Next Generation Organic Semiconductor Lasers

Organic semiconductors combine novel semiconducting optoelectronic properties with simple fabrication and the possibility of making lightweight, flexible devices. The purpose of this project is to make a new generation of organic semiconductors lasers, using a new class of light-emitting material. The project will involve studying the photophysical and lasing properties of the new materials and then develop lightweight flexible lasers made from them.

This Global St Andrews PhD project will be supervised by Professor Ifor Samuel and Professor Graham Turnbull (University of St Andrews) and Professor Uli Lemmer (Karlsruhe Institute of Technology). The successful student is expected to spend half the PhD in Karlsruhe, and the other half in St Andrews. A fuller description of the project and further details are available at

https://www.st-andrews.ac.uk/study/fees-and-funding/postgraduate/scholarships/global-physics/

Applications are requested by February 12th, 2021.