

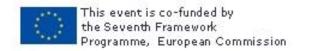
EU-India PARTNERING EVENT

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













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

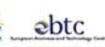
How does it matter in health?

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











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











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











CONTACT DETAILS



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Thank You

