

PhD position in Biogeochemical Silver Nanoparticle Research

The Helmholtz Centre for Ocean Research Kiel (GEOMAR), Kiel, Germany is offering
a

PhD Position

Topic: Investigation into behaviour, fate and ecological effects of silver nanoparticles in marine waters

Starting on March 1st 2016

Job Description / Duties

The candidate will be part of a chemical oceanography team that investigates carbonate chemistry, trace element and nanoparticle behaviour in the oceans. The role of the oceans in the global carbon cycle, and the behaviour of trace elements and nanoparticles and their interactions with ocean biology, are the focus of our work. We combine developments of analytical techniques and novel sensors, with ocean observations.

The candidate for this position will investigate the behaviour, fate and ecological effects of silver nanoparticles in marine waters. State of the art analytical techniques are available to undertake experiments on the physico-chemical behaviour of silver nanoparticles in seawater. In addition, experiments on toxicology of silver nanoparticles to marine organisms will be undertaken. The candidate will perform laboratory experiments, with subsequent data analysis, interpretation and PhD thesis and scientific manuscript publication.

Qualification

A qualification comparable to a Master's degree or Diploma in chemistry, environmental chemistry, (chemical) oceanography or related field is required. Experience in analytical chemistry and / or marine biogeochemistry is desirable. We also expect good English language skills, and that the candidate is willing and able to participate in sea-going expeditions. The candidate is expected to enroll in the Integrated School of Ocean Science (ISOS) PhD program, <http://www.ozean-der-zukunft.de/isos/>.

This is a part-time position according to 66% of a full-time equivalent. The position cannot be split.

The position is available for a 3 year funding period. The salary will be according to class E13 TVöD of the German tariff for public employees.

The GEOMAR | Helmholtz Centre for Ocean Research is an equal opportunity employer and encourages female scientists and scientists with disabilities to apply.

Applications including a letter of motivation, CV and contact details of 3 referees should be sent to the following address or e-mail (alaessig@geomar.de) with a single pdf file, using the keyword "Achterberg":

Helmholtz-Zentrum für Ozeanforschung Kiel (GEOMAR)
Personalabteilung
Frau Lässig
Wischhofstraße 1 – 3
D-24148 Kiel
Germany

Please also email the application to eachterberg@geomar.de

Please mention the keyword on the envelope and on the application. A re-addressed envelope is greatly appreciated.

For further information please contact Prof. Dr. Eric Achterberg (eachterberg@geomar.de).