

## **4 ECOLOGICAL POST-DOCTORAL APPOINTMENTS**

### **UNIVERSITY OF QUEENSLAND, BRISBANE, AUSTRALIA**

ARC Centre of Excellence for Coral Reef Studies  
(with University of Exeter, UK)

3 appointments in *spatial ecosystem modelling of coral reefs* & 1 appointment for a *coral reef field ecologist*

- 1) Spatial modelling of climate change impacts on coral reef ecosystem dynamics in Pacific systems (5 years). Funded by the ARC with possibility of field studies on the Great Barrier Reef.
- 2) Coral reef field ecologist with interests in reef resilience and ecosystem services (5 years). Funded by the ARC to help build and lead a collaborative field research programme in Australia and elsewhere.
- 3) Modelling of climate change impacts and bioerosion on Caribbean coral reefs (4 years). Funded by the EU, this position is based at the University of Exeter (UoE) but the post-holder will be seconded to UQ. This position is part of a collaborative project with Caribbean partners and involves extensive travel in the region
- 4) Spatially-realistic modelling of coral and fish metapopulation dynamics (3 years). Funded by NERC, this position is based at the UoE but the post-holder will be seconded to UQ. Includes travel to Exeter to liaise with partners modelling climate change.

All four positions will complement on-going field and theoretical studies of both Caribbean and Pacific coral reefs. Post-holders will join a diverse network of scientists that include coral biologists, field ecologists, climate modellers, and conservation biologists. Each of the positions is motivated by a conservation need and outcomes of the research will contribute to the sustainable management of these threatened ecosystems. The long tenure of these positions make them an excellent opportunity to develop an impressive track record in ecology and marine conservation.

Eligibility: Applicants of any nationality are eligible to apply for these positions. A PhD and appropriate publication track record are required for all posts. A background in ecological modelling is required for posts 1, 3 and 4 though this does not have to involve coral reefs or marine ecosystems. For post 3, a background in bioerosion and reef accretion / calcification would be highly desirable. The field ecologist should already have developed a track record in coral reef ecology, preferably in Pacific systems. Research interests can vary and may include coral population dynamics, herbivory, algal dynamics, population connectivity, reef fish biodiversity. All four post-doctoral appointees are expected to work collaboratively with partners in other institutions and disciplines. Excellent opportunities exist to forge new research linkages and present research findings at an international level. Post-docs are also expected to fulfill a mentoring role for post-graduate students and contribute actively to a wider research environment.

All appointments begin on the 1<sup>st</sup> April 2010. Salary for posts 1 and 2 is AUSD\$61,399 pa plus generous superannuation package (additional 17%). Salary for post 3 starts at £28,839 - £32,458 depending on experience. Salary for post 4 starts at £26,391 - £30,594 depending on experience. For all applications please send a CV, the names and email addresses of 3 referees, and a cover letter addressing your fit to the job specification to Prof Peter Mumby at [p.j.mumby@ex.ac.uk](mailto:p.j.mumby@ex.ac.uk). For jobs funded at Exeter please also submit the application forms found at <http://www.exeter.ac.uk/working/prospective/vacancies/>. Feel free to get in touch if you have questions. Application deadline is 15<sup>th</sup> November 2009.

