



EU-India PARTNERING EVENT

*Theme: Life sciences, biotechnology and
biochemistry for sustainable
non-food products and processes*

Chanchal K Mitra

**University of Hyderabad
Hyderabad, India**

A joint event organized by



This event is co-funded by
the Seventh Framework
Programme, European Commission



RESEARCH CENTRE



Health, Life Sciences, Bioinformatics, Biotechnology

We today have a decent knowledge of biology at the molecular level but there are lots of missing links

Bioinformatics is a tool that is extremely useful to find “similar patterns”

Biotechnology is nothing but laboratory molecular biology at the commercial scale

How does it matter in health?

We are currently looking at the promoter regions of various genes (from databases) and trying to understand their correlations and dependency.

We know proteins, we know the genes but we now want to know the relations

A joint event organized by



This event is co-funded by
the Seventh Framework
Programme, European Commission



INDIGO



EUINEC



European Business and Technology Centre



Biocircle



PROJECT IDEA



Health, Life Sciences, Bioinformatics, Biotechnology

We are currently trying the following experiments:

- ★ Locating the TFBS in the promoter regions of several genes
- ★ Using iron oxide nanoparticles covered with protein for anemia?
- ★ Developing a electrochemical biosensor for several hormones using gold nanoparticles as carrier for antibodies
- ★ Trying for a new classification for the TFs

A joint event organized by



This event is co-funded by
the Seventh Framework
Programme, European Commission



INDIGO



EUINEC



Biocircle



PARTNER SOUGHT



Health, Life Sciences, Bioinformatics, Biotechnology

To help us with a few research tools, mostly physical techniques

To help us with a few new biochemical ideas

To help us spot mistakes and suggest corrections

ALSO:

To have lots and lots of discussions and talks over and over again! Till we reach our goals.

FAILURE IS NOT AN OPTION

A joint event organized by



This event is co-funded by
the Seventh Framework
Programme, European Commission



INDIGO



EUINEC



Biocircle



CONTACT DETAILS



Health, Life Sciences, Bioinformatics, Biotechnology

Thank You

Chanchal K Mitra
School of Life Sciences
University of Hyderabad
Central University PO
Hyderabad 500 046

Email: c_mitra@yahoo.com

Tel: +91 40 2301 0814; 2313 4668

Fax: +91 2301 0120

A joint event organized by



This event is co-funded by
the Seventh Framework
Programme, European Commission

