

## Prof. Dr. Kevin Lam



In 2010, Kevin Lam received his PhD in Medicinal and Synthetic Organic Chemistry from the Catholic University of Louvain in Belgium, under the supervision of Professor Istvan Marko. His doctoral work explored the use of electrochemistry and photochemistry as green alternatives to activate organic molecules. This work resulted in the development of a new radical-based deoxygenation reaction (the Lam-Marko reaction).

After his PhD, he moved to the University of Vermont (UVM). His research focused on applying analytical/physical electrochemistry alongside spectroscopy to study the complex redox behaviour of organometallic compounds.

This work bolstered the use of weakly coordinating electrolytes/solvents as an electrochemical medium to allow for the generation and characterisation of highly reactive and unstable 17e- organometallic radical-cations. Additional work at UVM led to the pioneering of a new method to modify electrode surfaces through an ethynyl linkage. The covalent attachment of molecules to an electrode surface is fundamental to the field of molecular electronics and numerous material applications.

In 2013, accepted a position of Assistant Professor at Nazarbayev University in Astana. During his time in Kazakhstan, Kevin developed a new research program in the field of Molecular Electrochemistry. His work led to the development of new organometallic anticancer compounds as well as to the discovery of novel, efficient and green electrocatalysts for CO<sub>2</sub> recycling.

In 2023, Kevin was promoted to Professor of Synthetic Electrochemistry at the University of Greenwich in the UK, where he continues his interdisciplinary research.