

National Centre for Biological Sciences

Tata Institute of Fundamental Research

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VISITING FELLOW POSITIONS

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 Visiting fellowships tenable at NCBS are available each year. Applications from those with a Ph.D. degree or equivalent 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. Current research interests of the faculty are in the following:

Structural and Cell Biology

1. Ion transport through biological membranes (M. K. Mathew)
2. Mechanisms of membrane traffic in cells (S. Mayor)
3. Structure–function studies of microtubule motor proteins *in vitro* and *in vivo* (M. Mazumdar)
4. Computational approaches to protein science (R. Sowdhamini)
5. Dynamics of protein folding (Jayant Udgaonkar)

Neurogenetics

1. IP₃ signalling pathways (Gaiti Hasan)
2. Chemosensory genetics (O. Siddiqi)
3. Development of the nervous system and muscles (K. VijayRaghavan)

Biology of Disease

1. Papillomavirus transcription and assembly in cervical cancers and during skin differentiation (Sudhir Krishna)
2. Lymphocyte death and immune homeostasis (Aparva Sarin)

Molecular and Systems Neuroscience

1. Computational neuroscience (U. Bhalla)
2. Cellular neurophysiology of learning and memory (S. Chattarji)
3. Gene expression and regulation in the nervous system (M. M. Panicker)

The NCBS web page at <http://www.ncbs.res.in> has brief accounts of the research projects being undertaken by these groups.

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