

IC19 Conference Programme

Wollongong, Australia 15th-19th December 2019

Welcome from the Conference Chair

On behalf of the organising committee, I would like to invite you to attend IC19, the latest in the series of national conferences of the Inorganic Division of the Royal Australian Chemical Institute. IC19 will be held in the coastal city of Wollongong, located approximately 1.5 hours south of Sydney by car and rail.

This will be the first stand-alone Inorganic Division conference held for a number of years, and marks a 21-year gap since the conference was held at the University of Wollongong. An exciting range of plenary and keynote lecturers from around the world has already been assembled for IC19, a major focus of which will be providing opportunities for younger researchers to showcase recent work across the full spectrum of inorganic chemistry sub-disciplines. A range of competitions, including for the first time one in which delegates prepare YouTube presentations based on their work, will be available to PhD students and research fellows. Further details may be found on the Abstracts page.

A variety of accommodation options will be available to suit all budgets, ranging from cheaper college style rooms located away from the main campus, to hotels and apartments in the centre of Wollongong, and the ultra-modern Kooloobong dormitory complex just a few minutes walk from the conference venue. Whilst in Wollongong you will be able to take advantage of the city council's free bus service which links the conference and all of the above accommodation venues with the city's beaches and numerous cafes, bars and restaurants.

We very much hope to see you in Wollongong in December this year.

Stephen Ralph Conference Chair

Inorganic 19 Plenary Speakers



Sir Fraser Stoddart (University of New South Wales)

Sir Fraser has wide-ranging research interests. Most well-known for his research on mechanically interlocked molecules and molecular machines, leading to the award of a Nobel prize, he has made contributions to the area of porous crystalline polymers and will talk about metal-organic frameworks made from cyclodextrins.



Professor Christine McKenzie (University of Southern Denmark)

Christine's interests centre on coordination and bioinorganic chemistry. In particular, small molecule activation and gaining spin-state control over first row transition metal complexes so they can selectively activate terminal oxidants for implementation in range of catalytic C-H oxidations. I will talk about molecular iron chemistry, terminal oxidant activation and catalysis.



Professor Hai-Bo Yang (ECNU Shanghai)

Dr. Yang's research interests span the areas of organic, organometallic, and supramolecular chemistry. In particular, he is very interested in supramolecular coordination complexes (SCCs) and their applications in materials science. His presentation will concern the construction of stimuli-responsive functional materials through hierarchical self-assembly involving coordination bonds.



Professor Eva Hevia (University of Bern)

Eva's research focuses on polar organometallic chemistry at the crossroads of inorganic, organic, and green chemistry. Some of her recent contributions include the use of cooperative bimetallic compounds for the activation of pharmaceutically relevant organic molecules, as well as the advancement of new methods that replace the use of toxic organic solvents in this chemistry by more sustainable and biorenewable systems.



Professor Hongzhe Sun (University of Hong Kong)

Hongzhe's research lies in the chemical biology of metals, particularly metals in biology and medicine. He is a pioneer in bioinorganic metalloproteomics chemistry and recognized for his work at the cutting edge between inorganic chemistry and biology/medicine to uncover potential metallodrug binding proteins in pathogens, metallobiology, and overcoming antimicrobial resistance.



Professor Michaele Hardie (University of Leeds)

Research interests are in the areas of metallosupramolecular chemistry, new molecular hosts and chemical crystallography, with particular interests in the self-assembly of discrete nano-scale (metallo)supramolecular cages using host-type ligand scaffolds, functional multi-nuclear complexes, and coordination polymers and metal-organic frameworks.

Inorganic19 Keynote Speakers



Dr Gilles Gasser (Chimie ParisTech)

Research in the Gasser group lies at the interface between inorganic chemistry, medicinal chemistry, chemical biology and biology and concerns the utilisation of metal complexes for biological and medicinal purposes. He will present the latest results of his group on the use of metal-based compounds in medicine.



Associate Professor Colette Boskovic (University of Melbourne)

Research in the Boskovic Group is focused on inorganic molecular materials relevant to the fields of molecular magnetism, lanthanoid chemistry, redox-active ligands and switchable molecules. In her talk at IC19, Colette will present recent research results concerning switchable molecular materials with redoxactive ligands.



Professor Martyn Coles (Victoria University of Wellington)

Research in the Coles group is focussed on the chemistry of main group elements in low oxidation-states with recent emphasis on antimony and bismuth complexes in 1+ or 2+ oxidation-states. He will present his recent results on the synthesis and reactivity of low oxidation-state aluminyl and indyl anions.



Associate Professor Pheobe Glazer (University of Kentucky)

Research in the Glazer group seeks to understand dynamic biological and chemical processes utilising photoactive metal complexes as probes and photoswitchable molecules for prodrugs. A range of biochemical techniques, and biophysics approaches, are used to interrogate biomolecules. Our recent results will be presented at IC19.



Professor Mark MacLachlan (University of British Columbia)

Mark's research interests range from macrocyclic and coordination chemistry to new materials based on cellulose nanocrystals where he has developed a new family of templated mesoporous inorganic materials with photonic properties.



Professor Penelope Brothers (Australian National University)

Current research interests centre around the intriguing chemistry of boron coordinated to porphyrin and corrole ligands, metallated BODIPY fluorophores for sugar recognition and photocatalytic hydrogen production and supramolecular surface patterning using molecular pentagons. The latest results from our research will be presented at IC19.



Professor Shane Telfer (Massey University)

Shane is a synthetic chemist at heart, with a particular interest in things inorganic and chiral. Lately, this has extended to porous and catalytically-active materials. I will present a talk on gas separations using some straightforward and robust metal-organic frameworks and relay how we can understand the performance of these materials using X-ray crystallography.



Dr Rebecca Melen (Cardiff University)

Main Group chemistry has undergone a renaissance in recent years with the realisation that the reactivity of main group elements often closely resembles that of transition metals in small molecule activation and catalysis. Research in the Melen group focuses on main group catalyst design as well as the applications of main group Lewis acids in organic synthesis and catalytic processes. Dr Melen's talk will discuss recent developments in the Melen group that investigate new directions in metal free catalysis to provide new openings in both the synthesis and applications of main group compounds.

	Monday 16 December 2019				
Room	67-107				
08:45-09:00	Welcoming Address				
09:00-10:00	Plenary 1				
	A Janus-faced iron catalyst				
	Professor Christine McKenzie (University of Southern Denmark)				
			Stephen Ralph		
10:00-10:30			Keynote 1		
			plexes with redox-active ligands vic (University of Melbourne)		
		and the control of th	Stephen Ralph		
10:30-11:00			Jorning tea		
Room	67-107	67-104	67-102	67-101	
	Chair: Ben Pages	Chair: Shane Telfer	Chair: Paul Low	Chair: Chris Richardson	
11:00-11:20	First-in-class tumour-selective gadolinium theranostics Louis Rendina (University of Sydney)	Coordination polymers as chiral discriminators in solid state NMR Carol Hua (University of Melbourne)	Multi-photon absorption in metal alkynyl-containing dendrimers and metal alkynylnanoparticle hybrids Mark Humphrey (Australian National University)	Boron-containing compounds in energy conversion and storage Zhenguo Huang (University of Technology Sydney)	
11:20-11:35	Imaging prostate cancer with monomeric and dimeric inhibitors of membrane antigen labelled with Zr-89 or Ga-68 Asif Noor (University of Melbourne)	Covalent crosslinking of interpenetrated multivariate azido and propargyl-tagged metal-organic frameworks Mitchell Fishburn (University of Wollongong)	Low oxidation state group 14 ditetralynes and metal cyclophanes Palak Garg (University of Melbourne)	Tuning the electrochemical properties of layered graphite fluorides by applying chemical and physical pressure Vittoria Pischedda (UNSW)	
11:35-11:55	Developing radiometal ligands for PET imaging using multiple approaches Rachel Codd (University of Sydney)	Encapsulation of metallosupramolecular tetrahedral in halogen bonded networks? John McMurtrie (Queensland University of Technology)	Illuminating molecular electronic rectification George Koutsantonis (University of Western Australia)	Structural properties and potential applications of supramolecular template chiral mesoporous materials Alfonso Garcia-Bennet (Macquarie)	
11:55-12:10	Insights into biochemical targets and changes induced by Ru(II) arene anticancer complexes Thomas Stewart (University of Sydney)	Spin crossover frameworks containing benzothiadiazole and related heterocycles Hunter Windsor (University of Sydney)	Novel organometal hybrid Mn(III) polymer of redox non-innocent Schiff base: study of electrochromic and memrisitive properties Deepa Oberoi (IIT Roorkee)	Giving magnetic anisotropy a boost: magneto-structural correlations in a series of 3D mononuclear complexes Moya Hay (University of Melbourne)	
12:10-12.30	(adolinium-157 and boron-10 enriched agents for neutron capture enhance particle therapy Ben Fraser (ANSTO)	Metal-organic framework nanocrystals from microemulsions Lyall Hanton (University of Otago)	Next generation gold(III) luminophores Koushik Venkatesan (Macquarie University)	Good vibrations: dynamics in superionic Cu ₂ Se measured with neutron spectroscopy David Cortie (University of Wollongong)	
12.30-13.30	Lunch				

Doom			67 107	
Room 13:30-14:00	67-107 Keynote 2 Adventures with metal-containing macrocycles Professor Mark MacLachlan (University of British Columbia)			
14:00-15:00	Chair: Nicholas White Plenary 2 Stimuli-responsive functional materials via hierarchical self-assembly involving coordination interactions Professor Haibo Yang (East China Normal University) Chair: Nicholas White			
15:00-15:30		Aft	ternoon tea	
Room	67-107	67-104	67-102	67-101
	Chair: Rachel Codd	Chair: Witold Bloch	Chair: Erin Leitao	Chair: David Cortie
15:30-15:50	Speciation of metallodrugs using X-ray absorption spectroscopy Peter Lay (University of Sydney)	Chiral coordination networks, cages and oddities David Turner (Monash University)	Adventures in gold fluorine chemistry Jason Dutton (La Trobe)	Development of potassium-ion batteries Alexey Glushenkov (Australian National University)
15:50-16:05	A versatile fluorescent sensing array for platinum and its anticancer complexes Linda Mitchell (University of Sydney)	Covalent post-assembly modification in metallosupramolecular chemistry Derrick Roberts (University of Sydney)	Extending alkali metal mediated magnesiation from nitrogen to phosphorus Michael Stevens (Monash)	Characterisation of battery materials using X-rays Olga Narygina (Panalytical)
16:05-16:25	High-field pulse EPR: a toolbox for studying the chemistry of transition metal cofactors and catalysis Nick Cox (Australian National University)	Discrete metallosupramolecular system: host-guest and magnetism Feng Li (Western Sydney University)	Nucleophilic aluminium: synthesis, structural and reaction chemistry of the aluminyl anion Jamie Hicks (Australian National University)	Calcium carbonate polymorphs – the role of impurity ions Franca Jones (Curtin University)
16:25-16:40	Luminescent iridium(III)-boronic acid complexes for sensing carbohydrates Tahmineh Hashemzadeh (La Trobe)	Construction of photoactive supramolecular coordination cages Michael Pfrunder (University of Queensland)	Stabilisation and chiral sodium 1-aza allyl amine intermediates for applications in asymmetric synthesis Jamie Greer (Monash)	Battery electrodes and modulated structures: two worlds collide Siegbert Schmid (University of Sydney)
16:40-17.00	Designing arsenic drugs that selectively target leukemia Carolyn Dillon (University of Wollongong)	lon mobility mass spectrometry as a probe for molecular self-assembly Nicole Rijs (UNSW)	Decorating the room at the bottom – designer nanomaterials for catalytic renewables conversions Anthony Masters (University of Sydney)	
17:00-19:00	Poster Session 1			

	Tuesday 17 December 2019				
Room	67-107				
09:00-10:00	Plenary 3				
			in group polar organometallic chemistry		
			evia (University of Bern)		
		Chair	: Victoria Blair		
10:00-10:30			Keynote 3		
		the contract of the contract o	eactivity of indyl-anions		
		· · · · · · · · · · · · · · · · · · ·	Victoria University of Wellington)		
40.20.44.00			: Victoria Blair		
10:30-11:00 Room	67-107	67-104	orning tea 67-102	67-101	
KOOIII	Chair: Gilles Gasser	Chair: Carol Hua	Chair: Jamie Hicks	Chair: Chris Richardson	
11:00-11:20			•	A	
11.00-11.20	complexes for precision oncology	Room temperature spin crossover in	Electron rich PC _{carbene} iridium complexes	MLCT and ILCT states in rhenium(I)	
	Trevor Hambley (University of	'hybrid' coordination polymers	for rapid catalytic H/D exchange	complexes	
	Sydney)	Suzanne Neville (UNSW)	Warren Piers (University of Calgary)	Keith Gordon (University of Otago)	
11:20-11:35	Ruthenium(II)-arene				
	thiocarboxylates: identification of	Tunable porous coordination polymers	Catalysts for CO ₂ reduction-capture: from	Exchange coupling in a Co(II)-radical	
	a stable dimer cytotoxic to	for scavenging waste anaesthetic vapours	complex		
	invasive breast cancer cells	Keith White (La Trobe University)	catalysis	Gemma Gransbury (University of	
	Liam Stephens (Monash	(== 11000 011100,	Biswanath Das (UNSW)	Melbourne)	
44.25.44.55	University)	A Undragan handed frameworks			
11:35-11:55	Antimicrobial coinage metal N-	Hydrogen bonded frameworks prepared in water: synthesis, switching	NHC-iridium complexes for asymmetric	Transition metal-organic hydride donor	
	heterocyclic carbene complexes	behaviour and enzyme encapsulation	hydroamination reactions	conjugates for electrocatalysis of	
	Peter Barnard (La Trobe)	Nick White (Australian National	Reto Dorta (University of Western	reduction of carbon dioxide	
		University)	Australia)	Stephen Colbran (UNSW)	
11:55-12:10	Influence of lipophilicity on				
	cellular accumulation and	Hydrocarbon adsorption within MOFs	Developing new synthetic methodology:	Coordination chemistry of the	
	anticancer activity of platinum(IV)	containing a contoured aliphatic pore	transition metal catalysis, photocatalysis	dipyridylpyrrolide ligand	
	prodrugs	environment and dual catalytic strategies		James McPherson (UNSW)	
	Krishant Deo (Western Sydney	Lauren Macreadie (Massey University)	Sinead Keaveney (Macquarie University)	Camer man mercen (enters)	
12:10 12 20	University)				
12:10-12.30	Theranostic copper radiopharmaceuticals for	•		Organic mixed valency across a five	
	neuroendocrine tumours and	Lanthanide-based metallosupramolecular Synthesis and transition metal-catalysed charge ctates of group 13			
	prostate cancer	materials	reactivity of allenyloxazolidinones		
	Paul Donnelly (University of	Jon Kitchen (Massey University)			
	Melbourne)	· · · · · · · · · · · · · · · · · · ·			
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12.30-13.30	Lunch			
Room	67-107			
13:30-14:00	Keynote 4 Controlling coordinative bonds in metallodrugs and metallotargets for medical applications Professor Phoebe Glazer (University of Kentucky) Chair: Professor Janice Aldrich-Wright			
14:00-15:00	Plenary 4 From metalloproteomics to drug development: bismuth-based agents as inhibitors against metallo-β-lactamase Professor Hongzhe Sun (The University of Hong Kong) Chair: Professor Janice Aldrich-Wright			
15:00-15:30		Aft	ternoon tea	
Room	67-107	67-104	67-102	67-101
	Chair: Carolyn Dillon	Chair: Mark MacLachlan	Chair: Martyn Coles	Chair: Franca Jones
15:30-15:50	manganese SOD mimetics Hugh Harris (University of Adelaide)	Anion binding in mixed ligand M ₂ L ₄ quadruple helicates David McMorran (University of Otago)	Polysilanes: the unabridged version Erin Leitao (University of Auckland)	Cryo atom probe – measuring hydrogen in steels via deuterium charging Julie Cairney (University of Sydney)
15:50-16:05	Towards imaging the pathology of Alzheimers disease with radioactive isotopes of copper Lachlan McInnes (University of Melbourne)	Diastereoselective control of tetraphenylethene reactivity by metal template self-assembly Aaron Kennedy (UNSW)	Developing carborane-supported frustrated Lewis pairs James Watson (UNSW)	Understanding exchange interactions via organic ligands: an inelastic neutron scattering study of Ni ₃ (OH) ₂ (C ₄ O ₄)·3H ₂ O Richard Mole (ANSTO)
16:05-16:25	The transferring cycle: insights into iron metabolism and transport of medicinal and toxic metal ions Aviva Levina (University of Sydney)	Dectris eiger detectors at the ANSTO MX beamlines – dynamic coordination complexes Jason Price (AS)	Mixed-valence models of molecules that offer more than more Moore Paul Low (University of Western Australia)	Where the simple things in life seldom are: studies of some AMO ₄ scheelites Brendan Kennedy (University of Sydney)
16:25-16:40	NMR Studies probing interaction of polynuclear platinum complexes with cell surface glycoamminoglycans Anil Gorle (Griffith University)	Size-selective hydroformylation by a rhodium catalyst confined in a supramolecular cage Sandra Nurttila (UNSW)	Sodium magnesiate facilitated cyclisation of imines via C-F activation Samantha Orr (Monash)	Electromechanical coupling in dipolar molecular compounds Yun Liu (Australian National University)
16:40-17.00	Visualising biomaterial degradation with luminescent metals Sally Plush (University of South Australia)	Supramolecular.org – latest developments: 1:3 binding and a case study on a nickel morpholine photocatalytical complex Pall Thordarson (UNSW)	Intramolecular exchange in rhenium alkane complexes: an NMR study Graeme Ball (UNSW)	
17:00-19.00		Poster session 2		
	Wednesday 18 December 2019			

	Wednesday 18 th December 2019
Room	67-107
09:00-10:00	Plenary 5
	Taking cyclodextrin metal-organic frameworks from the research laboratory to the market place
	Professor Fraser Stoddart (Northwestern University)
	Chair: Jonathan Beves
10:00-10:30	Keynote 5
	Gas separations using sustainable and robust metal-organic frameworks
	Professor Shane Telfer (Massey University)
	Chair: Jonathan Beves
10:30-11:00	Morning tea
Room	67-107
	Don Stranks Awards session
	Chair: Philip Andrews
11:00-11:15	Exploring the biological activity and photoinduced CO-release of bismuth(III) flavonolate complexes
	Kirralee Burke (Monash University)
11:15-11:30	Investigations of mixed valency and intervalence charge transfer in metal-organic frameworks
	Patrick Doheny (University of Sydney)
11:30-11:45	Evaluation of oxorhenium(V) and oxotechnetium(V) complexes for the diagnosis of Alzheimer's disease
	Benjamin Spyrou (University of Melbourne)
11:45-12:00	Semiconductivity and spontaneous magnetisation in a mixed-valence iron(III)-chloranilate framework
	Martin van Koeverden (University of Melbourne)
12:00-12.15	Bis-dithiocarbazate ligands and their non-innocent relationship with copper
	Jessica Bilyj (University of Queensland)
12.15-12.30	Investigating the chemistry of silver in biological systems
	Harley Betts (University of Adelaide)
12:30-13:30	Lunch

Room	67-107	67-104			
	Chair: Phoebe Glazer	Chair: Chris Hyland			
13:30-13:50	The therapeutic versatility of ruthenium(II) complexes	Isolation of molecular catalysts in crystalline frameworks			
	Richard Keene (University of Adelaide)	Christian Doonan (University of Adelaide)			
13:50-14:05	Investigating the biological interactions of monofunctional platinum complexes	Bodipy-cobalamin complexes for photocatalytic hydrogen production			
44.05.44.05	Marcus Grazziotto (University of Sydney)	Stephanie Boer (Australian National University)			
14:05-14:25	Semicarbazone and thiosemicarbazone macrocyclic chelators with potential	$oldsymbol{arphi}$ The allure of silver: silver(I)amides as catalysts in hydrofunctionalisation reactions			
	radiopharmaceutical applications	Victoria Blair (Monash University)			
14:25-14:40	Brett Paterson (Monash University)	Development of teth and divelopted when a mean between the terror whether and transfitting			
14:25-14:40	Synthesis and G-quadruplex DNA binding properties of nickel Schiff base complexes	Development of tethered dual catalysts: synergy between photo- and transition metal catalysts for enhanced catalysis			
	Sean Pham (University of Wollongong)	Danfeng Wang (Macquarie University)			
14:40-15.00	Interactions of polypyridyl ruthenium complexes with non-canonical and flawed	Daineng Wang (Macquarie Oniversity)			
14.40-15.00	DNA	Rhodium catalysed dehydropolymerisation of amine-boranes			
	Ben Pages (University of Reading)	Annie Colebatch (Australian National University)			
15:00-15:15		oon tea			
Room	67-104				
15:15-15.45	Diversity Keynote				
	Diversity in Chemistry: Pipelines, Mentors & Supermums				
	A/Prof Colette Boskovic (University of Melbourne)				
	Chair: Elizabeth New				
15:45-16:40	Panel discussion				
	Diversity of	researchers			
		abeth New			
		nembers:			
		va Hevia (University of Bern), Anthony Phillips (Queen Mary – University of London)			
16:40-17.35	Panel discussion				
	•	of careers			
	Chair: Morgan Philp (UTS) Panel members: Advanta Avvallance (ANSTO) Floring Target (Selling) Michael Magazin (ED Biog)				
17:35-18:00	Maggie Auselbrook (ANSTO), Elysha Taylor (CETEC), Tom Ellis (Gelion), Michael Moore (FB Rice)				
19:00-22:00	Networking drinks Conference Dinner - Novotel				
19.00-22.00	Conference D	illilei - Novotei			

	Thursday 19 December 2019				
Room		67-107			
09:00-10:00	Plenary 6				
	Coordination cages and other assemblies from pyramidal ligands: self-sorting, shape-changing, guest binding and more				
		Professor Michaele Hardie (University o	of Leeds)		
		Chair: Chris Richardson			
10:00-10:30	Keynote 6				
		Metal complexes in medicinal chem	•		
		Dr Gilles Gasser (Chemie ParisTec	ch)		
10.00.11.00		Chair: Chris Richardson			
10:30-11:00	67.407	Morning tea		67.400	
Room	67-107	67-104		67-102	
44.00.44.20	Chair: Sally Plush	Chair: Derrick Roberts	44.00.44.20	Chair: Sinead Keaveney	
11:00-11:20	From antimony to gallium: new metal	Untangling the $[M_2L_3] \leftrightarrow [M_4L_6]$ equilibrium:	11:00-11:20	(i) Carbon-halogen bond activation by group 9	
	complexes for combating leishmaniasis Philip Andrews (Monash University)	using sterics to control cage geometry Jack Clegg (University of Queensland)		metal NHC complexes Graham Saunders (University of Waikato)	
11:20-11:35	Fillip Allulews (Wollasti Offiversity)	Jack clegg (offiversity of Queensiand)	11:20-11:40	Superphenylphosphines: nanographene-	
11.20-11.33	Natural product drug discovery – a metal	Engineering metal-organic cage materials by	11.20-11.40	based ligands that direct coordination and bulk	
	assisted-approach	solution processing		assembly	
	Lukas Roth (University of Sydney) Witold Bloch (University of Adelaide)			Nigel Lucas (University of Otago)	
11:35-11:55	Mechanistic insight into steroid hormone	Strategies for assembling both discrete and	11:40-12:00	6	
	Wicefianistic margin mito attroid normanic	framework metallo-supramolecular structures			
	biosynthesis: what we learn from comparing	 from polyrotaxane generation to pressure 		Polynuclear chemistry of CSe and CTe	
	species Lisandra Martin (Monash University)	induced molecular switching		Anthony Hill (Australian National University)	
	Lisandra iviai tiii (ivionasii Oniversity)	Len Lindoy (University of Sydney)			
11:55-12:10	Organic and Ir(III) lanthanide conjugates for	Aromaticity and antiaromaticity in porphyrin			
	applications in bio-imaging and sensor	nanorings			
	developments Martin Peeks (LINSW)				
	Pria Ramkissoon (La Trobe)				
12:10-13:30	-13:30 Lunch Inorganic Division meeting 67-107				

Room		67-107			
13:30-14:00	Keynote 7				
	Lewis acidic boranes in synthesis and catalysis				
	Dr Rebecca Melen (Cardiff University)				
		Chair: Annie Colebatch			
Room	67-107	67-104	67-102		
	Chair: Nick Cox	Chair: Lauren Macreadie	Chair: Jon Kitchen		
14:05-14:25	Solar powered enzymes to drive the renewable	Porous coordination polymers of alkylamine ligands	Zapping and smashing light emitting lanthanoid		
	hydrogen economy	Stuart Batten (Monash University)	complexes		
	Trevor Rapson (CSIRO)	Studit Datter (Worlds) Onlyersity)	Mark Ogden (Curtin University)		
14:25-14:45	Site-specific incorporation of metal-radionuclides into	Pressure-induced structural transformation in the	New examples of lanthanide containing single		
	antibodies for diagnostic imaging	metal guanidinium formates	molecule toroics (SMTs) and of D-F heterometallics		
	Stacy Rudd (University of Melbourne)	Anthony Phillips (QMUL)	Keith Murray (Monash University)		
14:45-15:05	New reactions and new intermediates in cysteine	The effect of pressure, guest uptake and structural	1 Luminescent lanthanide-based complexes and their		
	dioxygenase	flexibility on porous materials	applications to the detection of biologically and		
	Guy Jameson (University of Melbourne)	Stephen Moggach (University of Western Australia)	environmentally relevant species		
	Cuy sumeson (Consense) of mensourne,	Keily Luck (Monash University)			
15:05-15:30	Afternoon tea				
Room	67-107				
15:30-16:00	Keynote 8				
	Fluorescent sugars and other applications of boron pyrrole complexes				
	Professor Penelope Brothers (Australian National University)				
	Chair: Louis Rendina				
16:00-17:00	Burrows Award lecture				
		Chair: Louis Rendina			
17:00-17:10	Conference closing remarks				

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