



## PhD Positions Available

PhD scholarships are available within the ARC Centre of Excellence for Nanoscale BioPhotonics (CNBP). You will be based at the Department of Physics at RMIT University in Melbourne, Australia, and work on experimental and/or theoretical projects in the field of fluorescent nanoparticles for bioimaging and sensing applications. Our goal is to develop advanced optical materials that efficiently deliver and collect light to and from cells and molecules locally. This will allow us to non-invasively probe individual interacting biomolecules and living cells by using nanoparticle-based sensors.

### About CNBP:

The research at the Centre for Nanoscale BioPhotonics is organised in four interconnected research themes:

### Illuminate, Measure, Recognise and Discover

and will focus on three biologically driven challenges at the forefront of current research:

**The Spark of Life** – measuring embryonic metabolism  
**Origins of Sensation** – the role of immune signals in sensation  
**Inside Blood Vessels** – measuring nitric oxide in blood vessels

See [cnbp.org.au](http://cnbp.org.au) for more information.

The PhD scholarships described here will be part of the Illuminate and Measure themes of the centre. Collaborating with CNBP researchers at the University of Adelaide and Macquarie University in Sydney will be an integral part of all projects. If you are interested, and a curious and motivated graduate in physics, chemistry or related discipline with a background in nanomaterials science and/or optics, please send your CV and a short (1 page) letter of motivation to

**Prof Andrew Greentree – Theory**  
**A/Prof Brant Gibson – Experiment**  
Information on scholarships:

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