

NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH

NIPER - KOLKATA At INDIAN INSTITUTE OF CHEMICAL BIOLOGY

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National Institute of Pharmaceutical Education and Research (NIPER), Kolkata was created in 2007 under the aegis of Ministry of Chemicals and Fertiliser as a centre of excellence for higher education, research and development in pharmaceutical sciences. The institute was declared as an Institute of National importance by Government of India through Act of Parliament (NIPER Act 1998 & NIPER amendment Act 2007).

At present the new Institute is housed at Indian Institute of Chemical Biology (IICB), a premier Institute of the Council of Scientific & Industrial Research, India.

The mentor Institute was established in 1935 as the first non-official centre in India for biomedical research and was included within the aegis of CSIR in 1956. IICB today is engaged in research on diseases of national importance and biological problems of global interest, employing sophisticated state-of-the-art technology in keeping with the rapid and unprecedented momentum that life science research has gained globally over the last 50 years. The scientific staff have expertise in a variety of areas including chemistry, biochemistry, cell biology, molecular biology, biotechnology, neurobiology, immunology, structural biology and bioinformatics, which promotes productive interdisciplinary interactions of the major laboratories in India. These interactive exercises initiated, right from its inception, multidisciplinary concerted efforts for conducting basic research on infectious diseases, specifically leishmaniasis and cholera, along with the development of technologies for the diagnosis, immunoprophylaxis, and chemotherapy of the diseases. A neurobiology group is involved in research on the development of the vertebrate brain and also the genesis of human movement disorders. Bioactive substances from natural sources and chemically synthesized new molecules are being explored as potential drugs. Other areas being actively pursued are gastric hyperacidity and ulcer, muscular dystrophy and related disorders, macromolecular structure-function analysis, development of targeted drug delivery systems, sperm biology, protein chemistry and enzymology.