

Indian Institute of Science
Institute NMR Facility (INF)

Users meeting
16th June 2023 (9:30 am to 1:30 pm)

Venue: ONLINE (Webex platform)

Meeting link:

<https://istem.webex.com/istem/j.php?MTID=md000625e709989d0eb9bba7b47c1aa18>

Meeting number (access code): 2643 947 7344

Meeting password: INFUsersMeet2023

Time (hr)	Name and affiliation	Title of the talk
09:30 – 10:00	E N Prabhakaran <i>Convenor, INF OC, IISc</i>	Institute NMR Facility, IISc Bangalore
Session I	Chair: Mahavir Singh, MBU, IISc	
10:00 – 10:20	Sujoy Mukherjee <i>Lupin Limited</i>	NMR methods for the characterization of peptide drug products
10:20 – 10:35	Bodhisatwa Nandi <i>MBU, IISc</i>	Characterizing intermediates in the free energy landscape of a metamorphic protein
10:35 – 10:50	Nishant Raj <i>MBU, IISc</i>	Desolvation of amide bond enhances permeability in cyclic peptide
10:50 – 11:05	Shreya Banerjee <i>OC, IISc</i>	Applications of NMR for understanding conformation, dynamism and folding mechanisms in short peptidomimetics
11:05 – 11:20	Kalyan Dey <i>OC, IISc</i>	Studies of Emerging Zwitterionic Character of Pyridoneimine-Clustered PETIM Dendrimers
Session II	Chair: Geetharani Kalimuthu, IPC, IISc	
11:20 – 11:40	Sanhita Sinharay <i>BSSE, IISc</i>	Applications of CEST MRI to assess therapy response in cancer
11:40 – 11:55	Anjali Meena <i>MBU, IISc</i>	Solution NMR studies of protein-protein interaction
11:55 – 12:10	Debopam Sarkar <i>SSCU, IISc</i>	Probing Spin State Switching in solution via Evans method: a unique tool for Magnetochemistry
12:10 – 12:25	Tamoghana Mukherjee <i>MBU, IISc</i>	Structure and function of harmonin homology domains of human rtel1 helicase
12:25 – 12:40	Ramkumar CB <i>SSCU, IISc</i>	Ion Size-Dependent Electrochromism in Air-Stable Naphthalenediimide-Based Conjugated Polymers
12:40 – 13:00	Sheetal Jain <i>SSCU, IISc</i>	Characterizing Local structures and dynamics of materials using solid-state NMR
13:00 – 13:15	Concluding remarks by Convenor, INF	

Abbreviations: BSSE, BioSystems Science and Engineering; IPC, Inorganic and Physical Chemistry; INF, Institute NMR Facility; MBU, Molecular Biophysics Unit; OC, Organic Chemistry; SSCU, Solid State and Structural Chemistry