National Centre for Biological Sciences
Tata Institute of Fundamental Research
GKVK Campus, Bangalore 560 065
Tel: 080-3636420-32 Fax: 080-3636662

Visiting Post-Doctoral Fellowships

The National Centre for Biological Sciences (NCBS) has been established by the Tata Institute of Fundamental Research. It is located on the campus of University of Agricultural Sciences, Bangalore.

A small number of post-doctoral fellowships tenable at NCBS are available each year. Applications from those with a Ph.D. degree or equivalent (in any branch of natural science/engineering) and demonstrated research capabilities will be entertained throughout the year and will be considered in February and August. Applicants should summarize recent research experience and include names and addresses of three persons who can be contacted for a critical evaluation of the applicant’s research.

The mandate of NCBS is basic research in the frontier areas of biology. In addition, a collaborative Physics in Biology Program (with TIFR-Mumbai campus and Raman Research Institute) has been initiated to bridge the language & tools of physics, chemistry, engineering and biology. Current research interests of the faculty are in the following:

A. Biochemistry, Biophysics and Bioinformatics
   1. Mechanisms of protein folding and unfolding (Jayant Udgaonkar)
   2. Ion transport through membranes (M. K. Mathew)
   3. Computational approaches to protein science (R. Sowdhamini)
   4. Single-molecule physics of biological systems (G. Shivashankar)

B. Cellular Organization and Signalling
   1. Notch signalling in human cancer (Sudhir Krishna)
   2. Mechanisms of endocytosis (Satyajit Mayor)
   3. Lymphocyte death and immune homeostasis (Apurva Sarin)

C. Genetics and Development
   1. Nerve and muscle development in Drosophila (K. VijayRaghvan)
   2. IP3 signalling pathways in Drosophila (Gaiti Hasan)

D. Neurobiology
   1. Genetic analysis of chemosensory perception (O. Siddiqi)
   2. Molecular neurobiology (M. M. Panicker)
   3. Computational neuroscience (U. S. Bhalla)
   4. Cellular neurophysiology (S. Chattarji)

The NCBS web page at http://www.ncbs.res.in has brief accounts of the research projects being undertaken by these groups and about the Physics in Biology Program.

Applications may be sent to the Head (Academic Activities) at the above address.

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