ARC PhD Scholarship in marine chemistry, novel technologies

An exciting opportunity exists for a suitably qualified graduate to undertake a PhD scholarship to investigate the role of saccharides in transformations of iron chemistry in seawater.

- Based at The **University of Technology, Sydney** within the Plant Functional Biology and **Climate Change** Cluster (C3) the project will be undertaken as part of a larger multidisciplinary project entitled "Novel technologies to resolve the role of organic matter on iron chemistry and bioavailability in the South Pacific Ocean" recently funded by the Australian Research Council under the **Discovery Project** scheme.

- This scholarship offers a unique opportunity to work within a **cross-disciplinary** scientific collaboration at national and international levels studying iron biogeochemistry.

- The PhD candidate will investigate the role of **organic matter**, especially biologically produced organics on the **chemical speciation and redox cycling of iron** in marine systems.

- This PhD research will be done in parallel with a project on the measurement of iron bioavailability and the optimisation of a cyanobacterial bioreporter (C. Hassler), thus providing a **unique opportunity** to understand the **complex interplay between iron chemistry and biology**.

- Participation in one or more **oceanographic voyages** in the Southern Ocean or the Tasman Sea is anticipated.

Eligibility:

1. Applicant should have a strong back ground in environmental/aquatic chemistry.
2. Applicants must have a relevant first class-Honours degree and be eligible as a candidate for UTS Doctor of Philosophy.
3. International applicants are also welcome

Stipend/salary: Australian Research Council PhD Stipend: $ 26,669 AUD pa (indexed annually) is tenable for a period of 3 years. Full time research scholarships are tax exempt.
C3 funds an additional $5,000 travel grant, UTS Science provides a fully maintained laptop

Start Date: 1st July 2010
Applications close: 1st March 2010

Further Details:

- PhD research outline

To apply:
Please send a letter of interest outlining your relevant skills and experience, contact information for three referees and your CV to Christel.Hassler@uts.edu.au

For all enquiries contact Christel.Hassler@uts.edu.au