

**4 year fully-funded PhD studentship and 2 year postdoctoral research fellowship available in the School of Chemistry, Trinity College Dublin, Ireland**

**2011-2016 SFI-PI Compound Interest: Multiple Outputs from Light-emitting Materials (10/IN.1/I2974)**

**Applications are invited for the above positions under the supervision of Prof. Sylvia Draper in the School of Chemistry, Trinity College Dublin.**

Graphenes have been heralded as the next generation new material on account of their unusual electronic and photonic properties. The Draper team specializes in the synthesis of molecular graphenes, including their heteroatom derivatives. They are one of the few groups developing graphene coordination /organometallic complexes and have growing expertise in the generation of photonic and liquid crystal materials. With this latest SFI-PI award the team hopes to build on the established structure/reactivity relationships of these intriguing materials and to exploit their emerging photophysical applications.

The project will involve ligand design, inorganic synthesis, X-ray diffraction and photophysics.

All applications from candidates with a good first degree (2:1 or above) in Chemistry or a related subject are most welcome. The positions are available from October 2011 onwards and are open to all nationalities (for non-EU postgraduates the elevated fees may reduce the stipend available).

Besides its attractive location, the School of Chemistry, Trinity College has a high international research reputation and is currently 36 in the QS world rankings.

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