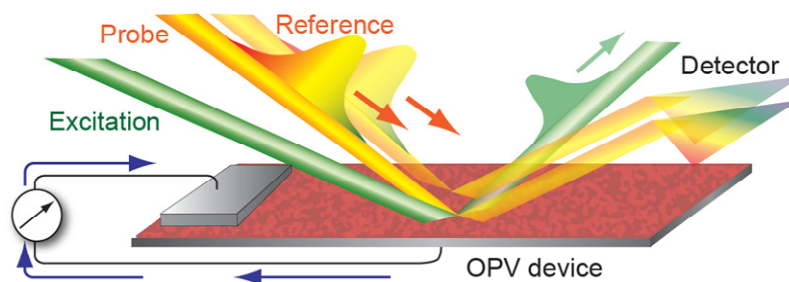


PhD scholarship in ultrafast spectroscopy of conjugated polymers

This project will employ state-of-the-art ultrafast laser spectroscopy to investigate mechanisms of photocurrent generation in conjugated polymer solar cells. In particular, we will use laser pulses to probe the nature of excited states and photogenerated charge pairs in an effort to design materials with a greater capacity to generate photocurrent.



The project is part of the MacDiarmid Institute of Advanced Materials and Nanotechnology. The project will be based in the School of Chemical and Physical Sciences at Victoria University of Wellington and will involve links with other groups in New Zealand and around the world.

The successful applicant will be part of a team that builds new experimental capabilities, thus competence in optics, electronics, and Labview programming will be beneficial. Applicants should be ambitious and demonstrate a high level of initiative. Applicants should ideally have a First-Class Honours Chemistry or Physics degree (or an equivalent 4-year degree qualification) and satisfy the Victoria University (<http://www.vuw.ac.nz>) requirements for PhD study. Non-native English candidates must have an appropriate English qualification (TOEFL, IELTS or Cambridge).

The scholarship provides a nontaxed living allowance of NZ\$27,000 per annum, which is a very comfortable living salary in Wellington, plus the PhD tuition fee for three years. The commencement date can be as early as 1 January 2010.

Contact:

Dr. Justin Hodgkiss
School of Chemical and Physical Sciences
Victoria University of Wellington
New Zealand

justin.hodgkiss@vuw.ac.nz

<http://www.macdiarmid.ac.nz/>
<http://www.victoria.ac.nz/scps/>