



2nd Edition

Seminar on Biotech and Pharmaceuticals

Theme : Unravelling Genome: A bloom for Drug Development

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**Prof. (Dr.) Dhruvajyoti
Chattopadhyay**
Vice Chancellor
Sister Nivedita University

Prof. (Dr.) Dhruvajyoti Chattopadhyay is currently the Hon'ble Vice Chancellor of Sister Nivedita University, Kolkata from January 2020 onwards and was the Founder Vice Chancellor of Amity University Kolkata from 2015-2019. He was the Dean, Faculty of Science at the University of Calcutta from 2003 to 2007. He was the Pro-Vice Chancellor of the University of Calcutta on 2008 till 2015. He was also the Director at the Centre for Research in Nano Science and Nano Technology at the University from 2007 till 2015.

He graduated as a Bachelor in Science from the Presidency College, Kolkata with a major in Chemistry and did his Masters in Science in Bio-Chemistry and completed his PhD from Bose Institute Calcutta, Department of Bio-Chemistry at Bose Institute, Calcutta.

He has a research experience of more than 37 years. He had been to Roche Institute of Molecular Biology in New Jersey, USA as a visiting Post-doctoral Fellow, A Visiting Project Scientist in Cleveland Clinic Foundation, Cleveland Ohio, USA, Stowers Research Institute, Kansas City, USA, University of Texas, Houston, Austin & Galveston Campuses USA, Nihon University, Hosei University, Okayama University in Japan. He also visited Research Institutes and Universities in South Korea, Taiwan, Republic of China, Malaysia and Thailand.

He is also the recipient of numerous awards, accolades and distinctions which includes The Young Scientist award in 1989, Member of Guha Research Conference in 1992, Professor Umakant Sinha Memorial Award in 1992, Fellow of the National Academy of Science in 1998, He received the prestigious UNESCO-IUMS-MIRCENS-SGM fellowship to carry out research under the department of Bio-chemistry at the University of Texas. He has life time memberships in various Organisations and Scientific Associations like Indian Science Congress Association, Member of the Asiatic Society, Member of Biotechnology Society, Member of Virological Society and so on.



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Dr. Saikat Chakrabarti

Senior Principal Scientist & Deputy
Head, Structural Biology &
Bioinformatics, CSIR – Indian
Institute of Chemical Biology

Dr. Saikat Chakrabarti is a Senior Principal Scientist, CSIR-IICB. He completed his PhD from NCBS, TIFR, Bangalore followed by post-doctoral research at NCBI/NLM/NIH, Bethesda, Maryland, USA. His research is a unique and rare amalgamation of biology, chemistry, mathematics, data science, and AI-ML based interpretations to understand the alterations of biomolecular interplays in systemic diseases like cancer and host-pathogen interactions in infectious diseases (e.g. malaria, leishmaniasis). His group focuses on uncovering and studying key interactions between proteins, DNA, and other large molecules by integrating large-scale "omics" data.

Their approach includes:

- a) Developing tools using network biology, mathematical modeling, machine learning, and graph theory,
- b) Analyzing molecular interaction patterns with advanced modeling, docking, and simulation methods, and
- c) Validating potential biomarkers through experimental techniques.

His group has uplifted the systems biology research in India and contributed significantly in identification of novel diagnostics and prognostic markers in cancer and leishmaniasis.

Their unique skills and expertise in various strata of bio-medical research has gained national and international attentions owing to publications of numerous research papers in the last 10 years.



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Dr. Dwaipayan Bharadwaj
Sr. Professor
Sister Nivedita University

Prof. Dwaipayan Bharadwaj received his PhD in Biochemistry from Calcutta University and subsequently was a Research Associate at the University of New Mexico. He joined CSIR-Institute of Genomics and Integrative Biology as a faculty in 2000, where he established a lab focused on the genetics and functional genomics of complex disorders, particularly Type 2 Diabetes (T2D), using an integrative approach across bioinformatics, genomics, epigenetics, and proteomics. His team conducted India's first Genome-wide association study (GWAS) on T2D (1st of any disease in Indians), and other metabolic traits in Indian adults, and led the first genome-wide methylation study of T2D. He also contributed to India's first human genome sequence paper. He joined as a Professor in the School of Biotechnology, Jawaharlal Nehru University, New Delhi, in 2015, where he led the largest single-cohort genetic study on childhood obesity globally, combining GWAS and Exome wide association study (ExWAS) in Indian children. His group also explores the genetics of metabolic and endocrine traits in children. He founded the Indian Diabetes Consortium (INDICO), the largest collaborative diabetes research network in India. He also proposed the "Mosaic Model" as an alternative to the widely accepted "Common variant common disease" model. Prof. Bharadwaj was Consulting Editor in the journal "Diabetes". His accolades include the prestigious Prof. L.D. Sanghvi Oration Award (2022), Prof. G.K. Manna Memorial Award (2018), DBT-CREST Award (2011), MDRF-UOM Oration Award (2011). He is an elected Fellow of National Academy of Sciences (FNASc), 2011.



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Dr. Sayak Ganguli, Assistant
Professor, St. Xavier's College

Dr. Sayak Ganguli, currently serving as an Assistant Professor in the Postgraduate and Research Department of Biotechnology at St. Xavier's College (Autonomous), Kolkata, is a distinguished academician with over 15 years of teaching and research experience. His multidisciplinary expertise spans plant and computational biology, genomics, bioinformatics, and ethnomedicine. He was part of the prestigious DBT- BTBI platform aimed towards Bioinformatics teaching and research where he pioneered the concepts of Bioinformatics outreach programs. He has designed and taught an array of courses including Genomics and Bioinformatics, Biostatistics with R, Intellectual Property Rights as part of both CBCS and NEP curriculum. His academic leadership is reflected in his pivotal roles in organizing and chairing national and international conferences, such as the International Symposium on Biotechnology (2023, 2024), and the International Conference on Climate Change (2021). He has served on key academic bodies, including the Institutional Biosafety Committee (2025–2028) and Research Advisory Committees at multiple universities.

He has received numerous accolades, including the Aurobindo Guha Gold Medal (2003), DST Travel Award (2012) and Best Presenter Award in a UGC-HRDC Faculty Induction Program (2022). Notably, he was selected as an Early Career Researcher at the Newton Bhabha Researcher Link Workshop on Mangrove Resilience (2022). His lab has submitted over 50 metagenomic and transcriptomic datasets to NCBI, significantly contributing to public bioinformatics resources. He is an active member of several scientific societies including the Japanese Society of Microbial Ecology, Society of Biological Chemists, and Indian Science Congress Association.

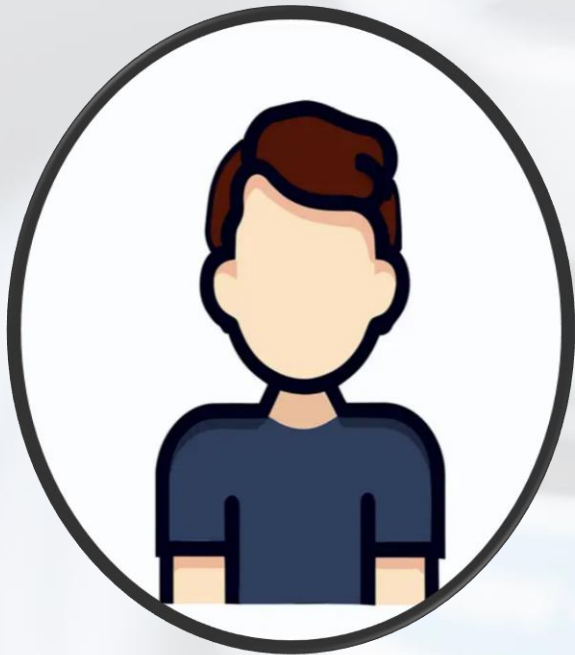


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Mr. Sumit Sinha
Founder
Omics Bank

Mr. Sumit Sinha is a 5X serial entrepreneur. With over 20 years of technology experience, he has built 5 companies in last 12 years with 3 cash exits. He has keen interest in Healthcare and have spent time with WHO/UN solving healthcare equity issues in Lower and Middle Income Countries. His latest startup is in the space of Biotech and healthcare data. He holds 11 technology patents and has built technology for over 20 years in building tech right from ATM machines, mobile phone tech, to Agentic AI.



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Mr. Debarshi Dutta Gupta

Managing Director

East India Pharmaceutical Works Ltd.

Designation	:	Managing Director
Name Of The Company	:	East India Pharmaceutical Works Ltd
Educational Qualifications	:	Pathbhavan High School – 1996. South City College Of Commerce Xi – Xii Calcutta University, Department Of Law – 1996 – 2001 Practicing Advocate In Calcutta, High Court – 2001 – 2002.
Recipient Of	:	Indian Achivers Award For The Young Entrepreneur For “ Health Care Excellence, 2010, New Delhi” Indian Achivers Forum “ International Achivers Award, Dubai, Uae 2012”. Indian Achivers Forum “ International Achivers Award, Destination Usa, New York 2016”. “ Mahatma Gandhi Samman Award” Awarded By NRI Welfare Society Of India At House Of Commons, Westminister, London, United Kingdom.



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Mr. Probhas Bondhu Chakraborty

Managing Director
Mendine Pharmaceuticals Pvt. Ltd.

- Managing Director at Mendine Pharmaceuticals Pvt. Ltd. since 2005.
- Joined as a Technical Director at Mendine Pharmaceuticals Pvt. Ltd., West Bengal, in the year 2001 overseeing the upgradation of production facilities to cGMP (200) levels.
- Started his career as Process Engineer at Haldia Petrochemicals Ltd.
- Completed the Senior Management Programme (Executive MBA from Indian Institute of Management, Calcutta)
- Bachelor of Technology (B. Tech - Hons.) in Chemical Engineering from Haldia Institute of Technology
- Launched a dynamic and innovative Pharma marketing company, Mendine Lifecare Products Pvt. Ltd. (MLPPL)
- Incubated several start-up ventures: Educyte (A Skilling Initiative), IECS (Inner Eye Consultancy Services - Analytics & Process Software Solutions platform)
- A member of the National Executive Committee and Hon. Jt. Secretary of the Indian Drug Manufacturers' Association (IDMA-Chapter West Bengal) and the Secretary General of the West Bengal Pharmaceutical Manufacturers' Association (WBPMA)
- A valued member of other several associations including FICCI (WBSC), BNCCI, ICC, Indian Pharmaceutical Association (IPA), Alumnorum Societas (SXC), Health Sector Committee (BGBS)



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Dr. Kuntal Ganguly
Head - R & D



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Dr. Barun Kanta Bhattacharyya

Manager – Research and
Development
East India Pharmaceutical Works
Ltd.

- Ph.D. in the field of Microbiology
-
- More than twenty four years of industrial R&D experience
-
- Life member of Biotech Research Society India (BRSI) and Association of Microbiologists of India (AMI)
-
- Editorial Board member of Biotech Express Magazine
-
- Member of BOS (Board of Studies) ST. Xavier's College, Biotechnology Department
-
- Papers in International peer reviewed journals and have one patent
-
- Worked with different Research Institutes (NCL, Pune; NICED, Kolkata) and commercial organizations (Chr. Hansen, Denmark; Advanced Enzymes, Unique Biotech) in different collaborative projects.



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Dr. Kinkini Roy

Associate Director, Aviceda
Therapeutics
Boston, Massachusetts,
USA

Kinkini Roy, born in North Calcutta, India, graduated from the University of Calcutta with a Master's degree in Biochemistry and went to USA in 2003 to pursue her PhD. Dr. Roy achieved her PhD from the University of South Carolina, Columbia, USA, in nanomaterials, and a post-doc from the University of Massachusetts Amherst in Polymer Science & Engineering, USA in polymer. She also received a Diploma from Harvard Business School in Leadership and management.

Leveraging over 15 years of industry experience in the USA, she worked in disruptive Boston-based biotech like Lyndra Therapeutics (slow-release oral delivery), Phosphorex (nanoparticle-based injectable for RNA and peptide delivery), as well as in a Fortune 500 company like Lubrizol. At Lubrizol, she built a new department on Purification from scratch.

Currently, Dr. Roy serves as the Associate Director of Formulation Drug Product Development at Aviceda Therapeutics, a disruptive clinical-stage biotech company in Cambridge, Massachusetts, where she leads the program for targeted nanoparticle-based injectable drug delivery. Dr Roy was at Lyndra Therapeutics as a principal investigator, formulation lead, and CMC lead. There, she played a pivotal role in developing a slow-release drug delivery system designed to remain in the stomach for 20 days, aimed at treating mental illnesses such as schizophrenia.

Dr Roy presented at numerous international conferences on nanoparticle-based nucleic acid delivery.

Dr. Roy achieved numerous awards and recognitions, including inclusion in the Marcus Who's Who and Who's Who, as well as the American Chemical Society and *the International Association of Top Professionals (IAOTP)*.



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Prof (Dr) Subhrojyoti Bhowmick
Vice President
KPC Medical College & Hospital

- Gold Medalist
- MD (Pharmacology), Certified in Patient Safety (Johns Hopkins University, USA) EPHM (IIM Calcutta), FRCP (Edin)
- ISQua Lucian Leape Patient Safety Fellowship Award 2019 Winner
- NABH Assessor for Hospitals and Ethics Committee
- Honorary Lecturer, Institute of Clinical Sciences, University of Birmingham. UK
- Consultant, Digital Health Programs, Maulana Abul Kalam Azad University of Technology (formerly WBUT), West Bengal, India
- Formerly attached to Stanford University School of Medicine, USA



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Dr. Iman Ehsan

Associate Professor, Pharmacy
Sister Nivedita University

Dr. Iman Ehsan is an experienced researcher and academician with over 12 years of expertise in the field of pharmaceutical sciences. She specializes in novel drug delivery systems, site-specific formulation development, post-formulation characterization, and morphological analysis of formulations. Her technical skills encompass the handling of advanced analytical instruments used in both in vitro and in vivo assessments.

Her research areas include in vitro cellular studies with a focus on cancer and inflammatory diseases, involving both qualitative and quantitative methodologies. She is highly proficient in cell culture techniques and various analytical methods essential for translational research. Additionally, Dr. Ehsan possesses substantial experience in animal handling for in vivo pharmacokinetic studies, biodistribution assessments, and disease model development.

Dr. Ehsan earned her Doctor of Philosophy (Ph.D.) in Pharmacy from the Department of Pharmaceutical Technology, Jadavpur University, Kolkata. She further advanced her research career as a Post-Doctoral Researcher at the Department of Pharmaceuticals, National Institute of Pharmaceutical Education and Research (NIPER), Kolkata. Over the years, she has been honored with prestigious fellowships from the Indian Council of Medical Research (ICMR) and the Department of Science and Technology (DST), New Delhi.

Her academic credentials also include a CPD certification from the Global Solid Tumor Summit and a course certificate from Johns Hopkins University on Understanding Cancer Metastasis. Dr. Ehsan has authored a number of publications in reputed peer-reviewed journals, contributing significantly to the field of pharmaceutical and biomedical research.



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Mr. Deepak Daftari
Director & CEO
DD Web Vision Pvt Ltd

Mr. Deepak Daftari is helping Fortune 100 & 500 clients / companies acquire strategic domain assets and potential billion dollar brand names.

Mr. Daftari have 15+ years of extensive knowledge in stealth acquisitions of desired Domain Name Brands, having closed numerous 6 and 7 figure domain deals for Self Portfolio and Client requests.

He owns a large portfolio of very valuable Million \$\$ Domain Names like Mischief.com, Majesty.com, CoFounder.com and many more.

Mr. Daftari is an active Angel Investor.

Some of his invested companies are- Agnikul, Cosmos, Astrogate Labs, EduGorilla, ShieldSquare, Ideal Insurance, Hornet.

He is currently the Chair for the IT Entrepreneurs & Tech Startups Committee at The Bengal Chamber of Commerce & Industry.

He is a Mentor to the Start-ups being Incubated at the BCCI Tech Incubation Center, in partnership with Govt. of West Bengal & Bandhan Bank and is also a part of the Management Committee at The Bengal Chamber of Commerce & Industry.

He is also the Past President of TiE Kolkata



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Mr. Harshad Lalwani

Founder & CEO
Hummsa Biotech

Mr. Harshad Lalwani is the Founder and CEO of Hummsa Biotech, an innovation-driven biotech company developing next-generation therapeutics, including India's first oral small molecule GLP-1 receptor agonist for diabetes and metabolic disorders. Under his leadership, Hummsa Biotech has built a strong preclinical pipeline with global ambitions and is pioneering approaches at the intersection of drug discovery, translational research, and real-world clinical impact. Harshad actively collaborates with leading academic and industry partners, and is committed to bridging cutting-edge science with accessible healthcare solutions. He is recognized for his entrepreneurial vision, executional focus, and commitment to advancing India's presence in global biotech innovation.



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Mr. Saurav Jaiswal

Co-Founder & Managing
Director

Diverse Genomics Pvt. Ltd.

- A dynamic leader and entrepreneur, serving as the Co-Founder & Managing Director of Diverse Genomics Pvt. Ltd.
- Responsibilities include managing HR, R&D, Clinical Oncology, Genomics, Business Development & Sales, and other corporate functions
- Indian Institute of Technology, Kharagpur Certificate Program, Artificial Intelligence
- MBA Degree in Marketing and Finance from ISB&M-K
- Bcom. (Hons.) degree from Calcutta University
- Mentor at International Management Institute, Kolkata January 2023 - Present
- Partner at The Managers (India) Partner June 2013 - March 2020



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Dr. Sandipan Dawn
Senior Principal Scientist
Ocular Therapeutics,
Boston, Massachusetts,
USA

Sandipan was born and raised in the College Street area of Kolkata and finished his MSc in Biochemistry from the University of Calcutta. After moving to the United States in 2004, he completed his PhD in nanomaterials at the University of South Carolina (Columbia) and his postdoctoral studies in biopolymers at the Conte National Center for Polymer Research at the University of Massachusetts-Amherst.

Over the past 15 years, Sandipan has worked in Fortune 500 companies (Lubrizol, Unilever) as well as Boston-based innovation startups from MIT (Living Proof, Ocular Therapeutics) in various technical and management capacities.

In all these roles, Sandipan contributed to the nanomaterial-based controlled slow release delivery of drugs or actives in various modalities, ranging from small molecules to peptides to nucleic acids. Recently, he has presented on this topic in invited conferences locally in Boston, as well as in Europe and the rest of the Americas. He has also been awarded Merque's Who's Who in America 2024, the American Chemical Society P2F 2013, and the Best Graduate Student award from USC, among many other international honors. Dr. Dawn has also participated in several leadership and communication programs at Harvard Business School over the past five years.