FDP on "Computational Genomics: Path to Precision Medicine"

Days	Session (PM)	Title of the Talk	Speaker
Day 1 24.03.2025	7.00-7.30	Welcome Address	
	Session 1- 7.30-9.00	Artificial Intelligence (AI), Application in Clinical Genomics and Diagnostics	Dr. Saurav Guha, Director, Molecular Diagnostics, New York Genome Center
	Session 2- 9.00-10.00	Precision Medicine in India- How far we achieved.	Dr. Maitreyee Bhattacharya, Professor and Director, Institute of Hematology and Transfusion Medicine, Medical College, Kolkata
Day 2 25.03.2025	Session 1- 7.00-8.30	Investigating the genomics and epigenomics landscape in pediatric population using novel genomic techniques.	Dr. Surajit Bhattacharya, Staff Scientist, Children's National Hospital, Washington, D.C
	Session 2- 8.30-10.00	AI methods applied to DNA-shape based analysis of genomes	Dr. Shandar Ahmad, Professor JNU, DBT Coordinator
Day3 26.03.2025	Session 1- 7.00-8.30	Pharmaco-Genomics and the AI-powered Future for Personalized Treatment	Mr. Arindam Halder, Senior Consultant, Health Care Industry, TCS Research
	Session 2- 8.30-10.00	Emerging Landscapes of NGS based Molecular Diagnostics	Dr. Sameer Phalke, Director, Laboratory Sciences, Strand Life Sciences, Bangalore
Day 4 27.03.2025	Session 1- 7.00-8.30	Meta genomics and human health	Dr. Anirban Dutta, Principal Scientist, in Life Sciences R&D,TCS-Research, Pune
	Session 2 8.30-10.00	Harnessing the power of OMICS in public health	Dr. Suman Paine, Chief Scientific Officer, PDxRL, Kolkata
Day 5 28.03.2025	Session 1- 7.00-8.30	Cancer Genomics: Analyzing the Role of Genetic Variations in Tumorigenesis	Dr. Nita Parekh, Associate Professor, Center for Computational Natural Sciences and Bioinformatics, IIIT, Hyderabad
	Session 2- 8.30-9.30	Integrative bioinformatics for understanding variation in human cardio respiratory fitness	Dr. Sujoy Ghosh, Professor and Director, Bioinformatics and Computational Biology Pennington Biomedical Research Centre, United States
	9.30-10.00	Valedictory Session	