

THURSDAY 23rd

8.45 am	Registration	
	Boole 3	
9.30 am	Welcome and Opening Remarks Prof. Justin D. Holmes <i>Head of Chemistry</i>	
	Plenary Lecture	
9.45am	Prof. John Sodeau <i>Every Breath You Take</i>	
	Boole 3	Boole 4
	CHAIR: Dr Paul Evans	CHAIR: Dr Orla Ni Dhubhghaill
10.35am	Aramballi Jayanth, S. (TCD) <i>Self assembly studies of tripodal molecules towards new materials</i>	Gibson, Gregory (QUB) <i>The Electrochemical Generation of O₃ on a Ni/Sb-SnO₂ Electrode: A DFT Study</i>
11.00am	O'Shea, Kevin (UCC) <i>Synthesis & Evaluation of Novel Functionalized Indoles as Potential Inhibitors of Kinase</i>	Wilson, Eoin (UCC) <i>Investigation of the near-UV optical properties of secondary organic aerosols in an atmospheric chamber</i>
11.25am	Coffee Break	
	CHAIR: Dr Ger McGlacken	CHAIR: Prof. Martyn Pemble
11.55am	Reddy, Andrew (Maynooth) <i>Synthesis, Characterization and In Vitro Anti-parasitic Activity of a Novel Family of Glycosylated Metallodrugs</i>	Liu, Pai (UL) <i>Device Scale Assembly of Semiconductor Nanorods by Electrophoretic deposition</i>
12.20pm	Smith, Raymond (UCD) <i>Configuration-Based Orthogonal Activation of Thioglycosides</i>	Sarangapani, Chaitanya (DIT) <i>Non-thermal plasma: a novel chemical decontamination tool</i>
	Flash Talks 1	
	CHAIR: Dr Dara Fitzpatrick	CHAIR: Dr Tony Keene
12.45pm	Helen, Lisa (Tyndall/UCC) <i>The 'Smart' Needle – A Needle Integrated with an Impedance Sensor for Objective Nerve Localisation during Ultrasound Guided Peripheral Nerve Block</i>	Browne, Michelle (TCD) <i>Water Splitting at Transition Metal Oxide (TMO) Films in Alkaline Media - Cost vs. Activity</i>

	Ahmed, Muhib (Maynooth) <i>New Life for an Old Tuberculosis Drug</i>	Buk, Vuslat (Tyndall) <i>Novel miniaturized gold microelectrodes for electrochemical detection of hydrogen peroxide</i>
	Kitteringham, Eolann (RCSI) <i>Development of Bespoke Metal Complexes for Cellular Targeting</i>	Heffernan, Maria (UL) <i>Electroactive Bioresorbable Materials for Tissue Engineering Scaffolds</i>
	Gaynor, Brian (UCD) <i>In Silico Determination of Dioxygen Addition to a (Cp*)Ru(II) β-diketiminate Complex</i>	Newman, Gemma (ITT) <i>Design and Evaluation of New Biomaterials to Treat Fungal Infection</i>
1.05pm	Lunch	
	CHAIR: Dr Stuart Collins	CHAIR: Prof. John Cassidy
2.15pm	Ramos, Jessica (Maynooth) <i>Selective aliphatic/aromatic organogelation controlled by the side-chain protection of serine amphiphiles</i>	Ryan, Catherine (UCC/Tyndall) <i>An organic-inorganic composite designed for pH-driven optical detection by combination of chitosan and colloidal silica</i>
2.40pm	Antonik, Pawel (NUIG) <i>Lectin-Glycopolymer Interactions as a Route to Noncovalent PEGylation</i>	Ford, Rochelle (UCD) <i>Design and characterization of amperometric glutamate biosensors</i>
3.05pm	McKeon, Aoife (RCSI) <i>Pt Anticancer Compounds; Targeting HSP70-1</i>	Kyne, Michelle (NUIG) <i>Fluorescence Emission Properties of Triazine Fluorophores in Micelle and Protein Solutions: A Comparison</i>
3.30pm	Coffee Break	
	CHAIR: Dr Simon Lawrence	CHAIR: Dr Eric Moore
4.00pm	Conway-Kenny, Robert (TCD) <i>Synthetic Potential; Large Poly-Phenyl Ligands Derived from 1,10-Phenanthroline</i>	McCrellis, Corina (QUB) <i>Effect of the Presence of MEA on CO₂ Capture Ability of Superbasic Ionic Liquids</i>
4.25pm	Zhang, Shi Yuan (UL) <i>A Chiral Crystalline Sponge</i>	Cheung, Shane (RCSI) <i>Real-time Imaging of Lysosomal Disruption with a pH Responsive NIR Fluorophore</i>

Flash Talks 2	
4.50pm	<p>CHAIR: Dr Micheal Scanlon</p> <p>Mulahmetovic, Ensar (DIT) <i>Synthesis of Novel Magnetic Catalysts</i></p> <p>Molphy, Zara (DCU) <i>DNA Oxidation Profiles of Copper Phenanthrene Chemical Nucleases</i></p> <p>Jinju, James (UCD) <i>Catalytic asymmetric synthesis of sterically hindered α-allyl-α-aryl lactones</i></p>
	<p>CHAIR: Dr Colm O'Dwyer</p> <p>Pettenuzo, Andrea (NUIG) <i>Recent Developments of Gold(III) Dithiocarbamate Glycoconjugates for the Targeted Metal-Based Anticancer Chemotherapy</i></p> <p>O'Connell, John (UCC) <i>Monolayer doping of Si and InGa_{0.53}As_{0.47} substrates and devices for future CMOS applications</i></p> <p>Creedon, Niamh (Tyndall) <i>Nanowire-based, Label-free Electrochemical Detection of Bovine Respiratory Disease Pathogens in Serum</i></p>
5.10pm	Kampus Kitchen
6.10pm	Poster Session
	Finish Day 1
	River Lee Hotel (Weir Bar)
8.00pm	BBQ

FRIDAY 24th

	Boole 3	Boole 4
	CHAIR: Dr Colm O'Dwyer	CHAIR: Dr Nikolay Petkov
9.55am	Slator, Creina (DCU) <i>[Cu(o-phthalate)(phenanthroline)] Exhibits Unique Superoxide-Mediated NCI-60 Chemotherapeutic Action through Genomic DNA Damage and Mitochondrial Dysfunction</i>	Bruen, Danielle (DCU) - <i>Applications of Fluorescent Biosensors for Non-Invasive Glucose Monitoring</i>
10.20am	Belhout, Samir (UCD) <i>Preparation and Characterisation of Supported Gold Nanoparticles with Tunable Loading and Various Applications</i>	McCarney, Eoin (TCD) <i>Synthesis of functional supramolecular architectures the development of healable luminescent metallo gels from triazole- based heterocyclic ligands</i>
10.45am	Coffee Break	

Boole 3

11.15am

Keynote Speaker

Dr Dara Fitzpatrick

A Sound Approach to Analytical Chemistry

12.00pm

Award Presentations

Closing Remarks

Prof. Anita Maguire

Vice President for Research & Innovation