



6<sup>th</sup> Symposium of the Irish Biological Inorganic  
Chemistry Society-IBICS-6, Thursday, 8<sup>th</sup> December  
2022



Symposium Venue: Lecture Theater HG22, School of Nursing.

Time	Speakers and title of the presentation	Type
10:45-11:00	<b>Welcome address by Prof. Michael Devereux</b>	
<b>Session 1</b>	<b>Chair: Prof. Kevin Kavanagh (Plenary)/Dr. Diego Montagner</b>	
11:00-11:40	<b>Prof. Hubertus Haas</b> Fungal siderophore uptake and its translational potential; <i>Sponsored by the Microbiology Society</i>	<b>Plenary 1</b>
11:40-11:55	<b>Karolina Wojtczak, NUIG</b> Shining a Light on Bacteria: Lanthanide-Base Glycoconjugate Molecular Sensors for Lectins.	Oral
11:55- 12.10	<b>Lewis More O'Ferrall, TUDublin</b> Next-Generation Gallium complexes to Combat Antimicrobial Resistance.	Oral
12:10-12:40	<b>Prof. Susan Quinn, UCD</b> Resolving Light-Activated Processes of DNA Bound Transition Metal Polypyridyl Complexes, Insights for Diagnostics and Therapeutics	<b>Keynote Lecture 1</b>
12.40- 12:55	<b>Dr. Oxana Kotova, TCD</b> From Chiral Luminescent Eu(III) self-assemblies in solution to hydrogels	Oral
12:55 to 13:10	<b>Lorcan Holdon, DCU</b> A Selective and Disruptive Luminescent Ru(II)Polypyridyl Probe of G-Quadruplex.	Oral
13:10-14.00	<b>Lunch &amp; Poster Session</b>	
<b>Session 2</b>	<b>Chair: Dr. Luca Ronconi/Prof. Celine Marmion (Plenary)</b>	
14:00-14:30	<b>Prof. Conor Long, DCU</b> Transient Complexes of Cu(II)-5,10,15,20-meso-tetrakis(N- methylpyridium-4-yl)porphyrin and Lewis Bases Including DNA Fragments: Are they Exciplexes?	<b>Keynote Lecture 2</b>
14:30-14.45	<b>Erika Mooney, TUDublin</b> Synthetic Strategies to Overcome the Solubility Limitations Associated with Novel Antimicrobial Coumarin Derivatives.	Oral
14:45-15.00	<b>Alex Gibney, DCU</b> Click and Cut: A Structurally Diverse Series of Potent Artificial Metallonucleases Accessed Directly via CuAAC.	Oral



<b>15:00-15:15</b>	<b>Darren Beirne, MU</b> Rational design, Synthesis and Biological Activity of Pt(IV)- imatinib-Pro-Drug Conjugates.	Oral
<b>15:15-15:30</b>	<b>Paul O' Dowd, RCSI</b> Synthesis and Biological Evaluation of Clinically Relevant Click- Functionalisable Pt(II)-Anticancer Complexes	Oral
<b>15:30-16:10</b>	<b>Prof. Jens Mueller</b> Metal-Mediated Base Pairs and their Possible Applications	<b>Plenary 2</b>
<b>16:10-16:25</b>	<b>Coffee Break</b>	
<b>16.25- 16:45</b>	Flash/Poster Presentations	3 min each
<b>Session 3</b>	<b>Chair: Dr. Orla NiDhubhghaill</b> <ol style="list-style-type: none"><li><b>Rhianne Curley, DCU.</b> Uptake of Phototoxic Membrane Permeable Ru(II) Polypyridyl Complexes in Live Mammalian Cells and Multicellular Tumor Spheroids.</li><li><b>Rosy Poliscchio, NUIG.</b> Rational Design of Lanthanide-Functionalized Vitamin B12 Probes for Targeted Tumor Bio-Imaging.</li><li><b>Sinead Ward, NUIM.</b> Synthesis, Characterization and Anti-Candida Albicans Activity of Cyclopentadienyl Iron Carbonyl Complexes.</li><li><b>Joseph Hennessy, DCU.</b> A Click-Chemistry Approach to cis-Platinum(II)-TFO Targeted DNA Crosslinking.</li><li><b>Neville Murphy, NUIG.</b> New Tools to Explore Effects of Metallocarboranes on TNBC Cell lines</li><li><b>Dr. Meenaxi Saini, DCU.</b> Platinum (II) Complex of Tridentate N<sup>C</sup>N Ligand as G-Quadruplex DNA selective Binder</li></ol>	
<b>16:45-17.15</b>	<b>Dr. Eimear Dolan</b> Dynamic implants for enhanced therapy delivery	<b>Keynote Lecture 3</b>
	<b>Chair: Prof. Michael Devereux</b>	
<b>17:15-17:30</b>	Presentation of the IBICS Postgraduate Gold Medal Award 2022 to Megan O'Shaughnessy (TUDublin) and Award Lecture	
<b>17.30-17.40</b>	<b>Prize Giving and Closing Remarks</b>	
<b>17:40-18:10</b>	<b>IBICS Annual General Meeting</b>	
<b>17.40 -19:30</b>	<b>Wine Reception</b>	