

Scientific Assistant (f/m) (3 years)

Institute of Environmental Physics (IUP), University of Bremen/Alfred-Wegener-Institut Helmholtz Zentrum für Polar und Meeresforschung (AWI),
Bremerhaven

Within the framework of a cooperation of the Institute of Environmental Physics (IUP), working group of Prof. J. P. Burrows and the Alfred-Wegener-Institut Helmholtz Zentrum für Polar und Meeresforschung (AWI) a research project funded by the German Science Foundation (DFG) shall be performed to investigate the “**Impact of Environment Changes on the Antarctic Phytoplankton**”. The PhD work will encompass the development and usage of a synergistic approach utilizing multi- and hyperspectral satellite data. The developed approach shall be adapted to new satellite sensors and specific observation conditions of the Southern Ocean. For this purpose calculations of a coupled radiative transfer model (SCIATRAN) shall be used. Additionally, validation shall be using in-situ measurements.

Requirements:

- M.Sc. degree or equivalent in physics, environmental physics or meteorology with a grade point average better than B (English grade) or 2.0 (German grade),
- very good programming skills in at least one high level programming language and experience with big data,
- good knowledge of the following fields are advantageous: physical and biological oceanography, radiative transfer modeling and marine optics,
- team skills in a multidisciplinary environment,
- good command of English in writing and speaking (level B2) and/or German.

Please address inquiries to Dr. M. Vountas (vountas@iup.physik.uni-bremen.de) or Prof. A. Bracher (astrid.bracher@awi.de).

The position is available under the condition of job release and is limited to a term of 3 years and funded by the German Science Foundation (DFG). Salary and benefits are commensurate with the federal German employee scale TV-L 13 (50%). Applications should include a CV, a list of publications, a statement describing research interests, the applicant's research and technical background as they relate to the position, and contact information for three referees.

More information on research and technology at AWI and IUP is available at <http://www.awi.de/en/go/phytooptics> and www.iup.uni-bremen.de.

As the University of Bremen intends to increase the proportion of female employees in science, women are particularly encouraged to apply.

In case of equal personal aptitudes and qualification priority will be given to disabled persons.

Deadline for the application is April 2015. Applications should be directed electronically to Dr. M. Vountas: vountas@iup.physik.uni-bremen.de or Prof. Astrid Bracher, astrid.bracher@awi.de or by post to:

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