

# 9<sup>th</sup> Annual DCU Chemical Research Symposium

Friday May 10<sup>th</sup> 2024, Room SA101, Stokes Building

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

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

## Postgraduate Flash Presentations Session 2

<b>Caoilte O'Rourke</b>	(Dr. M. Vázquez)
<i>Smartphone-Integrated Colloidal Gold Assay for Rapid Detection of PAHs in Urban Waters</i>	
<b>Gemma Davis</b>	(Dr. D. O'Connor)
<i>In Ireland's Trees, Pollens Breeze: A Swisens and Hirst monitoring first, A comparison sure to please</i>	
<b>Martyna Bartusiak</b>	(Prof. M. Pryce)
<i>Exploring Hydrogen Generation: An Enlightening Journey through Artificial Photosynthesis</i>	
<b>Alexander Savelev</b>	(Dr. D. O'Connor)
<i>Chemical hide and seek: Chasing PMT mischief</i>	
<b>Aoife O'Grady</b>	(Dr. R. Brannigan)
<i>Development of a Functional PolyHIPE-Based Water Filtration System for the Removal of PFAS</i>	

## Undergraduate Flash Presentations Session 3

<b>Angelina Foley</b>	(Dr. N. Kerrigan)
<i>New Catalytic Methods for the <math>\alpha</math>-Alkylation of Carboxylic Acid Derivatives</i>	
<b>Emily Derham</b>	(Prof. M. Pryce)
<i>Solar Photocatalytic Hydrogen Evolution: Synthesis and Characterisation of a Platinum-NMI Photocatalyst and a BODIPY Photosensitiser</i>	
<b>Francesca Lembo</b>	(Prof. R. Forster)
<i>The Electrochemical and Electrochemiluminescent Detection of Anti-Epileptic Drugs</i>	

**abcr**



**Anton Paar**

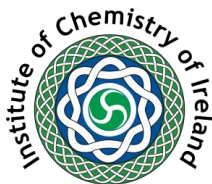
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