



ICGA2024 Schedule



Friday, 20 September 2024

12:30	14:00	Registration (<i>auditorium</i>)
13:00	14:00	Lunch (<i>NII grounds</i>)
14:00	14:05	Welcome Address: Dr. Debasisa Mohanty, BRIC-NII (<i>auditorium</i>)
Session 1:		Advancements in Cancer Research: From Molecular Insights to Clinical Applications <i>Chair: Dr Philip Beer, Step Pharma, UK</i>
14:05	14:30	<i>Understanding Breast Cancer in young premenopausal women from Indian cohorts- Exploration of cross talks between steroid hormones and nuclear receptors.</i> Prof. Jyothi S. Prabhu, SJRI, Bengaluru
14:30	14:55	<i>Biomolecular research: the real test is when it reaches the last person on the ladder</i> Prof. Sunil Kumar, AIIMS, Delhi
14:55	15:20	<i>Bridging Clinic, Epidemiology, and Biobanking: Lessons to Oncology from Precision Cardiology</i> Prof. D. Prabhakaran, CCDC, India
15:20	15:45	<i>Breast cancer in young- is triple negative an Indian stereotype</i> Prof. Chintamani, Sir Ganga Ram Hospital (SGRH), Delhi
15:45	15:55	<i>Non-invasive early detection of multiple cancers (Sponsored Talk)</i> Dr. Vamsi Veeramachaneni, Strand Life Science
15:55	16:25	Tea/Coffee break (<i>Rock Garden</i>)
16:25	18:15	Poster session (<i>NII Grounds</i>)
Session 2:		Omics Innovations in Cancer Research (<i>auditorium</i>) <i>Chair: Dr Debasisa Mohanty, BRIC-NII</i>
18:15	18:40	<i>The Genomic Jigsaw Puzzle: Unraveling Head and Neck Cancer Through Integrative Approaches</i> Prof. Amit Dutt, University of Delhi, South Campus, Delhi

18:40	19:05	<i>RNA-omics: knight in shining armour to decode the complex transcriptome of glioma patients</i> Prof. Ritu Kulshrestha, IIT, Delhi
19:05	19:30	<i>PHALCON: Scalable variant calling from single-cell panel sequencing dataset from cancer patients</i> Dr. Hamim Zafar, IIT, Kanpur
19:30	21:00	Networking Dinner (NII Grounds)

Saturday, 21 September 2024

Session 3:		Integrating Omics in Cancer Research (auditorium) <i>Chair: Dr. JC Zenklusen, TCGA, NIH, USA</i>
9:15	9:40	<i>Targeting the Hidden: Discovery of Dark Neoantigens and Vaccine Targets in Pancreatic Cancer</i> Prof. Anguraj Sadanandam, ICR, London, UK
9:40	10:05	<i>Multi-allelic Mutations of Tumor Suppressor Genes in Cancer Evolution</i> Dr. Sabarinathan Radhakrishnan, TIFR-NCBS, Bengaluru
10:05	10:30	<i>Atlas of Blood Cancer Genomes: Our 10,000-patient odyssey to translating genomics</i> Prof. Sandeep Dave, Dukes University, USA
10:30	10:55	<i>A Targeted Panel of 295 Genes for Multiple Myeloma</i> Prof. Anubha Gupta, IIIT Delhi
10:55	11:05	<i>Revolutionize Life Sciences Research with AI on AWS cloud (Sponsored Talk)</i> Mr. Mainak Chakraborty, AWS, India
11:05	11:35	Tea/Coffee Break
11:35	12:00	<i>Keynote: Technology in Medicine and Healthcare</i> Prof. Abhay Karandikar, Secretary to the Government of India, Department of Science & Technology
Session 4:		Panel Discussion

12:00	13:00	Career Options: Inspiring Trajectories <i>Panelists: Dr. Banyar Kar (BRIC-NII), Dr. Madhuri Dutta (The George Institute of Global Health), Dr. Nitya Nand Sharma (Premas Life Sciences), Dr. Amitavo Mitra (Saikrishna & Associates), Dr. Narendra Kumar (BRIC-NII)</i>
13:00	14:00	Lunch
Session 5:		Panel Discussion
14:00	15:00	Generative AI in Healthcare: Role in Onco-genomics <i>Panelists: Dr. Anamika Gambhir (DBT, Gol), Dr. Anand Deshpande (Persistent Systems), Prof. Anurag Agrawal (Ashoka University), Dr. Krithika Rangarajan (AIIMS New Delhi), Prof. Sunil Badve (Emory University)</i>
Session 6:		Lightning Talks <i>Chair: Prof. Anurag Agrawal, Ashoka University</i>
15:00	15:10	<i>Enhancing Cancer Patient Care: Integrating Palliative Approaches and LLM(Large Language Model)s</i> Mr. Ashish Makani, Ashoka University, Sonipat
15:10	15:20	<i>Integrated Multi Omics Analysis of Young Onset Breast Cancer – An In-Silico Approach, Using Public Datasets</i> Mr. Hari PS, SSCHRC, Bengaluru
15:20	15:30	<i>Multi-ensemble machine learning framework for omics data integration: A case study using breast cancer samples</i> Dr. Sunitha M Kasibhatla, C-DAC, Pune
15:30	15:40	<i>Designing a Data-driven Discovery Framework for Oncology: Opportunities and Challenges</i> Dr. Urmila Kulkarni Kale, Citadel Precision Medicine, India
15:40	15:50	QnA
15:50	16:20	Tea/Coffee Break
Session 7:		Innovative Approaches in Cancer Research: From Microbiome to Omics <i>Chair: Prof. Shekhar Mande, Savitribai Phule Pune University</i>
16:20	16:45	<i>Gut Microbiome and Metastatic Breast Cancer Control: A New Frontier</i> Dr. Nagarajan Kannan, Mayo Clinic, USA
16:45	17:10	<i>Transcriptome Informed Discovery and Immuno-therapeutic Targeting of Tumor Specific Antigens in AML – and Solid Malignancies</i> Prof. Soheil Meshinchi, Fred Hutchinson Cancer Center, USA

17:10	17:35	<i>Dissection of FOXA1 mutations in breast cancer</i> Dr. Dimple Notani, TIFR-NCBS, Bengaluru
17:35	18:00	<i>Unlocking the utility of genomics in drug development and routine oncology practice</i> Dr Philip Beer, Step Pharma, UK
Session 8:		ICGA Session
18:00	18:25	Keynote: Dr. Rajesh S. Gokhale Secretary, Department of Biotechnology, Government of India
18:25	18:45	<i>Revolutionizing Cancer Diagnostics: Advances and Implications in the Genomic Era</i> Prof. Ravi Mehrotra, ICGA Foundation, CHIP Foundation
18:45	19:05	ICGA Journey So Far: Introduction to ICGA Platform
19:05	19:15	QnA
19:15	21:00	Gala Dinner

Sunday, 22 September 2024

Session 9		Precision Oncology: A Way Forward <i>Chair: Prof. Sandeep Dave, Duke University, USA</i>
9:30	9:55	<i>Engineered 3-D ex vivo tumor models: Game changers in drug discovery and precision medicine</i> Dr. Neha Arya, AIIMS, Bhopal
9:55	10:20	<i>Unraveling the Tapestry of Gastrointestinal Cancers: A Single-Cell and Spatial Transcriptomic Approach</i> Dr. Ashiq Masood, Indiana University, USA
10:20	10:45	<i>Molecular Subtyping and prediction of risk of recurrence for early-stage receptor positive breast cancer using NanoString nCounter Flex from India</i> Prof. Arvind Krishnamurthy, Cancer Institute, WIA, Adyar

10:45	10:55	<i>Democratizing Genomics: IDT's Role in a Changing World (Sponsored Talk)</i> Mr. Onkar Rahatkar, Integrated DNA Technologies (IDT)
10:55	11:25	Tea/Coffee Break
Session 10		Genomics and Oncology: Bridging Practice and Innovation <i>Chair: Prof. Ritu Kulshrestha, IIT, Delhi</i>
11:25	11:50	<i>Integration of Genetics in routine oncology practice- A way forward</i> Dr. Ashutosh Mishra, AIIMS, New Delhi
11:50	12:15	<i>Tumor-intrinsic and Tumor Microenvironment Signaling and Therapeutics</i> Dr. Manash Paul, Manipal University, Manipal
Session 11		Panel Discussion
12:15	13:15	Unified Front: Integrating Survivor Perspectives for Effective Cancer Research and Translation
		Panelists: Dr. Aastha Aggarwal (Moderator), Prof. AC Kataki, Dr. Aruna Korlimarla Mrs. Jyotsna Govil, Dr. Siuli Mitra, Ms. Soumya Rajesh
13:15	14:45	Lunch
Session 12		Advancing Oncology through Genomics: Integration, Collaboration and Data Sharing <i>Chair: Prof. LS Shashidhara, TIFR-NCBS, Bengaluru</i>
14:45	15:10	<i>Data Sharing, Essential Component of Large-scale Genomics Projects</i> Dr. JC Zenklusen, TCGA, NIH-USA
15:10	15:35	<i>Next Steps for ICGA</i> Prof. Sunil Badve, Emory University, Atlanta, USA
15:35	16:05	Award function Closing remarks
16:05	16:50	High tea
17:30	19:00	Annual General Meeting (ICGA AGM2024)