

**59TH IRISH UNIVERSITIES CHEMISTRY RESEARCH COLLOQUIUM
DUBLIN CITY UNIVERSITY 2007**

**PROGRAMME
THURSDAY 14 JUNE 2007**

Venues :

Session A ; Larkin Theatre Room T101

Session B ; Henry Grattan Room CG12

9.15am Welcome by Dean of Faculty Science & Health – Prof Malcolm Smyth

<i>Session I VENUE A</i>		<i>Organic</i>
<i>Chairperson : Dr Tim Smyth</i>		
9.30	<i>Presentation 1</i>	Robert McCarthy (UCD)
	<i>Synthesis of muscarinic receptor antagonists related to himbacine</i>	
9.55	<i>Presentation 2</i>	Linda. S. Doyle (NUIM)
	<i>NH-Isloxazolidines-A New Generation of Organocatalysts.</i>	
10.20	<i>Presentation 3</i>	Isabel M. Unwin (TCD)
	<i>The chemistry of β-sulfonylenamines.</i>	
	<i>10.45 – 11.15 Coffee Break & Poster Session in The Helix</i>	

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Session II VENUE A
Chairperson : Dr T McCormac

Physical

11.20 Presentation 4

Sarah J. Killoran (UCD)

Comparison of phenylenediamine isomers for the synthesis of permselective biosensor polymers for neurochemical analysis

11.45 Presentation 5

Muath Atmeh (DIT)

Photoactive Metallocyclodextrins; Photophysical Studies of Covalently and Non-covalently Linked Donor-Acceptor Assemblies.

12.10 Presentation 6

Berry Matijssen (TCD)

Determination of the pK_a of α_1 -subtype selective antagonists.

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Session III VENUE B		Analytical
Chairperson : Dr Donal Leech		
11.20	Presentation 7	L. A. Cooke (QUB)
	<i>Oligonucleotides with Photoswitchable Properties.</i>	
11.45	Presentation 8	Rodica Doaga (ITT)
	<i>Novel cholesterol biosensors using nanoparticle materials.</i>	
12.10	Presentation 9	Niall J. Finnerty (NUIM)
	<i>The Development of a Microelectrochemical Sensor For the Monitoring of Nitric Oxide in Brain Extracellular Fluid.</i>	
	<u>12.35 – 2.00 Lunch</u>	

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Session IV VENUE A		Organic
Chairperson : Dr B Murray		
2.10	Presentation 10	Keith ó Proinsias (ITT)
	<i>Synthesis of Lanthionine and its Analogues.</i>	
2.35	Presentation 11	Murali Nagabelli (RCSI)
	<i>Diversity oriented synthesis using Polyfunctional Scaffolds.</i>	
3.00	Presentation 12	Elaine M. Hernon (NUIG)
	<i>α-Hydroxyalkyl radicals in synthesis: Photomediated generation of carbon-carbon bond forming reactions with alkynes.</i>	

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Session V VENUE B		<i>Physical</i>
Chairperson : Dr D Brougham		
2.10	Presentation 13	L. McLaughlin (QUB)
	<i>Liquid Phase Hydrogenation of Disulfides on Pd Catalys</i>	
2.35	Presentation 14	Peter Owens (NUIG)
	<i>Analysis of Crude Petroleum Oils using Frequency Domain Fluorescence Lifetime Measurements.</i>	
3.00	Presentation 15	Patrick Enright (DIT)
	<i>Study of a Light Assisted Fuel Cell.</i>	
3.25 – 3.50 Coffee Break & Poster Session in The Helix		

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Session VII VENUE B		Inorganic
Chairperson : Dr J McGinley		
3.55	Presentation 16	D. Karcz (ITT)
	<i>Synthesis and biological activity of coumarin derived Schiff bases and their copper(II) complexes.</i>	
4.20	Presentation 17	Clara Pampillón (UCD)
	<i>Highly Substituted Titanocenes: Promising Novel Anti-cancer Drugs.</i>	
4.45	Presentation 18	Gareth Cooke (TCD)
	<i>The Coordination Chemistry of Novel Nitrogen-Containing Polyaromatic Ligands.</i>	
5.10	Presentation 19	Grainne Black (NUI Galway)
	<i>Bio-Butanol - A Second Generation Biofuel</i>	

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Session VI VENUE A		Analytical
Chairperson : Dr D Fitzpatrick		
3.55	Presentation 20	Robert Byrne (DCU)
<i>Ligands with Photo-switchable Activity - An Added Dimension for Analytical Measurements.</i>		
4.20	Presentation 21	Michelle Giltrap (DIT)
<i>Toxicity Evaluation of Organotin Compounds in Irish Marine Sediment using Two Fish Cell Lines Integrated with Chemical Analysis.</i>		
4.45	Presentation 22	Garry D. Sisk (UCC)
<i>Chromatography on a Chip.</i>		

5.10 – FINISH

8pm – Conference Dinner in The Regency Hotel

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**PROGRAMME
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Session VIII VENUE A		Organic
9.30	Presentation 23	Orlagh C.M. O'Sullivan (UCC)
	<i>Reactivity of α-Diazosulfoxides via α-Oxosulfine Intermediates: The Wolff is at the Door!</i>	
9.55	Presentation 24	Matthew J. G. Stewart (QUB)
	<i>Synthesis of inhibitors against Thiol/Disulfide Redox Proteins.</i>	
10.20	Presentation 25	Ewa Kowalska (DCU)
	<i>Pharmaceuticals: Chiral building blocks for asymmetric catalysis.</i>	

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Session IX VENUE B

Physical

Chairperson : Dr T Velasco-Torrijos

9.30 Presentation 26

John M. O' Callaghan (UCC)

Swelling of Liquid Crystal Films.

9.55 Presentation 27

Katerina Lepkova (UL)

Controlled Synthesis of Metal-Polymer Nanocomposites at an Electrified Liquid-Liquid Interface.

10.20 Presentation 28

Owen Byrne (NUIM)

Optical spectroscopy of Atomic Europium isolated in inert and reactive matrices-the formation of solid state lanthanide complexes.

10.45 Coffee break & Poster Removal

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Session X VENUE A		Physical/Inorganic
11.20	Presentation 29	Shane McArdle (UL)
	<i>The Hydrogenation of Edible Oils.</i>	
11.45	Presentation 30	S. Cecco (RCSI)
	<i>Hydroxamic Acid Complexes of Ruthenium(III) - Synthesis, Characterisation and In Vitro Pharmacological Evaluation.</i>	
12.10	Presentation 31	Anthony Coleman (DCU)
	<i>Photoinduced isomerisation in organometallic systems.</i>	
12.35pm Closing and Award Ceremony		