

Bangor University School of Chemistry

PhD Studentship in Materials Chemistry.

Reference: 125th Anniversary Scholarship

Closing date for applications is Friday, 3rd June 2011. The successful applicant will start on 1st October, 2011.

To celebrate our 125th anniversary in 2009, Bangor University launched a five year program of postgraduate expansion. As a continuation of this strategic expansion, in 2011/2012 we will be offering Anniversary PhD studentships.

Applications are invited for a full-time 125th Anniversary PhD Research Studentship in materials chemistry available in the School of Chemistry of Bangor University (<http://www.chemistry.bangor.ac.uk/>). The studentship is tenable for up to 3 years for a PhD (subject to satisfactory progress).

Each holder of a PhD studentship receives an annual maintenance grant of £13,000 (for 2011/12). For the following two years (2012/13; 2013/14) the stipend will reflect Research Councils UK guidance. PhD studentship holders also receive an annual research allowance of up to £1,500 (for approved expenditure). **Studentship holders do not pay fees and both UK/EU and international students are welcome to apply.** No additional allowances are payable. Successful studentship applicant will be expected to supply around 100 hours per year of teaching/research assistance focused on a supervisor / research team as part of their development as an academic of the future.

Available Projects:

The research project will be available in one of the following area and the applicant will be affiliated to corresponding supervisor. Applicants are requested therefore to select up to two projects of their choice and place them in their applications in order of preference.

- Non-metal cation polyborates as new porous materials (Dr. M. A. Beckett)
- Rational optimisation and design of bone adhesives and implants: a combined approach (Dr. G. A. Chass)
- The development of a gold coating process for magnetic particles (Dr. C. Gwenin)
- Dye sensitized solar cells – catching the rainbow (Dr. P. J. Holliman)
- Chemical construction of a pathogenic bacteria attractant (Dr. M. Lahmann)
- Design, synthesis and studies of novel pi-functional conjugated materials for organic electronics and nanoelectronics (Prof. I. F. Perepichka)
- Multifunctional nanodevices for targeted cancer therapies with optimized drug activity and reduced side effects (Dr. H. Tai)

The Candidate: You will have strong interest in experimental materials chemistry (organic, inorganic, physical). Experience within modern methods of studies in particular subject (see the list of the projects) would be an advantage but not necessary. Prospective candidates should have a first or upper second class honours degree (or equivalent) in chemistry or related subjects, or MSc in relevant disciplines.

Informal enquiries and requests about the projects descriptions may be directed to: Dr. M. A. Beckett, Acting Head of School of Chemistry; tel.: +44 (0)1248-38-8433; e-mail: m.a.beckett@bangor.ac.uk

How to apply: Prospective candidates should make formal application by completing an on-line University Postgraduate Application Form available on the website:

<http://www.bangor.ac.uk/scholarships/copas.php.en>

You must make clear that you are applying for a Bangor University Anniversary Scholarship by writing “**Anniversary Scholarship**”. Then mention the preferred PROJECT TITLE(s) in answer to Question 3, under Check list Item 5: “*Are you applying for a Bangor University advertised research project / studentship?*” – please write the full project title here (up to two projects from the list in order of their preferences).

General application enquiries should be directed to: Ms Gaynor Mew, College Manager, College of Physical and Applied Sciences, Bangor University. Tel: +44 – (0)1248-38-2681. E-mail: g.l.mew@bangor.ac.uk