

RSC – IISER Desktop Seminar with *Dalton Transactions*

11th & 12th May 2022

Day 1: May 11, 2022 (Wednesday, 2:30 PM - 6:30 PM IST)		
2.30 PM - 2.35 PM	Welcome Address: Dr Ajay Venugopal	
2.35 PM - 2.45 PM	Inugural Address: Prof JN Moorthy, Director, IISER Thiruvananthapuram	
2.45 PM - 2.55 PM	Introduction to DT: Dr Andrew Shore, Executive Editor, <i>Dalton Transactions</i>	
2.55 PM - 3.00 PM	Chemistry@IISER Tvm: Prof Mahesh Hariharan, Head, School of Chemistry, IISER Tvm	
Session I: (3:00 PM)		
Chair: Prof R Murgavel, IIT Bombay, India		
3:05 PM - 3:35 PM	Prof Robert E Mulvey University of Strathclyde, UK	Putting on weight: heavy alkali metal mediation in synthesis and catalysis
3:40 PM - 4:10 PM	Prof V Chandrasekhar TIFR Hyderabad, India	Synthesis and reactivity of unsymmetrical N-P-N ligands
4.15 PM - 4.45 PM	Prof Simon Aldridge University of Oxford, UK	Making and breaking chemical bonds with electron-rich Main Group compounds
4.45 PM - 4.50 PM	Break	
Session II: (4:50 PM)		
Chair: Prof Swadhin Mandal, IISER Kolkata, India		
4:55 PM - 5:25 PM	Prof Sakya Sen NCL Pune, India	Chemistry of amidinate substituted hypersilyl tetrylenes
5.30 PM - 6.00 PM	Prof Michael Hill University of Bath, UK	Cooperative small molecule reduction by low oxidation state s-block heterobimetallics
6.05 PM - 6.35 PM	Prof Sharanappa Nembenna NISER Bhubaneswar, India	Molecular Zinc Hydride Catalyzed Hydrofunctionalization of Unsaturated Organic Substrates
6.35 PM	Close of Day	
Day 2: May 12, 2022 (Thursday, 2:30 PM - 6:15 PM IST)		
Organisational Chair:		
Dr Aparna Ganguly, Royal Society of Chemistry, India		
Session III: (2:30 PM)		
Chair: Prof. Shabana Khan, IISER Pune, India		
2.35 PM - 3.05 PM	Prof Gillian Reid University of Southampton, UK	Exploring main group fluoride complexes – new insights and developments towards PET imaging applications
3.10 PM - 3.40 PM	Prof Moumita Majumdar IISER Pune, India	Designing Cationic Donor Ligands to Battery Anode Materials using the Main-Group Handle
3.45 PM - 4.15 PM	Prof Rebecca Melen Cardiff University, UK	Lewis acidic boranes for C-C bond forming reactions
4.15 PM - 4.20 PM	Break	
Session IV: (4:20 PM)		
Chair: Dr Andrew Shore, Royal Society of Chemistry, UK		
4.25 PM - 4.55 PM	Prof Eluvathingal D Jemmis IISc Bangalore, India	Orbital Engineering in Boron Chemistry
5.00 PM - 5.30 PM	Prof Mark R Crimmin Imperial College London, UK	The Continuum Between Hexagonal Planar and Trigonal Planar Geometries
5.35 PM - 6.05 PM	Prof Sundargopal Ghosh IIT Madaras, India	Structural Paradigms in Main-Group -Transition Metal Cluster Chemistry
6.05 PM - 6.10 PM	Poster Awards Announcement	
6.10 PM - 6.15 PM	Concluding Remarks	