

Job Advertisement

The position for a **research assistant (EG 13 TV-L salary level, ID-Number: 0819-08-wiss-ml)** in Department 08 - Physics, Mathematics and Computer Science, **Institute for Atmospheric Physics** - of the Johannes Gutenberg University, Mainz, is available to be filled at the earliest possible date. This is a position intended to provide further academic qualification for the candidate. For this reason the appointment is limited to three years with the possibility of an extension for three more years according to the Federal Law for temporal employment within science and education (WissZeitVG).

The successful applicant is required to conduct independent research on the chemical composition of aerosol and cloud particles and to provide teaching support to university professor Dr. Stephan Borrmann, (Head of the research group "Experimental Aerosol and Cloud Physics" at the university Institute for Atmospheric Physics). For the research active participation in international field measurement campaigns (partly on different research aircraft) is necessary. The key tool for the corresponding scientific studies is the aircraft-borne aerosol particle mass spectrometer ERICA (for ERC Instrument for the Chemical composition of Aerosols). This unique, state-of-the-art instrument was developed in Dr. Borrmann's research group supported by an ERC Advanced Research Grant. ERICA has already successfully operated aboard the high-altitude research aircraft M-55 "Geophysica" and on the NASA DC-8 aircraft delivering measurements in the upper troposphere/lower stratosphere at altitudes of up to 20 km. Due to the unique characteristics of ERICA the successful applicant has the opportunity for conducting independent and innovative scientific studies. As Prof. Borrmann also is a director at the Max Planck Institute for Chemistry (Particle Chemistry Department) close scientific and technological cooperation with the MPI is possible, in particular for in-situ field measurements adopting aerosol mass spectrometry.

Besides the research activities the successful applicant also should be involved in the teaching at the university Institute for Atmospheric Physics (e.g. instruction/guidance of students during their bachelor's, master's and doctoral thesis projects), as well as in the application for internal and external research grants.

Employment requirements are:

- a Ph.D. in physics, chemistry, meteorology/atmospheric sciences
- knowledge of computer programming for the control of highly complex scientific instruments (e.g. LABVIEW, C++, etc.) and/or programming skills of script languages such as MATLAB, IGOR, PYTHON, or others, for the evaluation and analysis of extensive data records.
- excellent command of the English language
- experience in the preparation of scientific texts as documented by a record of publications in peer-reviewed journals

The Johannes Gutenberg University in Mainz is committed to increasing the number of women active in the scientific field and therefore encourages the application of women scientists.

Priority is given to suitable candidates possessing severe disabilities.

Please direct your application containing all supporting information, the above mentioned **ID-Number** and documentation demonstrating employment prerequisites, by **28-02-2019**, to

Dr. Stephan Borrmann, University Professor
(Email: stephan.borrmann@mpic.de)
Department 08 - Physics, Mathematics and Computer Science,
Institute for Atmospheric Physics, Johannes Gutenberg-University
Johann-Joachim-Becher-Weg 21
55128 Mainz, Germany

Job offers and further information also on the Internet: www.verwaltung.uni-mainz.de