



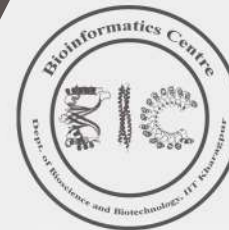
GN Ramachandran Lecture Series

on

Bioinformatics and Computational Biology

Organized by

DBT supported Bioinformatics Centre
Department of Bioscience and Biotechnology
IIT Kharagpur



Speakers:



Prof. M.R.N. Murthy
IISc Bangalore



Prof. B. Jayaram
IIT Delhi



Prof. M. Michael Gromiha
IIT Madras



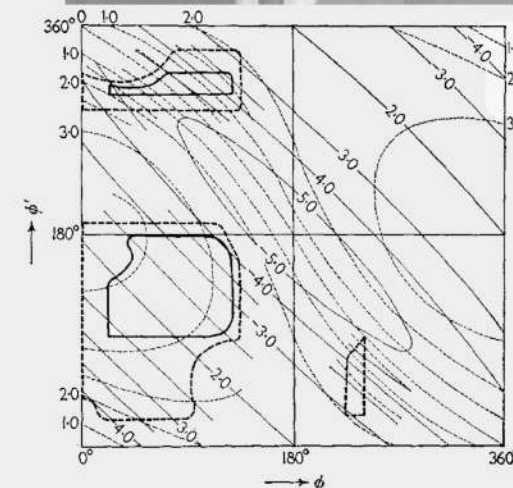
Prof. Soumalee Basu
University of Calcutta



Prof. Neelanjana Sengupta
IISER Kolkata



Dr. Richi V. Mahajan
DBT New Delhi



Venue:

Department of Bioscience and
Biotechnology, IIT Kharagpur



Registration link: <https://forms.gle/StEaJrFPo5RkydL7>

G. N. Ramachandran: A Jewel in the Crown of Indian Science

Professor G.N. Ramachandran was one of the most brilliant scientists with an intelligently gifted mind in post-independence India. Born on 8th of October 1922, he received his primary and secondary education in the erstwhile princely state of Cochin. With undergraduate and postgraduate degrees in Physics, Prof.G.N. Ramachandran received his doctoral degree from Cambridge University, UK in the field of X-ray diffraction. After completing doctoral degree, Prof.G.N. Ramachandran joined the Department of Physics of Indian Institute of Science as an Assistant Professor of Physics in 1949. He was in charge of the X-ray Diffraction Laboratory that he was instrumental in building as a student. After spending about two years at the Indian Institute of Science, he shifted to Madras University, where he and his group made lasting contributions to the field of Biophysics. Prof.G.N. Ramachandran and his peerless postdoctoral fellow, Dr. Gopinath Kartha proposed the triple helical structure of collagen in 1954. Several studies on the structure and conformation of proteins and peptides resulted in the development of the eponymous "Ramachandran Plot", which was published in the Journal of Molecular Biology in 1963 and has become a gold standard for studying the protein conformations.

About the Department

The Indian Institute of Technology Kharagpur (IIT Kharagpur or IITKgp) is the First IIT established by the Government of India in 1951. It is recognized as an Institute of National Importance and recently, as an Institute of Eminence by the Government of India. The Institute was established with a mandate to produce world class engineers and scientists after our independence in 1947. IIT Kharagpur launched M.Tech. program in Biotechnology & Biochemical Engineering way back in 1986. Wide appreciation of the program in the country and abroad led to introduction of an UG program in Biotechnology & Biochemical Engineering in 1994. Subsequently, the Department of Bioscience and Biotechnology (<http://www.bt.iitkgp.ac.in>) was established in 1999 to run the UG and PG programs independently. Presently, the Department is running 4-Year B. Tech, 5-Year dual degree (B. Tech & M.Tech), 2-Year M.Tech and Ph.D programs in Biotechnology & Biochemical Engineering. The department also runs 2-Year M.Sc program in Chemical Biology. The faculty members are involved in research and development in emerging areas of basic biological science and their applications in various domains along with Industry-institute participation.

About Bioinformatics Centre

The DBT supported Bioinformatics Centre (BIC) was set up in 2022 at the Department of Bioscience and Biotechnology IIT Kharagpur. The mission of this centre is to provide a national level facility and expertise in Bioinformatics and Computational Biology by pursuing cutting edge research and development along with the focused man-power training in various fields of Bioinformatics and Computational biology. Faculty members involved in this centre has significant contributions in the areas of Structural Bioinformatics, Biomolecular simulations, Big-data analysis in genomics, proteomics and systems level metabolomics analysis. As a mark of respect, honoring and remembering scientific contributions made by Prof. G.N. Ramachandran, the Bioinformatics Centre, Department of Bioscience and Biotechnology, IIT Kharagpur is organizing the G.N. Ramachandran lecture series on 14th of October 2025.