

## 7 PhD positions at the Marie Curie Early Stage Training Site for Marine Microbiology

### General Description:

The International Max Planck Research School of Marine Microbiology (MarMic) is one of the few graduate schools worldwide that is able to offer a PhD degree in marine microbiology because of the singular concentration of expertise in disciplines relevant to marine microbiology in and around Bremen that does not exist elsewhere. The comprehensive study of marine microbiology includes not only training in microbiology, but also in marine biology, oceanography, molecular biology, bioinformatics, geology, and biogeochemistry and is thus truly interdisciplinary, bridging life, environmental and geological sciences. The MarMic training concept is unique: to educate a new generation of marine microbiologists, and provide them with the tools to better understand microbial life and the manner in which it affects our biosphere.

**Application Deadline:** 30/04/2006

**Start Date:** 01/09/2006

### Details of the application procedure:

are listed on our website:

<http://marmic.mpg.de/marmic/cms/application.php?section=application>

The students would join our graduate program in marine microbiology called MarMic and could get a joint degree from both MarMic and their home university.

### Criteria for the eligibility of the researcher(s):

- The researcher must be in the first 4 years of his/her research activity, including periods of research training, since gaining a university degree giving him/her access to doctoral studies in the country in which the degree was obtained.
- The researcher must be a national of a member state of the European Community or of an Associated State, but may not be a German national.
- A researcher from a third country having legally resided or/and having had his/her main activity in the EU or in an Associated State(s) for at least 4 years (in total) out of the last five years immediately prior to his/her appointment is treated as a national of the EU member state in which (s)he has resided for the longest period.
- At the time of appointment, the researcher may not have resided or carried out his/her main activity in Germany for more than 12 months in the 3 years immediately prior to his/her appointment.

### Contact:

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## Research opportunities in MarMic - Examples:

- **Diversity, abundance and function of marine planktonic Cytophagales**  
(MPI, Dept. of Molecular Ecology)  
For details see: <http://europa.eu.int/eracareers/jvs/10469729/>
- **Phylogeny and diversity of the symbionts in *Osedax***  
(MPI, Symbiosis Research Group in the Dept. of Molecular Ecology)  
For details see: <http://europa.eu.int/eracareers/jvs/10327516/>
- **Geographic integration of habitat and genome data with the diversity and abundance of marine microorganisms** (MPI, Microbial Genomics Group)  
For details see: <http://europa.eu.int/eracareers/jvs/10327841/>
- **Isolation and characterization of anaerobic microorganisms**  
(MPI, Dept. of Microbiology)  
For details see: <http://europa.eu.int/eracareers/jvs/10470115/>
- **Metabolism of biogenic sulfur in phototrophic bacteria - enzymology and molecular biology** (University of Bremen, Marine Microbiology)  
For details see: <http://europa.eu.int/eracareers/jvs/10470338/>
- **Bioactive substances from benthic cyanobacteria - screening and identification**  
(University of Bremen, Marine Microbiology)  
For details see: <http://europa.eu.int/eracareers/jvs/10470566/>
- **C, N, and Si isotopic fractionation during production of the diatom cell wall**  
(AWI, Section Biogeosciences)  
For details see: <http://europa.eu.int/eracareers/jvs/10470918/>
- **Decomposition of sinking organic aggregates that are the main vehicles for the sedimentation of organic matter within the ocean** (AWI, Section Biogeosciences)  
For details see: <http://europa.eu.int/eracareers/jvs/10471184/>
- **Copepod-bacteria interactions**  
(AWI Helgoland, Section Shelf Sea Ecology)  
For details see: <http://europa.eu.int/eracareers/jvs/10471631/>
- **Exopolymer degradation and synthesis by heterotrophic bacteria associated with marine snow micro-particles**  
(International University Bremen, Microbiology)  
For details see: <http://europa.eu.int/eracareers/jvs/10472083/>
- **Seasonal dynamics of microbial communities in coastal seas**  
(AWI, Wadden Sea Station Sylt; MPI, Microbial Habitat group)  
For details see: <http://europa.eu.int/eracareers/jvs/10472480/>
- **Patterns of microbial community structure and function at oxic/anoxic boundaries** (MPI, Microbial Habitat group)  
For details see: <http://europa.eu.int/eracareers/jvs/10472758/>