

Global Scientific Conference

8th October 2025, Wednesday

Event Timeline

Day 1

Day 2

Day 3

Day 4

SCIENTIFIC EVENTS

4 parallel sessions

11:00 AM – 1:00 PM

Session 1

Proteins & Bioconjugates / Chemical Biology

Shana Sturla ETH Zürich D-HEST, Switzerland Mapping chemical modifications throughout the human genome	30 min
Simone Adorinni University of Cambridge, UK Self-Assembling Short Peptides: from Biotherapeutics' Stabilizers to Nanostructured Biomaterials	15 min
Shamayeeta Ray Harvard University, US Structural basis of metal import by Nramp family transporters	15 min
Anindita Chakrabarty Shiv Nadar University, India The protective role of the repair protein O6-alkylguanine-DNA alkyltransferase against peroxynitrite-mediated DNA damage and macrophage activation	15 min
Flash Talk	5 min
Flash Talk	5 min
Flash Talk	5 min
Flash Talk	5 min
Flash Talk	5 min

Session 2

Bioimaging & Sensing / Biophysical Chemistry

Justin Gooding Univ. New South Wales, Australia Diagnostic tools for the detection and treatment of cancer: From 3D cell culture to detecting single molecules	30 min
Ankona Datta TIFR Mumbai, India	20 min
Aneesh Tazhe Veetil TIFR Mumbai, India A new tool for imaging and modulation of microglial cells in live brains	15 min
Surya Pratap Singh IIT Dharwad, India In cellulo label-free imaging for monitoring of metabolic pathways	15 min
Flash Talk	5 min
Flash Talk	5 min
Flash Talk	5 min
Flash Talk	5 min

Session 3

Biomaterials: Regenerative Medicine

Bikramjit Basu IISc Bangalore, India Innovation in Advanced Materials: Technology development in India and role of emerging data science approaches	30 min
Lakshmi S. Nair Univ. Connecticut, US Novel Approaches to Manage Osteoarthritic pain	15 min
Dhiraj Bhatia IIT Gandhinagar, India DNA based programmable nanodevices to instruct biological systems	15 min
S. Vijayavenkataraman New York University, UAE 3D Bioprinting of Corneal and Meniscal Constructs	15 min
Suchetan Pal IIT Bhubaneswar, India Glucose-responsive Hydrogels Towards Artificial Pancreas	15 min
Flash Talk	5 min
Flash Talk	5 min
Flash Talk	5 min
Flash Talk	5 min
Flash Talk	5 min

Session 4

Multidisciplinary

Hiroshi Abe Nagoya University, Japan Chemically Synthesized mRNA: From Precise Design to Therapeutic Translation	30 min
Gaurav Jain AI/ML Quantitative and Digital Sciences	30 min
Anand Singh BIOFINDER CAS BioFinder® – A new solution for drug discovery	30 min
Abdul Rasheed P IIT Palakkad, India Nanostructure Modified Carbon Thread Based Wearable Patch for Non-Invasive Monitoring of Biomarkers from Human Samples	15 min

Lunch

1:00 PM – 2:00 PM

Inauguration

2:00 PM – 3:15 PM

Vidita Vaidya

3:15 PM – 4:00 PM

TIFR Mumbai, India Serotonergic Psychedelics - 'Mushroom for discussion'	45 min
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Tea Break

4:00 PM – 4:30 PM

Cato T. Laurencin

4:30 PM – 5:15 PM

University of Connecticut, United States Regenerative Engineering: Frontiers of Convergence	45 min
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Sriram Subramaniam

5:15 PM – 6:00 PM

Univ of British Columbia, Canada Structural Biology and Drug Discovery in the Age of AI	45 min
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Panel discussion 1 -
Current Trends in Drug Development, Diagnostics,
and Disease Management

6:00 PM – 7:15 PM

TIME

11:00 – 1:00 PM

01:00 – 2:00 PM

2:00- 3:15 PM

3:15 – 4:00 PM

4:00 – 4:30 PM

4:30 – 5:15 PM

5:15 – 6:00 PM

6:00 – 7:30 PM

PROFESSIONAL DEV EVENTS

Embedding ESG and Sustainability in the DNA of
Higher Education & Research Institutions

09:00 AM-12:30 PM

Developing Resumes and Cover Letters

10:00 AM-12:00 PM

Lunch

1:00 PM – 2:00 PM

Tea Break

4:00 PM – 04:30 PM

Career Session

6:30 PM – 07:30 PM