UNIVERSITY OF GOTHENBURG
CENTRE FOR MARINE EVOLUTIONARY BIOLOGY

6 months position as young researcher in population genomics of speciation at the Centre for Marine Evolutionary Biology, Faculty of Science, University of Gothenburg

Centre for Marine Evolutionary Biology (**www.cemeb.science.gu.se**) is a Swedish centre of excellence linking research in theoretical biology, population genetics, ecological genomics, developmental biology, physiology and ecology. About 50 researchers, postdocs and PhD students work jointly in the programme. CeMEB is funded by the Swedish Science Research Councils (VR and Formas) and the University of Gothenburg during the period 2008-2018.

During the year 2013 the Centre will host Professor Roger Butlin, University of Sheffield, as guest professor. Professor Butlin is an authority in research on hybrid zones and speciation. We now seek a dedicated young researcher with a PhD degree in the field of population genetics/genomics/bioinformatics to be appointed at CeMEB as a young researcher during 6 months to work closely with Professor Butlin and in collaboration with the CeMEB community.

The project

During his time in Sweden, Professor Butlin will work on local adaptation and the evolution of reproductive isolation in the marine snail *Littorina saxatilis*. The project will make extensive use of data from NGS sequencing, including a new study on hybrid zones between Swedish ecotypes and analysis of existing sRAD and RNAseq data to study genomic differentiation across abrupt environmental boundaries. The *de novo* genome sequencing of *Littorina saxatilis* is currently nearing completion by the CeMEB consortium. Professor Butlin will work jointly with the CeMEB community in assembling and annotating the genome, as well as combining the genome assembly with a genetic map using sRAD markers. There may also be an opportunity to work with Professor Butlin on a pilot project, probably with a different model organism, aimed at detecting the very first steps in the evolution of reproductive isolation.

Qualifications

The successful applicant should have a PhD in evolutionary genetics, or a related discipline, and either previous experience of working with analyses of high-throughput sequencing data in an evolutionary context or demonstrable willingness and aptitude to develop skills in this area. Experimental, hands-on experience with live organisms and

previous work with hybrid zones or speciation processes are desirable but not a requirement.
Good communication abilities in written and spoken English are required qualifications.

Starting date
The postdoc period should ideally start in May-June and will last through the summer of 2013 (with the opportunity for a short 2 week holiday).

Practicalities
The position is based at the University of Gothenburg's marine research station at Tjärnö (see www.loven.gu.se). There will be a possibility to rent a room (with shower, and common kitchen) at the research station hostel.

For more information contact the postdoc host, Professor Roger Butlin (r.k.butlin@sheffield.ac.uk) or the programme coordinator, Professor Kerstin Johannesson (Kerstin.Johannesson@gu.se). For information about salaries, appointment rules, etc. contact the head of the department, Dr Ingela Dahllöf (Ingela.Dahllof@bioenv.gu.se).

Applications should include a CV and a publication list, a letter describing the applicant's earlier experiences and skills, the motivation for applying (one page limit), and the name and contact information for two independent reference persons.

The application should be sent by email to
Eva.Marie.Rodstrom@gu.se

The application should reach the above address **no later than 28th February**.