

9th Annual DCU Chemical Research Symposium

Friday May 10th, 2024, Room SA101, Stokes Building

09:00 – 09:45	Welcome Reception	
09:45 – 09:50	Head of School of Chemical Sciences <i>Welcome address</i>	
Session 1	Chair: Dr Mercedes Vázquez	
09:50 – 10:30	Prof. Declan Gilheany <i>Culmination of the Development of Stoichiometric Asymmetric Grignard Synthesis of Tertiary Alcohols and Its First Catalytic Version</i>	(School of Chemistry, UCD)
10:30 – 10:45	Malou Coche <i>Development of synthetic molecular scissors for artificial gene editing</i>	(Prof. A. Kellett)
10:45 – 11:00	Stephen O’Sullivan <i>BODIPY-Anthracene Dyads for Antimicrobial Photodynamic Therapy</i>	(Prof. M. Pryce)
11:00 – 11:15	Rhianne Curley <i>Visualising stress granule dynamics with an RNA guanine quadruplex targeted ruthenium(II) peptide conjugate</i>	(Prof. T. Keyes)
11:15 – 11:30	Dr Jerry Clancy <i>Monitoring and Modelling of Biological Aerosols: A Sisyphean Task Nearing Completion.....Hopefully</i>	(Dr. D. O’Connor)
11:30 – 11:50	Coffee Break	
Session 2	Chair: Dr David O’Connor	
11:50 – 12:05	Hugh Mohan <i>The synthesis and characterisation of a doxorubicin/carbon nano-onion nanocarrier system</i>	(Prof. S. Giordani)
12:05 – 12:20	Shubhangi Kandwal <i>Discovery of small molecules blocking a key binding site in SARS-CoV-2 nsp3 protein</i>	(Dr D. Fayne)
12:20 – 12:35	Conor Newsome <i>A click chemistry approach for intracellular tracking of anticancer polynuclear platinum compounds</i>	(Prof. A. Kellett)
12:35 – 13:00	Postgraduate Flash Presentations (Full schedule overleaf)	
13:00 – 14:30	Lunch and Poster Session	
Session 3	Chair: Dr Loanda Cumba	
14:30 – 14:50	Undergraduate Flash Presentations (Full schedule overleaf)	
14:50 – 15:20	Dr Darren Fayne <i>Computer-Aided Drug Design - From bits & bytes to chemistry & disease</i>	(School of Chemical Sciences, DCU)
15:30 – 15:35	Head of School of Chemical Sciences <i>Awards ceremony and closing remarks</i>	
15:35 – 15:40	PGAC committee - Closing Remarks	
15:40 – 17:30	Wine reception	

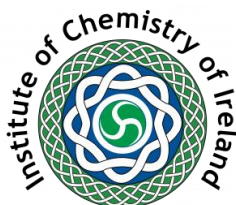
Thank you to all of our Exhibitors and Sponsors (sponsor list overleaf)

Postgraduate Flash Presentations Session 2

Caoilte O'Rourke	(Dr M. Vasquez)
<i>Smartphone-Integrated Colloidal Gold Assay for Rapid Detection of PAHs in Urban Waters</i>	
Gemma Davis	(Dr D. O'Connor)
<i>In Ireland's Trees, Pollens Breeze: A Swisens and Hirst monitoring first, A comparison sure to please</i>	
Conor Bain	(Prof. A. Kellett)
<i>The preclinical anticancer agent Cu-Oda promotes in vitro and in vivo breast cancer nuclease activity via superoxide mediated DNA damage</i>	
Martyna Bartusiak	(Prof. M. Pryce)
<i>Exploring Hydrogen Generation: An Enlightening Journey through Artificial Photosynthesis</i>	
Alexander Savelev	(Dr D. O'Connor)
<i>Chemical hide and seek: Chasing PMT mischief</i>	
Aoife O'Grady	(Dr R. Brannigan)
<i>Development of a Functional PolyHIPE-Based Water Filtration System for the Removal of PFAS</i>	

Undergraduate Flash Presentations Session 3

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