medical faculty of the University of Groningen combined with AZG and UMCG was born. Presently it is the largest hospital in the Netherlands with 11000 employees and 1339 patient beds. UMCG is presently busy with patient care, medical, dental and kinesiology education along side a strong performance in Research and publications.
I belong to the Department of Biomedical Engineering where research in the field of biomaterial- infections, tissue integration and tribology.

Antifouling and highly lubricious coatings for biomaterials

Depending on the location and type of a medical implant, about 2 to 71 % of them get infected requiring expensive revision surguries. In order to leave the bulk properties of an implant unaffected the only way to minimize infection is to cover the implant with an antifouling or antimicrobial coating. It has been observed that coating with good antifouling characteristics also give rise to best lubricating properties i.e. very low friction. Ultra low friction properties are an esential requirement for biomaterials to be used at an articulating interface i.e. orthopedic joints, ocular and oral surfaces.

Innovative aspects and main advantadges / benefits: The efficacy of such coatings in the presence of biopolymers from blood, saliva or tear is still low. Furthermore, the stability of such coatings in presence of host immune response needs to be drastically improved. Coating optimization on the nano scale is thus required furthermore in-vitro models need to be developed to predict their in-vivo performance.

Profile: ***165***

The Research Council of Norway

Address	Stensberggata 26 0131 - Oslo	**Norway**
Email	mj@rcn.no	
Org. Type (Size)	Governmental body (250+)	

Contact Person	
Name	**Marianne Jensen**

Area of activity

- Biotechnology
- Health
- Other

Short description of company

The Research Council is Norway's official body for the development and implementation of national research strategy. The Council is responsible for enhancing Norway's knowledge base and for promoting basic and applied research and innovation in order to help meet research needs within society.

Profile: ***166***

Mossakowski Medical Research Centre Polish Academy of Sciences

Address	Pawinskiego 5 02196 - Warsaw	**Poland**
Email	andrzej@lipkowski.org	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Prof
Position	Director
Name	**Andrzej W Lipkowski**

Area of activity

- Biotechnology
- Health

Short description of company

Mossakowski Medical Research Centre Polish Acad Sci is the main institute of science and research in Poland, dedicated to clinical and experimental medicine. In collaboration with researchers from other countries institute is focused on fundamental and clinical research in:
- physiology and neurophysiology;
- neuroimmunology;
- neurochemistry;
- neuropathology;
- neurology;
- neurosurgery;
- experimental transplantology;
- endocrinology, lymphology and cellular biology;
- medicinal chemistry and pharmacology.

Medicinal chemistry and pharmacology

Development of new medicines and nuraceuticals for neurological problems and diseases

Innovative aspects and main advantadges / benefits:

Research and developmeny of new medicines based on knowledge of new endogenous regulatory processes.

Profile: ***167***

Champalimaud Foundation

Address	praca Duque de Saldanha 1050-094 - Lisbon	**Portugal**
Email	rkalluri@bidmc.harvard.edu	
Org. Type (Size)	Research Organisation (26-50)	

Contact Person	
Title	Professor
Position	Professor of Medicine at Harvard Medical School
Name	**Raghu Kalluri**

Area of activity

- Health

Short description of company

This program brings Portugal, Germany and India together to perform cancer research.

Profile: ***168***

Institute for Molecular and Cell Biology - IBMC

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Email	ines.loureiro@ibmc.up.pt	
www	www.ibmc.up.pt	
Org. Type (Size)	Research Organisation (101-250)	

Contact Person	
Title Position	MSc
Name	**Inês Loureiro**

Area of activity

- Health: Trypanosomatid diseases and drug targets

Short description of company

The IBMC was created almost 15 years ago with the participation of researchers that came from many different faculties, hospitals and institutions in one way or another associated with the University of Porto. The main objective was to create an institute with strong basic research in the area of the Life Sciences that could interface with applied and clinical research at the highest international level. It has been developed an effective multidisciplinary environment in which Research Groups can collaborate to find innovative answers to biologically relevant medical questions. To achieve these aims IBMC include Research Groups that have a strong basis on Molecular, Cellular and Organismic Biology. Our main scientific areas are: Human Genetics, the Organization and Function of the Nervous System, the Relationship Between Host and Pathogens and Tissue Regeneration and Repair.

Profile: ***169***

Institute of Cell and Molecular Biology (IBMC)

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Email	cordeiro@ibmc.up.pt	
www	www.ibmc.up.pt	
Org. Type (Size)	University (250+)	

Contact Person	
Title	PhD
Position	Professor
Name	**Anabela Cordeiro-da-Silva**

Area of activity

- Biotechnology
- Health

Short description of company

The IBMC is a multidisciplinary research institution organized in three thematic units: Infection and Immunity, Molecular and Cell Biology, and Neuroscience. It harbors 31 research groups from different scientific backgrounds, 580 collaborators, 195 holding PhD and 49 post-graduate students. IBMC preserves a close relation both academic and scientific, with the University of Porto at the institutional and research level and it fosters the kind of basic research that often finds applications in biomedicine and biotechnology. Links have been developed with several enterprises, providing the much needed incentives for exploring technology transfer opportunities.

The scientific activity is internationally recognized and evidenced by the near 1300 papers published in the last 8 years. The IBMC attracts carefully selected postdoctoral students and junior scientists, to strengthen existing areas, or to develop new, and often risky, research projects. Also, IBMC makes available to its researchers a number of Core Facilities including Advanced Microscopy, Advanced Tissue Analysis, Protein Production and Purification, Cell Culture and Genotyping, Flow Cytometry and Animal Facility, among others.

Given the social implications and public interest of many of the research topics, researchers have become engaged in public activities that include: school projects; science fairs and other related events; public events; science-media cooperation.

Profile: ***170***

Instituto de Tecnologia Química e Biológica (ITQB-UNL)

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Phone	00351 214469300	
Email	pgroves@itqb.unl.pt	
www	www.itqb.unl.pt	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Dr.
Position	Principal Investigator
Name	**Patrick Groves**

Area of activity

- Biotechnology

Short description of company

Instituto de Tecnologia Química e Biológica (ITQB) is a scientific research and advanced training institute of the Universidade Nova de Lisboa. The ITQB is located in the Town of Oeiras, at the Tagus river mouth, just outside Lisbon. Since 1996 it has occupied a building inside the campus of the National Agricultural Station, an R&D institution of the Ministry of Agriculture. Some facilities are located in two other buildings, one belonging to the Agricultural Station and the other to the neighbouring Gulbenkian Institute. The mission of the ITQB is to carry out scientific research and postgraduate teaching in chemistry, life sciences, and associated technologies, while also serving the community and performing university extension activities for the promotion of science and technology. ITQB has five divisions: Chemistry, Biological Chemistry, Biology, Plant Sciences and Technology

NMR Spectroscopy

NMR Spectroscopy is best known for for the solution of small molecule and protein structures. However, NMR is a much more versatile tool. My group uses NMR to look at the size of molecules (diffusion NMR, DOSY) and to characterize how a small molecule interacts with a large biomolecule (STD-NMR)

Innovative aspects and main advantadges / benefits:

DOSY provides an average size for small molecules, proteins upto 100 kDa and polymers (no size limit) with a lower sensitivity of 10 micromolar concentration. It is best applied to pure samples and wher there is no large dispersion in sizes. Signals from small proteins can be sorted according to size. We have also developed a protocol to test for small molecule contamination in protein samples and were able to detect 30 micromolar imidazole in a 1 mg/ml protein solution with one hour acquisition.

STD requires a low concentration of protein (1 mg/ml or less). While standard NMR protein structure protocols are limited to <30kDa, STD works best with proteins >30 kDa. The protein is magnetized and we observe the magnetization that is transferred to small molecules. This first tells us if a small molecule interacts with the protein and, if so, which parts of the small moelcule are responsible. One limitation is the binding kinetics and only small molecules with milli to micromolar affinities are suitable. This is not the case for biological ligands so we use fragment moeities as spies and the ligand as a competitor to obtain data on the protein binding site.

Profile: ***171***

Maria Maia

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Phone	++351213924397	
Email	maria.maia@fct.pt	
www	www.fct.pt	
Org. Type (Size)	Governmental body (101-250)	

Contact Person	
Title	Dr.
Position	Project Officer
Name	**Maria Maia**

Area of activity

- Other: Funding agency for research

Short description of company

Fundação para a Ciência e a Tecnologia (FCT) is the Portugal´s main funding agency for research with a status of a public organisation with administrative and financial autonomy under the aegis of Ministry of Education and Science.

Profile: ***172***

Centro de Investigaciones Biológicas CIB-CSIC (Biological Research Centre, CIB-CSIC)

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Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Doctor
Position	Research Scientist
Name	**Tomas Canto**

Area of activity

- Biotechnology

Short description of company

My Institute Centro de Investigaciones Biológicas (CIB) is part of the Spanish Natinal Council for Scientific Research (Consejo Superior de Investigaciones Científicas, CSIC), which carries out a large part of the basic scientific research in Spain. I work in the Environmental Biology Department of CIB, and my current research lines focus on plant virology. We study interactions between +RNA virus factors and factors from the host plant or insect transmission vector at the molecular at cell biology levels. Our aim is to gain knowledge on mechanims and processes that are key in the viral infectious cycle or are associeted to its pathogenic effects, in order to design strategies for their interference.

Molecular plant virology

We study interactions between positive RNA plant virus factors and factors from the plant or from the virus transmission vector that are required for a successful viral infectious cycle. We have an ongoing bilateral collaboration with scientist from the Indian Agricultural Research Institute (IARI) in Delhi.

Innovative aspects and main advantadges / benefits:

Our work on these virus-plant virus-vector interactions is carried out at the molecular and cell biology levels. In particuar our expertise in cell biology studies of molecular interactions in vivo and in vitro would constitute a main contribution to any collaboration work with our indian counterparts.

Profile: ***173***

Escuela Técnica Superior de Ingeniería Informática y Telecomunicaciones

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Org. Type (Size)	University (250+)	

Contact Person	
Title	Doctor
Position	Asociate Profesor
Name	**Carmen Benítez**

Area of activity

- Other

Short description of company

The University of Granada, founded in 1531, continues a long teaching tradition, the roots of wich can be traced back to the madrasahs of the Nasrid kingdom. Over 60000 undergraduates and post graduates students study at the UGR, with another 20000 students taking aditional courses, languages courses, summer courses, etc. Th e University employs 3650 lectures and over 2000 administration, technical and maintenance staff.

At present, courses for 75 differents aualifications are taught in the 28 teaching centers of the UGR. The courses are thaught across 116 departements. The postgraduate Schol offers 68 master's courses, 116 doctorate programmes and 113 additional courses. The commitment to high-quality research has placed th Universidad de Granada in aprominent position in terms of national rankings.

The financing of 346 research groups illustrates thois commitment. Through the Spanish Research Programme, as well as other national programmes and organisations, the University supports 165 research projects, and the Ministry of Innovation, Science and Businness has provide financial support to 78 Projects of Excellence.

Signal Processing and Pattern Recognition

Our research group os engaged in the signal processing algorithms. Mainly investigates in signal processing algorithms applied to speech signals and seismic signals of volcanic origin. The techniques developed can be adapted and applied to signals oiginated by other sources. We have previous experience working with the Indian Institute of Technology of Madras as Indian partner. Innovative aspects and main advantadges / benefits:

Our group has extensive experience in working with groups from different disciplines, such as geophysical, medica or chemicals. We help to process data and signal.

Profile: ***174***

Francisco J. Sanchez Gomez

Address	Nicolas Cabrara, 1	**Spain**
	28049 - Cantoblanco, Madrid	
Phone	+34 911964456	
Email	fjsanchez@cbm.uam.es	
www	www.cbm.uam.es	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	PhD
Position	Postdoctoral researcher
Name	**Francisco Sanchez**

Area of activity

- Biotechnology
- Health

Short description of company

The Centro de Biología Molecular "Severo Ochoa" (CBMSO) is a biological research centre of major importance in Spain. Founded in 1975 as a mixer centre between the Universidad Autónoma de Madrid (U.A.M.) and the Consejo Superior de Investigaciones científicas (C.S.I.C.) under the initiative and tutelage of Dr Severo Ochoa, it brought together some of the most active groups in field of Biochemistry and Molecular Biology then working in Spain. Today, the distinct lines of research cover areas at the forefront of disciplines such as Cell Biology, Developmental Biology, Virology, Molecular Microbiology, Neurobiology, Cell Signalling, and Immunology.Diseases whose mechanisms are the object of study in our Centre include neurodegenerative diseases such as Alzheimer's, cancer, inflammation, viral infections, and disturbances of the cardiovascular and immune systems.

Our laboratory investigates the molecular, biochemical and cellular mechanisms that underlie the pathophysiology of the vascular wall. Endothelial dysfunction is an event inherently related to the development of vascular pathology in humans and associated to disease entities such as atherotrombosis hypertension or diabetic vascular disease. This process results in a impaired endothelial capacity to promote vascular disease. This process results in an impaired endothelial capacity to promote vascular relaxation and inhibit platelet aggregation. Specific posttranslational modifications (PTMs) promoted by reactive oxygen and nitrogen species have revealed to be important. These include S-glutathionylation, S-nitrosylation and tyrosine nitration. However, the major challenge remains as to which specific targets are pathophysiologically relevant. Our laboratory has contributed to identify these modifications in endothelial cells and in isolated proteins. We would now like to apply the relevance of this knowledge to in vivo pathophysiological models of disease, using cells, animals and patients. Details about your specific research cooperation offer/demand should be inserted in the cooperation profile which follows on the next page.

Profile: ***175***

GAIA

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Org. Type (Size)	Other (11-25)	

Contact Person	
Name	**Begoña Benito Barajas**

Area of activity

- Other

Profile: ***176***

Instituto de Salud Carlos III

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Phone	+34 618223623	
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Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	PhD
Position	Researcher
Name	**Israel Cruz**

Area of activity

- Health

Short description of company

The Instituto de Salud Carlos III is a national research and scientific support organization responsible for promoting biomedical and health science research. Its mission is to develop and provide the highest quality scientific-technical services to the National Healthcare System of Spain (NHS) and society in general. The National Centre for Microbiology (NCM) has a multi-disciplinary composition carrying out applied and basic research in Immunology, Virology, Diagnostic Microbiology, Bacteriology, Mycology and Parasitology. At present the NCM is made up of approximately 460 people, eighty of whom are permanent staff researchers, and about two hundred people are technicians and management personnel and the remainder are undergoing training In addition to cell culture facilities, the centre has its own animal research facility with includes a breeding unit, a specific pathogen free unit and a separate unit for working with infected animals. The centre is equipped with a containment level P3 laboratory, proteomic and genomic services, flow cytometry services, confocal microscopy and facilities for DNA microchip production and experimentation. The Leishmaniasis Unit is a WHO Collaborating Centre which, among other aspects, pays particular effort on the application and development of molecular tools to help in diagnosis and molecular characterization of leishmaniasis to better understand the epidemiology of this disease. Main topics on this line are: diagnosis, molecular epidemiology, field studies.

Leishmaniasis, vector borne diseases

New approaches to better understand the dinamics of vector borne diseases, particularly leishmaniasis
Innovative aspects and main advantadges / benefits:
Integration of molecular, geographical ann epidemiological data. Study of dynamics of transmission, virulence factors, and hosts genetics susceptibility

*Profile: **177***

Instituto de Salud Carlos III

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Email	javier.moreno@isciii.es	
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Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Dr. MSc
Position	Staff Researcher
Name	**Javier MORENO**

Area of activity

- Health

Short description of company

The Instituto de Salud Carlos III is a national research and scientific support organization responsible for promoting biomedical and health science research. Its mission is to develop and provide the highest quality scientific-technical services to the National Healthcare System of Spain (NHS) and society in general. The National Centre for Microbiology has a multi-disciplinary composition carrying out applied and basic research in Immunology, Virology, Diagnostic Microbiology, Bacteriology, Mycology and Parasitology. At present the NCM is made up of approximately 460 people, eighty of whom are permanent staff researchers, and about two hundred people are technicians and management personnel and the remainder are undergoing training In addition to cell culture facilities, the centre has its own animal research facility with includes a breeding unit, a specific pathogen free unit and a separate unit for working with infected animals. The centre is equipped with a containment level P3 laboratory, proteomic and genomic services, flow cytometry services, confocal microscopy and facilities for DNA microchip production and experimentation.

The Immunoparasitology Unit is dedicated to basic research on the immune response to parasite infection, both in animals and humans. Particularly, the laboratory contributed to the study of the immunological status of HIV/Leishmania coinfected patients as well as malnourished Leishmania infected patients, including in vitro assays for experimental infection. The group has also been dedicated to the development of models of Leishmania experimental infectio, successfully used in laboratory vaccine trials, and the in vivo and in vitro characterization of immune response to vaccine candidates.

Research in control of visceral leishmaniasis

Our team has a wide experience in the study of the immune response to Leishmania infantum both in animals and humans. The laboratory contributed to the study of the immunological status of HIV/Leishmania coinfected patients, including in vitro assays for experimental infection. We are also involved in the study of those immunological aspects related with the susceptibility to leishmaniasis in malnourished individuals from Ethiopia.

The group has been dedicated to the development of a model of experimental infection in the dog, successfully used in laboratory vaccine trial, and we have collaborated in the assessment of efficacy of vaccines against canine leishmaniasis.

We have also conduceted basic studies on chemotherapy with sintentic peptides in experimental leishmaniasis (hamster) and about the in vivo and in vitro virulence of L. infantum strains in euthymic and athymic mice.

Innovative aspects and main advantadges / benefits:

Wide experience in field studies of human leishmaniasis

Development of experimental models of leishmaniasis

Technical support of the research services and facilities of the National Centre for Microbiology -ISCIII

Profile: ***178***

Joaquim Puigdollers

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www	www.upc.edu	
Org. Type (Size)	University (51-100)	

Contact Person	
Title	PhD
Position	Professor
Name	**Joaquim Puigdollers**

Area of activity

- Other: photovoltaic energy

Short description of company

Our Research Group (Micro and Nanotechnologies at teh Universitat Politècnica Catalunya) is specialised in the fabrication of photovoltaic solar cells. Using our clean-room facilities we fabricate silicon solar cells with efficiencies of 21.5 % (on a 2cm x 2cm), HIT solar cells (a-Si:H/c-Si 16 %) with collaboration of the University of Barcelona and organic solar cells (p-i-n structure using small molecule semiconductors).
Moreover we also fabricate Organic Thin-Film Transistors using pentace,e CuPc, picene, etc and measure the Density-of States in the Band-gap.
In collaboration with the University of Barcelona we study the properties (structure, work function) of TCOs (ITO, ZITO, FTO) in order to be use as a transparent substrates on organic solar cells.

Profile: ***179***

MICINN (Spanish Ministry of Science and Innovation)

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Phone	+34 916037741	
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Org. Type (Size)	Governmental body (250+)	

Contact Person	
Title	Dr.
Position	Head of Unit, International Programs
Name	**Cristina Bauluz**

Area of activity

- Science Policy and financial support. All areas of knowledge

Short description of company

The Ministry of Science and Innovation (MICINN) is responsible for helping to develop and implement the Spanish government's policies in science, tecnological development and innovation, a responsibility formerly spread among different ministries. Established in April 2008, the MICINN has the bulk of the responsibility for managing the National Plan for Research, Development and Innovation, which is articulated in six instrumental lines of action: Human Resources, R&D and Innovation Projects, Strengthening Institutions, Science and Technology Infrastructures, Knowledge Use and Technology Transfer, and Internationalization. MICINN research funding covers both basic and application oriented research projects, human training and mobility and infrastructures for research by means of different specific programmes. In 2009 the MICINN funded R&D and innnovation projects with 680 million euros in subsidies and 2.1 billion euros in credits. In addition, more than 1.5 billion euros in MICINN's 2009 budget were devoted to the basic funding of public research organisms. Upon its establishment in 2008, the MICINN created a new Directorate General of International Cooperation in order to increase its already considerable activities in international affairs. Besides bi- and multilateral agreements and programmes for scientific cooperation, the MICINN is very much involved in constructing the European Research Area and in transnational cooperation. A bilateral agreement of cooperation on S&T with India was signed in 2009.

Profile: ***180***

University of Granada

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www	www.ugr.es	
Org. Type (Size)	University (250+)	

Contact Person	
Title	PhD
Position	Full Professor
Name	**Jose Segura**

Area of activity

- Other

Short description of company

The University of Granada, founded in 1531, continues a long teaching tradition, the roots of wich can be traced back to the madrasahs of the Nasrid kingdom. Over 60000 undergraduates and post graduates students study at the UGR, with another 20000 students taking aditional courses, languages courses, summer courses, etc. Th e University employs 3650 lectures and over 2000 administration, technical and maintenance staff.
At present, courses for 75 differents aualifications are taught in the 28 teaching centers of the UGR. The courses are thaught across 116 departements. The postgraduate Schol offers 68 master's courses, 116 doctorate programmes and 113 additional courses. The commitment to high-quality research has placed th Universidad de Granada in aprominent position in terms of national rankings.
The financing of 346 research groups illustrates thois commitment. Through the Spanish Research Programme, as well as other national programmes and organisations, the University supports 165 research projects, and the Ministry of Innovation, Science and Businness has provide financial support to 78 Projects of Excellence.

Signal Processing and Pattern Recognition

Main research lines of our research group are related to signal processing, detection and classification. We have previous experience in audio, speech, ultrasonic and seismic signals.
We ha a previous collaborative experience with researchers of the Indian Institute of Technology of Madras.
Innovative aspects and main advantadges / benefits:
Those related with advanced signal processing and classification in different applications.

Profile: ***181***

UTM - Consejo Superior de Investigaciones Científicas

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www	http://www.utm.csic.es/presentacion.asp	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	Dr.
Position	Research Staff
Name	**Joaquim Ballabrera**

Area of activity

- Other: Oceanography, Remote sensing, ocean modelling, data assimilation

Short description of company

The Marine Technology Unit (UTM) operates within the Mediterranean Centre for Marine and Environmental Research (CMIMA) and belongs to the Department of Natural Resources of the Higher Council for Scientific Research (Consejo Superior de Investigaciones Científicas, CSIC from now on). Among others, the UTM carries out activities for the logistic and technological support of oceanographic vessels and polar stations, as well as for technological development in marine science.
Within of the framework of the validation and calibration of the satellite SMOS, our collaboration with researchers of the Indian Institute of Technology, intends to assess the ability of the SMOS data to observe the variability of river plumes in the Bay of Bengal.

Data assimilation of SMOS data

In the framework of the validation of the SMOS mission, our task is to assess the added value of the SMOS mission to better monitor ocean salinity and/or soil moisture. We may provide operational and experimental data and help to develop analysis tools for the better use of the SMOS data
Innovative aspects and main advantadges / benefits:
Launched on November 2, 2009, the satellite SMOS is providing a new stream of data about soil moisture and ocean surface salinity.

Profile: ***182***

Luleå University of Technology

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Contact Person	
Title	Professor
Position	Professor in Mineral Processing
Name	**Hanumantha Rao Kota**

Area of activity

- Other: Minerals (bio)processing

Short description of company

Luleå University of Technology (LTU) is the largest mining university in northern Europe and one of the major European and global research and education providers in mining and metallurgy and since 1972 the only Swedish University with such a distinct mining profile. Although the Swedish mining industry is at the forefront of using environmentally-friendly technology, mining operations have detrimental effects on solid, water and biota. The major long-term environmental effect is formation of acid mine drainage in sulphid bearing mine waste. The research topics at the Department of Chemical Engineering and Geosciences include environmentally sound and cost-effective chemical and biochemical innovation in ore processing; development of methods for remediation of mine water, geochemistry of natural and anthropogenically affected surface and ground waters, metal speciation in different waters; development of cost effective, integrated processes for the use of biobased materials in the production of chemicals and fuels; improvement of thermochemical and biochemical processes with an emphasise on the forest products industry, speciically on the development of pretreatment processes for biomass, fermentation, and separations; etc.

Effect of surface nanomorphology on (bio)chemical activity of metal oxides, sulphides, and silicates

The primary objective of research cooperation is to understand how and why nanoscale morphological features (nanoparticle/nanopore size and shape, surface porosity and nanoroughness) of metal oxides, sulphide, and silicates affect their adsorption properties and biochemical activity.

Innovative aspects and main advantadges / benefits:

The proposed research program will be the first attempt to carry out a systematic fundamental study to determine the effect of change of physical (particle size, shape, surface nanoroughness/porosity) and chemical properties (surface energy, crystallinity, surface charge, structure of adsorption sites, hydrophobicity) of nanoparticles on adsorption of selected surfactants and proteins as well as on interaction with selected bacteria based on direct molecular-level in situ spectroscopic data about reactivity of nanoparticles.

Understanding the fundamental mechanisms that govern the adsorption processes in competitive biological environments will help modulate the properties of nanoparticle systems for their optimal performance in (bio)flotation, (bio)flocculation and (bio)remediation. This knowledge will be useful for understanding the nanoparticle morphology effects on performance of nanoparticles in nanodrug delivery, bioimaging, medical device coatings, bio-sensors, biochip development, biofouling protection, nanotoxicology amongst others.

Profile: ***183***

CAYKUR Ataturk Tea Research Institute

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Email	s.ilgaz@caykur.gov.tr	
www	www.caykur.gov.tr	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	M.Sci.
Position	Head of technology Department
Name	**Saziye ILGAZ**

Area of activity

- Other: Developing all kinds of tea products and researching new tea byproducts by using new technologies

Short description of company

CAYKUR Ataturk Tea Research Institute is an affiliated unit of CAYKUR, governmental organisation. CAYKUR is the biggest and leading establishment of Turkish tea sector with its 47 fresh tea processing factories, 3 tea packing factories, 2 regional directorates of marketing and production, 7 regional directorate of marketing, Ataturk Tea Research Institute with its 16000 employees .

Bridge from past to future

Our institution has been founded for the purpose of to provide the sustainability of tea agriculture, to develop new tea by-products and different kinds of teas, to rehabilitate tea gardens, to produce processed tea in order to meet domestic and foreign requirements. Organic tea farming and tea processing have been done by using the eco-friendly technics by the leadership of CAYKUR.

Innovative aspects and main advantadges / benefits:

Thanks to the studies of its research institute and collaborations with universities and other research centers, CAYKUR has launched organic tea culture and installed organic tea factory in Rize.Also By collaborating withTurkish Scientific and Technical Research Institute, development studies of new products like tablet and green iced tea, funtional tea have been carried out.

As a research institute we would like to make a collaboration with colleagues to develop various kinds of tea byproducts preferred because of health benefiths like functional or encapsulated teas.

Profile: ***184***

Gazi University

Address	Gazi University Faculty of Pharmacy Toxicology Department 06330 - Ankara	**Turkey**
Phone	+903122124699	
Email	bensuka@gmail.com	
www	www.gazi.edu.tr	
Org. Type (Size)	University (250+)	

Contact Person	
Title	Prof.Dr.
Name	**Bensu Karahalil**

Area of activity

- Biotechnology
- Health

Short description of company

Gazi University (GU), Faculty of Pharmacy, Department of Toxicology (GUDT) is one of the most active department in Turkey in the field of Toxicology. According to a scientific evaluation, based on Web of Science data, the department recognized as scientifically the most successful department of the whole GU. Academic staff received many outstanding national awards such as "Distinguished Service Award in the field of Pharmacy", "Scientific Award of Scientific and Technological Research Council of Turkey", "Scientific Award of Turkish Academy of Science".Main interest area of GUDT is genotoxicity and genetic polymorphisms. It has many outstanding publications in the field of occupational, genetic,environmental and drug toxicology, pharmacogenetics, mutagenesis and carcinogenesis and become worldwide known in the field of toxicology. Till now, GUDT managed to get more than 71 nationally and 10 internationally funded projects. Also, GUDT has organized over 25 international meetings.

Our project called NanoLINEN (NANOTOXICOLOGY LINK BETWEEN INDIA AND EUROPEAN NATIONS). This international cooperation project of 7 European countries and India recognizes the importance of establishing a strong communication network, to bridge the gap between the basic development of new NMs and their intended use such as in therapeutics and cosmetics for humans. Therefore research groups having diverse expertise in nanotechnology, environmental, clinical and biological research have come together to form the NanoLINEN. NanoLINEN is aimed at establishing strong scientific links between the EU and India in the emerging area of nanotoxicology (NT) to initiate interdisciplinary collaborative studies. NanoLINEN will help to investigate the potential environmental and human health risks associated with nanotechnology.

NanoLINEN shall lead to trans-national networks in this upcoming area using the following strategy: 1.Research visits of senior and junior scientists, 2.Organizing workshops, 3.Development of new projects, 4. Development,

establishment and validation of tests and biomarkers for NM safety,5. Providing contribution to the preparation of international guidelines for NM safety

Evaluation of potential cytotoxic, genotoxic and immunomodulatory effects of commonly used drugs

Drugs are an inseperable part of our life. Although we all still hope for help from these chemicals, they demonstrate various side or adverse effects from which a remarkable number of patients suffer. Furthermore, for most of the drugs, there is lack of data about their genotoxic or immunomodulatory effects.

Innovative aspects and main advantadges / benefits:

Evaluation of the potential dose dependent genotoxic, cytotoxic and immunomodulatory effects of the drugs would rather be helpful to shed light on the adverse drug reactions.

Profile: ***185***

Gazi University, Faculty of Pharmacy

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Contact Person	
Title	PhD
Position	Ph.D.
Name	**Ayse Basak Engin**

Area of activity

- Health

Short description of company

I am working in Gazi University, Faculty of Pharmacy, Department of Toxicology. Gazi University is one of the three governmental Universities in Ankara, capital of Turkey. Since September 2010 we have been working on our ongoing project NanoLINEN (Nanotoxicology Link Between Indian and European Nations). Prof. Dr. Bensu KARAHALIL is the European coordinator of NanoLINEN project. This project is financed by the New-INDIGO Networking Pilot Programme between 7 European countries and India, established to focus on the emerging field of potential adverse health effects of the widely use of nanotechnology. The main aim of the NanoLINEN is setting up a strong link over EU and India to create future collaborations on the nanotoxicology field.

Evaluation of potential genotoxic and immunmodulatory effects of commonly used drugs

Drugs are an inseperable part of our life. Although we all still hope for help from these chemicals, they demonstrate various side or adverse effects from which a remarkable number of patients suffer. Furthermore, for most of the drugs, there is lack of data about their genotoxic or immunomodulatory effects.

Innovative aspects and main advantadges / benefits:

Evaluation of the potential dose dependent genotoxic, cytotoxic and immunomodulatory effects of the drugs would rather be helpful to shed light on the adverse drug reactions.

Profile: ***186***

Gazi University, Faculty of Pharmacy, Department of Toxicology

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	06330 - Ankara	
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Email	erdemcos@gmail.com	
www	www.gazi.edu.tr	
Org. Type (Size)	University (250+)	

Contact Person	
Title	MSc
Position	Researcher
Name	**Erdem Coskun**

Area of activity

- Health

Short description of company

Gazi University is one of the few universities whose history dates back to 1920s. Today, Gazi University carries out its educational and research activities with its 15 faculties, 4 colleges, 9 Vocational High Schools, 35 research centers and 6 institutes and it still claims it is a higher education institution. With more than 50 thousand students and 3000 academic staff, Gazi is one of the biggest universities with its faculties from education to communication, from fine arts to engineering, sports to forestry, medicine to pharmacy, dentistry to science and arts, economics to technology. It also meets the needs of academic staff of other universities with more than 5 thousand students in master and PhD programs. Gazi University, Faculty of Pharmacy has been teaching the pharmacy students since 1968 and an integral part of Turkey's pharmacy education since one in every four Pharmacy graduates is a GUFP graduate. Our faculty is internationally and nationally renowned for being on the cutting-edge of health care research. Integral to our mission is to take a leadership responsibility for discovery, evaluation, dissemination and application of pharmaceutical knowledge for the benefit of society. Therefore, extensive resources are being made available to our students and researchers throughout the university. The Faculty also awards two graduate degrees: the Master of Science (M.S.) and the Doctor of Philosophy (Ph.D.) in pharmaceutical sciences both offered by all departments under the guidance of Institute of Health Sciences. Gazi University Faculty of Pharmacy, Department of Toxicology is one of the most active department in Turkey in the field of Toxicology. The academic staff of the department have served as some internationally recognized services such as presidency of the International Union of Toxicology (IUTOX). According to a scientific evaluation, based on Web of Science data, our department recognized as scientifically the most successful department of all whole Gazi University. The department now has 4 professors, 2 associated professors and 6 research and teaching assistant as well as over 30 Master and PhD students including doctors, pharmacists, veterinary doctors, dentists, chemists, biologists. Also academic staff received many outstanding national awards such as “Distinguished

Service Award in the field of Pharmacy", "Scientific Award of Scientific and Technological Research Council of Turkey (TUBITAK)", "Scientific Award of Turkish Academy of Science (TUBA)". Our departments main interest is focused on studies of genotoxicity tests and genetic polimorphisms. It has many outstanding publications cited on PubMed in the field of occupational toxicology, genetic toxicology, environmental toxicology, drug toxicity, pharmacogenetics, mutagenesis and carcinogenesis and become worldwide known in the field of toxicology. Till now, our department managed to get more than 70 Projects funded by the Turkish Government and more than 10 Projects which were internationally funded. Also, our department has organized over 20 international meetings and engaged many distinguished scientists all over the world with successful organizations in the means of scientific and socially by the help of many important sponsors such as NATO, EU, National Institute of Standarts and Technology (NIST), National Institute of Health (NIH), TUBITAK.

Toxicology for human health.

Biomonitoring studies of exposed populations using biomarkers: Especially some popular genotoxicity tests (Micronucleus, Comet assay, etc., etc...) and early biomarkers of genetic diseases such as cancer.

Polymorphism and Genotyping Studies as biomarkers of individual susceptibilities: I have worked with polymorphism in several studies using some susceptible subgroups such as cancer patients, exposed workers and infertile men.

Male reproductive toxicology: On my PhD thesis, I have worked with infertile men, assessing their sperm chromatin damage by comet assay and also used some cytogenetic tests and checked some of the most important gene polymorphism on the important pathways of male reproductive system to have an idea of their genetic background.

Nanomaterial and particle toxicology: Nanotechnology is a rapidly growing converging technology bringing a growing amount of nanotech-based products on the market. This is associated with potential environmental and occupational health risks. The manufacturing, trade and use of nanoproducts may lead to worker exposure and environmental emissions of nanoparticles while the extent and the potential effects are still uncertain. Due to limited knowledge on the toxic effects of nanoparticles, there is a need to undertake studies in this new area. Therefore, we have proposed the NanoLINEN (NANOTOXICOLOGY LINK BETWEEN INDIA AND EUROPEAN NATIONS) project for the New-Indigo NPP. NanoLINEN is aimed at establishing strong scientific links between the EU and India in the emerging area of nanotoxicology to initiate interdisciplinary collaborative studies. NanoLINEN will help to investigate the potential environmental and human health risks associated with nanotechnology and hopefully lead to trans-national networks in this upcoming area using the following strategy; to develop robust risk assessment methodologies which will be useful and comprehensible for the community manufacturing and using nano-products, while bringing a precautionary approach into practice. Possible bilateral collaboration topics for me could be in those areas;

Biomonitoring exposed populations: Exposed populations such as arsenic exposed (which is also an important aspect for India) can be a good topic to have collaboration. Also, workplace exposure for a specific chemical is in my interest. These studies might be combined with polymorphism studies as a biomarker of susceptibility and cytogenetic tests such as micronucleus or comet assay as a biomarker of effect.Nano Safety issues: For the last few years, I am working on this field, and have been integrated in a few nano safety groups in Europe. I also would like to discuss possible collaborations on this hot topic. Risk Assessment and management: I am particularly interested in risk assessment and I have participated many courses financed by EU (especially by Marie Curie). Therefore, I also would like to start a project (might be a Leonardo) in any field of risk assessment (which have a really wide application). We may discuss different possibilities during the meeting...

Profile: ***187***

Intergen company

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Contact Person	
Title	Dr.
Position	Head of dept.
Name	**Fikret Tanzer**

Area of activity

- Biotechnology
- Health

Biotechnology researcher

I would like to find some biotechnology researcher on the gen therapy specialy cancer treatment.

Profile: ***188***

Isik University Faculty of Fine Arts

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Org. Type (Size)	University (250+)	

Contact Person	
Position	Assistant Prof. Dr.
Name	**Hatice Oz**

Area of activity

- Other: Graphic Design, Fine Arts, Animation, Web Design, Multimedia, Game Design

Short description of company

For 125 years, the Feyziye Schools Foundation has established and maintained educational institutions in Turkey with the highest standards of excellence. Through the programs these institutions have offered, the Foundation has given art and culture the importance they deserve, laying strong foundations for a contemporary education in this new century. It is determined to continue its tradition of providing the highest quality education to the citizens of the modern Turkish republic. The Işık University Fine Arts Faculty was added to the chain of Feyziye Schools Foundation institutions in 2007. It is a source of pride to us that with a teaching staff made up of experienced professors who have been recognized nationally and internationally and high quality art education activities, the Fine Arts Faculty has become one of the top fine arts faculties in the country after being in existence for only three years.

Isik University

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Innovative aspects and main advantadges / benefits:

Profile: ***190***

Sam Elektronik

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Contact Person	
Name	**Bilal Dursun**

Area of activity

- Other

Profile: ***191***

TÜBİTAK (The Scientific and Technological Research Council of Turkey)

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Org. Type (Size)	Governmental body (250+)	

Contact Person

Name	**Elif Dogan Arslan**

Area of activity

- Biotechnology
- Health

Short description of company

The Scientific and Technological Research Council of Turkey (TÜBİTAK) is the leading agency for management, funding and conduct of research in Turkey. It was established in 1963 with a mission to advance science and technology, conduct research and support Turkish researchers. The Council is an autonomous institution and is governed by a Scientific Board whose members are selected from prominent scholars from universities, industry and research institutions.

Profile: ***192***

EFB Ltd

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www	www.e4business.eu	
Org. Type (Size)	Company (11-25)	

Contact Person	
Title	Mr
Position	CEO
Name	**Leonardo Piccinetti**

Area of activity

- Biotechnology
- Other

Short description of company

EFB is specifically focused in Innovation Management, providing support services to private and public organisations in Product and Process Innovation, Technology Transfer, IT solutions and support for research and development projects. Set up in 2007, EFB is a high-growth knowledge intensive company, doubling its turnover each year and expanding its operation in the whole Europe. The growth of EFB can be explained by the innovative and specific services that the company offers, by supporting Industrial and Research organisations in defining and implementing their innovation and research strategies, through the usage of advanced methodologies and ICT solutions oriented. Moreover, thanks to its multidisciplinary expertise, EFB has developed a specific expertise in setting up complex international technology transfer consortium and networks. The experience of the EFB team can be attributed to the strong involvement in R&D activities conducted with highly qualified European and international Companies and Research Centres such as University of North London (UK), Technical University of Rouen (France), Polytechnic of Turin (Italy), Maribor Business College, Oxford University, Incubator I3P, University of Venice (Italy),University of Lods (Poland), Tubitak (Turkey), Tecnologico of Monterrey (Mexico), University of Central Florida (USA), Local and Regional governments e.g Brighton and Hove Council (UK) , Comunitad Valenciana (Spain), Emilia-Romagna and Apulia (Italy), Stockholm (S), Small and Medium Enterprises Associations e.g (Birmingham Chamber of Commerce (UK) , Croatian Chamber of Economy (HR), Slovenian Business Research Association (SLO).

Headquartered in London and in Brussels EFB is made up of a pool of professional like Grant Advisors specialized in consultancy services for grants submission and negotiation, project management, and dissemination actions. engineers, lawyers and IT professionals with consolidated experience in international working environments (Europe,

Latin America, USA)
These skills are backed by additional research capability and an experienced administrative infrastructure. In the recent years EFB has participated inseveral European Funded projects, mainly funded by the Euroropean Commission's FP7. EFB has also taken in charge the dissemination activities of these EU funded projects thus boosting the communication impact of research activities in several fields.

INDERA

The project thus addresses current Work Programme for International Cooperation to reinforce the cooperation capacities of research centres located in India.
This overall objective and underpinning rationale of the proposal will be accomplished through a number of specific activities:

Monitoring and reviewing of state of the art in health sector in India , with particular emphasis on liver research. This objective will be achieved through the performance of an assessment of Indian health research organisations in terms of innovativeness, research capacities / activities, experience in international cooperation and EU projects participation. The assessment will be carried out by the local organisation that represents or is linked to the medical research community, according to common methodological criteria set by the consortium in the first phase of the project.
Training activities: Collaboration in setting up joint workshop modules based on the existing expertise and ongoing collaboration with other project partners to increase the mobility of researchers, thereby enhancing its RTD potential in multidisciplinary subjects (Health, environment and nurses) involved in the liver topic with a significant concern for the intensive care staff
Increasing Capacity building for cooperation activities in conducting health research by means of installing experimental stations for health treatment and management and Institutional Capacity Building for International Cooperation achieved through tutoring/coaching provided to the Indian beneficiary to facilitate their participation in future Calls for Proposals in order to support their integration into a competitive international consortium.
Facilitation and dissemination of Network integrating the Indian esearch centre with its European counterparts in order to improve the exchange of scientific knowledge and technology transfer, broker future scientific partnerships, and conduct joint scientific experiments

Profile: ***193***

European Bioinformatics Institute

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Email	ostolop@ebi.ac.uk	
www	http://www.ebi.ac.uk	
Org. Type (Size)	Research Organisation (250+)	

Contact Person	
Title	PhD
Position	Team Leader
Name	**Misha Kapushesky**

Area of activity

- Biotechnology
- Health
- Other

Short description of company

The European Bioinformatics Institute (EBI) is an academic research institute located on the Wellcome Trust Genome Campus in Hinxton near Cambridge (UK), part of the European Molecular Biology Laboratory (EMBL).
Our Mission
To provide freely available data and bioinformatics services to all facets of the scientific community in ways that promote scientific progress
To contribute to the advancement of biology through basic investigator-driven research in bioinformatics
To provide advanced bioinformatics training to scientists at all levels, from PhD students to independent investigators
To help disseminate cutting-edge technologies to industry