

Invited Speakers

Prof Michael Bowman, University of Alabama
Prof. Nandita Madhavan, IIT-Madras

Faculty Research Talks

9:15 am – 12:45 pm (Nov 4th, 5th, 6th)
Venue: TIFR Lecture Theatre AG-66

Poster Presentations

5:30 pm – 7:30 pm (Nov 4th)
3:30 pm – 5:30 pm (Nov 5th)
Venue: Homi Bhabha Auditorium Foyer

Student Presentations

2:30 pm – 3:30 pm (Nov 5th and 6th)
Venue: TIFR Lecture Theatre AG-66

Chem Quiz Contest

5:30-7:30 pm (Nov 5th)
Venue: TIFR Lecture Theatre AG-66

Wednesday November 4	
9:00–9:15 am	Inaugural Session Inauguration by Prof. Sandip P. Trivedi, Director, TIFR Introduction by Prof. Sanjay J. Wategaonkar
Session 1: Interaction of Metal ions with Proteins (Chair: Anju Yadav)	
9:15–9:50 am	K.V.R. Chary <i>NMR studies on an Unusual Calcium-Binding Protein From the Protozoanparasite Entamoeba Histolytica</i>
9:50–10:25 am	A. S. R. Koti <i>Mechanical Unfolding of Azurin: Does Copper Influence its Stability or Unfolding Pathways?</i>
10:25–11:00 am	Dwaipayan Dutta gupta <i>Understanding the Binding and Reactivity of Metal Ions in Proteins</i>
11:00–11:30 am Tea (West Canteen Terrace)	
Session 2: Charge and Excitation Energy Flow (Chair: Sanjoy Paul)	
11:30 am–12:-05 pm	Jyotishman Dasgupta <i>Exciton Dynamics in Conjugated Polymers</i>
12:05–12:40 pm	Ravi Venkatramani <i>Molecular Breadboard Circuits</i>
12:45–2:30 pm Lunch (West Canteen)	
2:30–4:00 pm	RSC Talk and Interactions Dr. Abhiram Prabhu
4:00–5:00 pm	Wednesday Colloquium (TIFR Lecture Hall AG-66) Prof. Michael K. Bowman <i>A Molecular View of How Free Radicals Increase NMR Sensitivity by Dynamic Nuclear Polarization</i>
5:00–5:30 pm Colloquium Tea (West Canteen)	
5:30–7:30 pm	Poster Session (Homi Bhabha Auditorium Foyer)

Thursday November 5

Venue: TIFR Lecture Hall (AG-66)

Session 1: Chemical probes (Chair: Viola Dmello)

9:15–9:50 am	R. V. Hosur <i>Enhancing Speed, Enhancing Resolution, Controlling Protein Fibrillation and More</i>
9:50–10:25 am	Ranjan Das <i>Rotation, Pseudo-rotation and Relaxation</i>
10:25–11:00 am	Sanjay J. Wategaonkar <i>IR-UV and Photoelectron spectroscopy of NH---Y (Y=S,N,O) Interactions</i>

11:00–11:30 am Tea (West Canteen Terrace)

Venue: TIFR Lecture Hall (AG-66)

Session 2: Chemical Tracking and Trapping (Chair: Samsuzzoha Mondal)

11:30 am–12:05 pm	Ankona Datta <i>A Chemical Dialect for Sensing Bio-Molecules</i>
12:05–12:40 pm	Anukul Jana <i>Functionalized Low-Valent Low-Coordinate Heavier Group-14 Chemistry</i>

12:45 pm – 2:00 pm Lunch (Homi Bhabha Auditorium Terrace)

2:00–3:00 pm	Student Talks (TIFR Lecture Hall AG-66) 1. <i>Serendipitous Discoveries in Chemistry (Sayani Das)</i> 2. <i>Evolution of Chemical Structure Determination Techniques (Bappaditya Chandra)</i>
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3:00–3:30 pm Tea (Homi Bhabha Auditorium Terrace)

3:30–5:30 pm	Poster Session (Homi Bhabha Auditorium Foyer)
5:30–7:00 pm	Chem Quiz contest

Friday November 6

Venue: TIFR Lecture Hall (AG-66)

Session 1: Chemical Perspectives on Biological Function (Chair: Anoop Rawat)

9:15–9:50 am	Sudipta Maiti <i>Engineering the Protein Aggregation Landscape</i>
9:50–10:25 am	Jagannath Mondal <i>How does a Kinase-Inhibitor Withstand Gate-keeper Residue Mutation: Insights from Computer Simulation</i>
10:25–11:00 am	H. M. Sonawat <i>Metabolism and its Organization</i>

11:00–11:30 am Tea (West Canteen Terrace)

Session 2: Materials Chemistry (Chair: Rustam Singh)

11:30 am–12:05 pm	Deepa Khushalani <i>Carbon Dots: Newest Member to the Family of Carbon Nanostructures</i>
12:05–12:40 pm	Vivek Polshettiwar <i>Atomic Layer Deposited (ALD) TiO₂ on Fibrous Nano-Silica (KCC-1) for Photocatalysis: Nanoparticle Formation and Size Quantization Effect</i>

12:45 pm – 2:30 pm Lunch (West Canteen)

2:30 pm – 3:30 pm	Best Poster Awards and presentations (TIFR Lecture Hall AG-66)
3:30 pm – 3:45 pm	Closing Remarks (TIFR Lecture Hall AG-66)
4:00 pm – 5 pm	ASET Colloquium (TIFR Lecture Hall AG-66) Prof. Nandita Madhavan <i>Small can be Big: Mimicking Protein Function using Small Peptides</i>

5 pm – 5:30 pm ASET Tea Session (West Canteen)

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