



OÉ Gaillimh  
NUI Galway



## INORGANIC IRELAND SYMPOSIUM 2021

14<sup>th</sup> May, 2021

1 <sup>st</sup> session; chair: Constantina Papatrifiantafyllopoulou		
9:00-9:05		Welcome
9:05-9:40	<b>Serena Corr</b> , University of Sheffield	Designing synthetic strategies and in situ monitoring for next generation batteries
9:40-10:05	<b>Guillaume Lefevre</b> , CNRS	Key stereoelectronic requirements in Fe-catalyzed cross-coupling involving Fe <sup>II</sup> /Fe <sup>III</sup> electron-transfer chemistry : a two-part redox tale.
10:05-10:20	<b>Amir Abdo</b> , NUI Galway	The reactivity of Iron(III)-Porphyrin Complexes Against Nitric Oxide
10:20-10:23	<b>Adrien Szucs</b> , TCD	New insights into the formation of rare earth carbonates via mineral replacement reactions
10:23-10:26	<b>Neville Murphy</b> , NUI Galway	Metallacarboranes as TNBC therapeutics
10:26-10:29	<b>Sean Hennesey</b> , NUI Galway	Highly Selective Photocatalytic Oxidation of Useful Organic Substrates
10:29-10:32	<b>Rosy Poliscchio</b> , NUI Galway	Rational design of lanthanide-functionalized vitamin B12 probes for targeted tumor bio-imaging
<b>Poster Session 1 -Coffee break</b>		
2 <sup>nd</sup> session; chair: Luca Ronconi		
11:10-11:55	<b>Alison Parkin</b> , University of York	2019 RSC Sir Edward Fellowship Lecture
11:55-12:20	<b>Joseph Byrne</b> , NUI Galway	Carbohydrates and metals: antimicrobial and catalytic activity and towards sensor applications
12:20-12:35	<b>Lorna Doyle</b> , TCD	Activation of a Mn <sup>II</sup> Mn <sup>III</sup> -Peroxide with relevance to the catalytic cycle of Ib RNRs.
12:35-12:38	<b>Hollie Jenkins</b> , TUD	Cytotoxicity of Copper(II) Complexes in Normoxic and Hypoxic Cells
12:38-12:41	<b>Erika Mooney</b> , TUD	Synthesis of Novel Substituted Coumarin-3-Carboxylato-Silver(I)-NHC Complexes: Standard Schlenk Technique Vs. Ion Exchange Route
12:41-12:43	<b>Clara Evans</b> , MU	Novel Silver-based Therapeutics: Biological Activity and Stability
<b>Lunch break</b>		
3 <sup>rd</sup> session; chair: Pau Farras		
13:45-14:10	<b>Veronica Sofianos</b> , UCD	Diverse Morphologies of Zinc Oxide Nanoparticles and their Electrocatalytic Performance in Hydrogen Production
14:10-14:25	<b>Gita Singh</b> , UCD	Self-supported Ni@MOF cubes on carbon cloth as binder-free architecture

		for supercapacitor application
14:25-14:40	<b>Chakadola Panda,</b> TCD	Lewis Acid Mediated C(sp <sup>3</sup> )-H Bond Activation by a $\mu$ -Fluorido Diiron(III)
14:40-15:05	<b>Paul Kavanagh,</b> QUB	Ferricenium decorated colloidal gold particles: synthesis, characterisation and applications.
<b>Poster Session 2 -Coffee break</b>		
<b>4<sup>th</sup> session; chair: Grace Morgan</b>		
15:45-16:20	<b>George Christou,</b> UF	Molecular Chemistry as a Route to Ultra-small Nanoparticles of Important Metal Oxides
16:20-16:35	<b>Nikolaos Tsoureas,</b> University of Sussex	Synthesis and Reactivity of Actinide Sandwich Complexes supported by the cyclo-butadienyl ligand.
16:35-16:50	<b>Karmel Gkika,</b> DCU	Osmium(II) Bridged Polyarginine Conjugates: From 2D Cell Imaging to in depth Penetration of 3D Multicellular Tumor Spheroid
<b>Poster Session 3 -Coffee break</b>		
<b>5<sup>th</sup> session; chair: Celine Marmion</b>		
17:30-18:15	<b>Nicholas P. Farrell,</b> Virginia Commonwealth University	ICI David Brown Award 2021 Lecture: " <i>Inorganic drugs - away from DNA and back ?</i> "
18:15-18:40	<b>Luca Ronconi,</b> NUI Galway	Gold-based dithiocarbamate glycoconjugates: a suitable strategy to target tumor glycolysis?
18:40-19:00	<b>Presentation Awards, closing remarks</b>	

