



Thursday 5 November
EU-India PARTNERING EVENT

Theme: Health

Prof. Dr. Jan TYTGAT
University of Leuven (K.U.Leuven)
Laboratory of Toxicology
Belgium

KATHOLIEKE UNIVERSITEIT
LEUVEN



A joint event organized by



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European Biotechnological Technology Centre



RESEARCH CENTRE



Health Health Health Health

Laboratory of Toxicology

- HPLC purification: fractionation of crude, native material
- bioactivity assays: electrophysiology (voltage clamp)
on physiological targets (ion channels, receptors)
- LC/MS and AA sequencing: identification of lead compounds
- molecular biology: cDNA library construction and gene cloning
(transcriptome analysis)
- lead compound optimisation: structure-function research
(mutagenesis, chimers)
- lead compound valorisation: *in vitro* testing, preclinical *in vivo* testing
😊 "file a joint patent" 😊

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PROJECT IDEA

Health Health Health Health

Exploring India's traditional biodiversity for state-of-the-art drug discovery

Marine



Terrestrial



Analgesic: chronic pain



Antibiotics/Antivirals
Immunosuppressants
Insecticides

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INDIGO



EUINEC



European Business and Technology Centre



Biocircle



PARTNER SOUGHT



Health Health Health Health

Partner with:

Access to: India's biodiversity (marine and terrestrial)

Interest in: pharmacology, biotechnology, drug discovery

Knowledge in: species identification (plants and animals), field trips, sample collection/preservation



optional: fractionation/separation (chromatography),
bioassay testing
lead compound structure identification
in vitro or in vivo function characterization

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CONTACT DETAILS



Health Health Health Health

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