

Two 2-year fully-funded Research Fellowships (postdoctoral researchers) in Trinity College Dublin

Two fully-funded postdoctoral research fellowships, hosted by Professor Sylvia Draper are available in the Synthetic Materials for Molecular Opto-electronic Applications group in Trinity College Dublin. These positions are supported by Science Foundation Ireland (PI and Centre for Research on Adaptive Nanostructures and Nanodevices AMBER-2 centre funding) and are available for 24 months each (following successful probation).

Candidates with an interest in coordination chemistry and a Ph.D. in advanced organic synthesis and/or molecular optical spectroscopy are warmly invited to apply. The PI has extensive experience in research mentoring and supervision and is seeking researchers who are keen to establish independent research careers under the broad theme of engineered functional materials. Her team is known for its seminal contributions to the design and synthesis of polyaromatic materials, and current work focusses on modifying their metal-mediated properties. In particular rethinking ligand-based strategies that enhance those attributes most suited to sustainable applications in singlet oxygen generation, upconversion, photodynamic therapy, TADF and photopolymerisation. We are pushing the boundaries of what can be achieved and exploring novel phenomena, such as so-called "dark" triplet states to explore new avenues of enquiry using low energy photons.

The successful candidates will be provided with all the resources needed to do impactful research: a well-equipped synthetic laboratory with access to high-resolution Mass spectrometers (MALDI-TOF, ESI and APCI), NMR (multi-nuclear 400 and 600MHz), UV-Vis absorption, Emission and Excitation spectrophotometers and spectroelectrochemistry suite. The group works with a network of internal and global collaborators and welcomes all-comers with a genuine interest in making meaningful discoveries with their chemistry knowledge and as part of a team.

Appointments will be made on the SFI team member salary scale at a point in line with Government Pay Policy €38,631 - €45,942 per annum (exclusive of pension/PRSI).

How to apply:

CV (including publications) with the names and emails of three referees should be e-mailed to: Prof. Sylvia Draper (deanSTEM@tcd.ie) by January 10th 2022. The positions will remain open until filled, but the preferred start date is late January/February 2022.

The School of Chemistry holds an Athena SWAN bronze award and provides equal opportunities for individuals regardless of their gender identity or expression, race, culture or background.