

# IBICS-4

27<sup>th</sup> November 2020

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#IBICS4



**11:00-11:10 Opening – Professor Celine Marmion, IBICS President**

**Session 1 - Chairperson: Professor Michael Devereux**

*Keynote Presentation*

11:10-11:35 **Professor Andrea Erxleben, NUIG:** *Mitochondria-targeting Metallodrugs*

*Oral Presentations*

11:35-11:45 **Stephen Barrett, MU:** *2D and 3D Anticancer Activity, DNA Binding and Cell Mechanistic Studies of Estrogen-Functionalized Cu(II) Complexes*

11:45-11:55 **Dr Ashwene Rajagopal, RCSI:** *Comparative study on the ferrocenyl- and styryl- based tungsten fisher carbene complexes towards antimicrobial photodynamic therapy*

11:55-12:05 **Karmel Gikka, DCU:** *Mitochondrial Targeted Osmium Polypyridyl Probe Shows Concentration Dependent Uptake, Localisation and Mechanism of Cell Death.*

12:05-12:15 **Amir Abdo, NUIG:** *DFT/TD-DFT Investigation on the Intrinsic Properties of Hemin Conjugates Binding to Nitric Oxide*

*Plenary Presentation*

12:15-13:05 **Dr Ulrike Binder, Medical University of Innsbruck, Austria:** *Iron Metabolism in Fungi*

*Flash Presentations*

13:05-13:20 **Eoin Moynihan; Neville Murphy; Quasim Mustaq; Amrutha Prabhakaran**

13:20-13:30 Questions and Answers

**13:30-14:00 Lunch**

**Session 2 - Chairperson: Professor Celine Marmion**

*Plenary Presentation*

14:00-14:50 **Professor Vincent L. Pecoraro, University of Michigan, USA and SBIC President:** *Adventures in Metalloprotein Design: Enhancing Cu Nitrite Reductase Catalysis*

*Oral Presentations*

14:50-15:00 **Dr Joseph Byrne, NUIG:** *Carbohydrate-functionalised metal complexes: bacterial lectin-targeting glycoclusters and organometallic catalysts*

15:00-15:10 **Brionna McGorman, DCU:** *Click and Cut: Enzymatic Production of Molecularly Targeted DNA Scissors*

15:10-15:20 **Magdalena Piatek, MU:** *Characterisation of the proteomic response of Pseudomonas aeruginosa to gallium maltolate*

15:20-15:30 **Danielle Curran, UCD:** *Development of N-Heterocyclic Carbene Gold(I) Complexes as Promising Chemotherapeutics*

*Flash Presentations*

15:30-15:50 **Erica Mooney; Clara Evans; Megan Winterlich; Judit Fodor, Mark Stitch**

*Special Guest Presentation*

15:50-16:00 **Professor Malachy McCann, MU:** *From Cooking Fat to Facemask: Conquering Coronavirus*

*Keynote Presentation*

16:00-16:25 **Professor John Kelly, TCD:** *TAP keeps on flowing; Ruthenium Polypyridyls and DNA since the 1980s*

16:25-16:35 Questions and answers

**Session 3 - Chairperson: Professor Orla Howe**

*Special Guest Presentation*

16:35-17:05 **Professor Nils Metzler-Nolte, Ruhr-University Bochum, Germany and Chief Editor of the Journal of Biological Inorganic Chemistry:** *How first impression leads to decision: A glimpse behind the scenes of paper submissions*

17:05-17:20 *Presentation of the IBICS Postgraduate Gold Medal Award 2020 to Ms Aisling Ryan and Award Lecture*

17:20-17:25 **Professor Celine Marmion** Award Ceremony and Closing

**17:30-18:00 Annual General Meeting**