



BIO-DATA – DR SIDDHARTHA ROY

Siddhartha Roy is currently the Director (Officiating), Senior Professor, and Dean of Studies at Bose Institute. He obtained his Ph.D. in Chemistry with specialization in Biochemistry from University of Delaware and went on to do his post-doctoral research at Brandeis University and National Institutes of Health.

Some important posts held include Director, Indian Institute of Chemical Biology, Kolkata (2004-2014), Director-in-charge, National Institute of Pharmaceutical Education and Research-Kolkata, Govt. of India (2007-2014). He was also Visiting Professor/Scientist in Osaka University and National Institutes of Health, Bethesda Maryland. He is the Founder-President of Chemical Biology Society of India. Important awards and honors include, Santi Swarup Bhatnagar Prize, Fellow, Indian National Science Academy (F.N.A.), Fellow of Indian Academy of Sciences (F. A. Sc.), Fellow, Royal Society of Chemistry, UK, J.C. Bose National Fellowship, Meritorious service award, Department of Health and Human Services, USA. He served in the Editorial Advisory Boards of international journals including, RSC advances, Molecular Pharmacology and ACS Chemical Biology.

In early career, important research achievements include the first hydropathy plot of proteins to distinguish between protein interiors and exteriors, first complete assignment of a nucleic acid imino proton spectra by Nuclear Overhauser Effect and first regio-specific isotope labeling of sugars in nucleic acids. Later career achievements include, demonstration of DNA-sequence dependent conformation of prokaryotic transcription factors and its importance in transcription regulation; elucidation of a comprehensive thermodynamic model of regulation of transcription initiation and development of a constrained helical peptides as protein-protein interaction inhibitors and synthetic transcription factors. He has 130 Publications in Internationally peer-reviewed journals with average impact factor of ~4.5. H-index = 30. 10 international patents.