

NOST 2019 PROGRAM OUTLINE

Wed 6 Nov 2019		Thur 7 Nov 2019		Fri 8 Nov 2019		Friday times	
START		Session 3		Session 7			
		Chair: Nedaossadat Mirzadeh		Chair: KP Kaliappan			
8:30		IL 8	Masaya Sawamura	IL 19	Belinda M. Abbott	8:30	
9:00		IL 9	Kellie L Tuck	IL 20	Feng Wang	9:00	
9:30		IL 10	Surajit Ghosh	IL 21	Subashani Maniam	9:30	
10:00		OP 2	Michael Gotsbacher	HS 2	Nedaossadat Mirzadeh	10:00	
10:15		Coffee Break					
		Session 4		Coffee Break		10:30	
		Chair: VK Singh		Session 8			
10:45		IL 11	Rene Gree	Chair: Belinda Abbott			
11:15		IL 12	Ravi P Singh	IL 22	Hidehiro Sakurai	11:00	
11:45	Registration	IL 13	Thomas Fallon	IL 23	Kate A. Jolliffe	11:30	
12:15		OP 3	Anjie Bispat	IL 24	P. Krishnan Iyer	12:00	
12:30		Lunch		IL 25	Mary Garson	12:30	
13:00	Opening ceremony Welcome by: Prof S Bhargava (Chair)	Session 5		HS 3	T. Srinivasa Reddy	13:00	
13:15	Session 1	Chair: Srihari Pabbaraja					
	Chair: Magdalena Plebanski	IL 14	D. Srinivasa Reddy	Closing ceremony		13:30	
13:30	IL 1	Mark A Rizzacasa	IL 14	D. Srinivasa Reddy	Closing ceremony		13:30
14:00	IL 2	Sandeep Verma	IL 15	Seiji Mori			
14:30	IL 3	Jonathan H George	IL 16	Bill C Hawkins			
15:00	IL 4	Uta Wille	IL 17	Naresh Kumar			
15:30	OP 1	Ben Capuano	OP 4	Thomas Fellowes			
15:45	Coffee Break		Coffee Break				
	Session 2		Session 6				
	Chair: David Black		Chair: Roger Stapleford				
16:15	IL 5	Kosuke Namba	IL 18	Maya Shankar Singh			
16:45	IL 6	P. Srihari	OP 5	Rhys B Murphy			
17:00			OP 6	Renate Griffith			
17:15	IL 7	David W Lupton	PP 1 to 16 - 4 Minute slide show presentation Finish 18:30				
17:45	HS 1	Magdalena Plebanski					
18:15							
18:45	Welcome Reception Dinner at Gaylord		Symposium Dinner at Marriott				
19:00							
21:30							

**NOST-RMIT-RACI ORGANIC AND BIOMOLECULAR CHEMISTRY
CONFERENCE**

Senate Hall, RMIT, Melbourne, Australia

6th – 8th November, 2019

Technical Program Sheet

Day 1: 6th November, 2019

11:45	Registration	
13:00	<p align="center">Opening ceremony Welcome by Prof. Suresh Bhargava, RMIT Dr. S. Chandrasekhar / Prof. Sandeep Verma[Co-Chairs, NOST] About NOST by Prof. Ganesh Pandey (Chairman, NOST) Address by RMIT – Prof. Calum Drummond, AO</p>	
	Session I	Chairman: Prof. Magdalena Plebanski
13:30	IL01	<p>Prof. Mark A Rizzacasa <i>The cyclobutene diester approach to alkyl citrates</i></p>
14:00	IL02	<p>Prof. Sandeep Verma <i>Peptide-based strategies in chemical neuroscience and antibiotic action</i></p>
14:30	IL03	<p>Prof. Jonathan H George <i>Biomimetic synthesis and biosynthesis of halogenated meroterpenoids from marine Streptomyces bacteria</i></p>
15:00	IL04	<p>Prof. Uta Wille <i>Synthesis of small linear and cyclic peptides with NO₂: Scope and limitations</i></p>
15:30	OP01	<p>Dr. Ben Capuano <i>The Synthesis & Pharmacological Evaluation of Negative Allosteric Modulators of the Dopamine D2 Receptor as Potential Antipsychotic Agents</i></p>
15:45	Coffee Break	
	Session II	Chairman: Prof. David Black
16:15	IL05	<p>Prof. Kosuke Namba <i>Total Synthesis of Palauamine</i></p>
16:45	IL06	<p>Dr. P. Srihari <i>Nitromethane as carbanion source for the synthesis of polyfunctional naphthalenes and carbazoles: Application in total synthesis</i></p>
17:15	IL07	<p>Prof. David W Lupton <i>Polarity inversion of vinyl ketones and related conjugate acceptors. Access to nucleophiles and bases to enable reaction discovery</i></p>
17:45	HS 1	<p>Prof. Magdalena Plebanski <i>Interdisciplinary insights: nanotechnology, cancer and beyond</i></p>
18:45-21:30	Welcome Reception Dinner at Gaylord	

Day 2: 7th November, 2019

		Session III	Chairman: Dr. Nedaossadat Mirzadeh
8:30	IL08	Prof. Masaya Sawamura <i>Ligand-enabled selective borylation of C(sp²)-H and C(sp³)-H bonds</i>	
9:00	IL09	Prof. Kellie L Tuck <i>Synthesis and analysis of luminescent chemosensors for the detection of biologically important analytes</i>	
9:30	IL10	Dr. Surajit Ghosh <i>Aryl Substitution on the Triazine Platform Wheels the Microtubule Dynamics and Enforce Contrasting Cell Signalling Pathways</i>	
10:00	OP02	Dr. Michael Gotsbacher <i>Azido-Desferrioxamine B for generating chemical probes using in situ click chemistry</i>	
10:15	Coffee Break		
		Session IV	Chairman: Prof. Vinod K Singh
10:45	IL11	Dr. Rene Gree <i>Design, synthesis and biological evaluation of new inhibitors of anti-apoptotic proteins as potential anticancer agents</i>	
11:15	IL12	Prof. Ravi P Singh <i>Exploration of selective C-C bond formation through organo and photoredox catalysis</i>	
11:45	IL13	Prof. Thomas Fallon <i>Chaos and order in shape-shifting molecules</i>	
12:15	OP03	Anjie Bispat <i>Novel aminobenzothiazole compounds as calcium ion channels blockers relevant for the treatment of neuropathic pain</i>	
12:30	Lunch		

		Session V	Chairman: Dr. Srihari Pabbaraja
13:30	IL14	Dr. D. Srinivasa Reddy <i>Structural Revision of Natural Products through Total synthesis</i>	
14:00	IL15	Prof. Seiji Mori <i>Computational Insights into Structures and Reactions of Homogeneous and Enzymatic Catalysts</i>	
14:30	IL16	Prof. Bill C Hawkins <i>Cyclopropanes as building blocks for the synthesis of natural products</i>	
15:00	IL17	Prof. Naresh Kumar	

		<i>Flavonoids as building blocks for new biologically active scaffolds</i>
15:30	OP04	Mr. Thomas Fellowes <i>Ebselen derivatives as chalcogen bond donors</i>
15.45	Coffee Break	
	Session VI	Chairman: Mr. Roger Stapleford
16:15	IL18	Prof. Maya Shankar Singh <i>The wonderful chemistry of α-enolic dithioesters: a sustainable approach towards C-C and C-X bonds formation</i>
16:45	OP05	Dr. Rhys B Murphy <i>Enhancing Material Properties and Radiotracers by Deuteration</i>
17:00	OP06	Prof. Renate Griffith <i>Exploration of the differences between amine and thiolate addition to acetylenedicarboxylates</i>
17:15	PP01-15	4 minute slide presentation by PP
19:00	Symposium Dinner at Marriott	

Day 3: 8th November, 2019

	Session VII	Chairman: Prof. Krishna P Kaliappan
8:30	IL19	Prof. Belinda M. Abbott <i>Heterocyclic inhibitors of dihydrodipicolinate synthase as antibacterial and herbicidal agents</i>
9:00	IL20	Prof. Feng Wang <i>Deep in the core: intramolecular interaction of hydroxybenzoic acids</i>
9:30	IL21	Dr. Subhashini Maniam <i>Organic synthetic approach towards developing smart materials</i>
10:00	HS 2	Dr. Nedaossadat Mirzadeh <i>Golden molecular design for cancer treatment</i>
10:30	Coffee Break	
	Session VIII	Chairman: Dr. Belinda Abbott
11:00	IL22	Prof. Hidehiro Sakurai <i>Understanding the mechanism of C-X bond activation by Pd-containing bimetallic nanoalloy: Interplay of experiments and theory</i>
11:30	IL23	Prof. Kate A. Jolliffe <i>Peptide derived sensors for biologically relevant phosphate oxoanions</i>
12:00	IL24	Prof. P. Krishnan Iyer <i>Development of new aggregation-induced emission based molecules, material and beyond</i>
12:30	IL25	Prof. Mary Garson <i>Dynamic NMR studies and conformational analyses inform stereochemical elucidation of dendrillane terpenes from the nudibranch <i>goniobranchus coi</i></i>
13:00	HS 3	Dr. T. Srinivasa Reddy <i>Design and synthesis of pyrazole and triazole based hybrids as potential anti-cancer agents</i>

13:30**Closing ceremony****Poster Presentations:**

PP01	Uday Maitra <i>Nanostructured, photoluminescent organic-inorganic hybrid materials and their applications</i>
PP02	Laura Burchill <i>ortho-Quinone methide cascade reactions inspired by the busseihydroquinone family of natural products</i>
PP03	Anand Singh <i>Functionalization of π-systems for developing new routes to heterocycles and fluorinated molecules</i>
PP04	Joel Syphers <i>Synthesis of carboxylic acid derivatives a potential inhibitor of the N-type calcium channel</i>
PP05	Govindasamy Sekar <i>Metal-carbon covalent bonds stabilized transition metal nanoparticles: an efficient and reusable nanocatalyst</i>
PP06	Raja Angamuthu <i>SO₂ Sequestration and activation: from bio-inspired weak interactions to so2 coupled electron transfer</i>
PP07	K M Muraleedharan <i>Design of organic scaffolds for biomedical applications</i>
PP08	Nilamuni Hiranya de Silva <i>The synthesis of spirooxindoles as potential amyloid protein antagonists for the treatment of alzheimer's disease (AD)</i>
PP09	Harshal Patel <i>Establishing equilibrium: Exo-rearrangement of alkenyl substituted bullvalene</i>
PP10	B. Surendar Reddy <i>Therapeutic nucleic acid delivery using a lipid-based human DNA ligase I inhibitors</i>
PP11	Beeraiah Baire <i>New dimensional reactivity of propargylic alcohols and derivatives: the underutilized bi-functional building blocks</i>
PP12	Raakhi Gupta <i>Concerted vs stepwise mechanism of [2,3] Wittig rearrangement of allylic ethers: CASSCF calculations</i>
PP13	Amanpreet Kaur Hundal <i>Effect of extended conjugation of cyanopyridone functionality on optoelectronic and photovoltaic properties of a donor</i>
PP14	Preetismita Borah <i>Cp*Co(III)-catalyzed ortho-amidation of azobenzenes with dioxazolones</i>
PP15	Rebecca M Christoff <i>Heterocyclic inhibitors of dihydrodipicolinate synthase as antibacterial and</i>

	<i>herbicides agents</i>
PP16	Sadhna Shah <i>Cu-catalysed one-pot three component imination-alkynylation-aza-Michael sequence: enantio- and diastereoselective syntheses of 1,3-disubstituted isoindolines and tetrahydroisoquinolines</i>