PhD Scholarship (4 Years) in Surface Enhanced BioRaman Spectroscopy.

Talented and enthusiastic applicants are sought for a fully funded PhD studentship (4 years full time) on a project funded through Science Foundation Ireland Research Centre; The Irish Photonic Integration Centre (IPIC).

The project is focussed on the development of chemically modified nanostructured substrates capable of supporting mammalian cellular growth for evaluation and identification of markers of cellular stress using Surface Enhanced Raman spectroscopy. The PhD project combines Raman microscopy, nanotechnology, biochemistry and data analysis.

The candidate will work within a multidisciplinary research team at The School of Chemical Sciences and National Centre for Sensor Research at Dublin City University, with collaborators within the Schools of Biotechnology and Computing.

Graduates with a background in chemistry, biochemistry, nanofabrication or (bio)materials science are sought and eligible candidates must hold a an honours BSc or higher degree with minimum of 2.1 grade in one of these disciplines. Candidates must meet the meet the requirements of the PhD program of Dublin City University including in English language skills.

To apply please submit a CV and cover letter including contact details of two referees, at least one of whom must be academic to Ms Sheila Boughton; sheila.boughton@dcu.ie by April 26th 2018.

For Informal enquiries contact Professor Tia Keyes, tia.keyes@dcu.ie