

The **Institute for Atmospheric and Environmental Sciences** at the University Frankfurt offers the position of a

**research associate (Akademischer Rates / Akademische Rätin auf Zeit)
(A 13 HBesG)**

starting on 01.01.2015. The employment is for an initial period of 3 years with the possibility of a 3 year extension.

The successful candidate will be involved in research and teaching. The teaching obligations include the organisation and supervision of practical courses and self-determined lectures with a total teaching obligation of 4 hours per week. The research activity should focus on the establishment of a long-term measurement series of halogenated hydrocarbons at the Taunus Observatory situated on the kleiner Feldberg near Frankfurt and on regular sample measurements from Mace Head Observatory on the west-coast of Ireland. The successful candidate will take care of quality control of the measurements, intercalibration with international accepted scales, identification of new compounds and the use of these measurements to identify ongoing emissions of halocarbons in Europe. We use gas chromatography (GC) coupled with different mass spectrometric (MS) methods (time-of-flight and quadrupole mass spectrometry). The successful candidate will improve and further automatize these analytical techniques. The possibility to conduct self-determined research and for further qualification (German "Habilitation") is given.

A degree in natural sciences (e.g. meteorology, physics, chemistry or environmental sciences) and a Ph.D. in one of these fields is necessary. Experience in the measurement of atmospheric trace gases using GC/MS is required as is a good knowledge of the English language in writing and speaking. For non-German speakers the willingness to learn German is expected. We also expect knowledge in the interpretation of atmospheric measurements and programming skills (C, idl, Labview).

Please send your application and C.V. to Prof. Andreas Engel, Institut für Atmosphäre und Umwelt, Altenhöferallee 1, D 60438 Frankfurt am Main, Germany, or per email to an.engel@iau.uni-frankfurt.de. Deadline for application is 30.11.2014. For further information you can also contact Prof. Engel by email or telephone (+49/69/79840259).

We cannot return application documents. The German version of the description of the position is legally binding. The University supports equal opportunities for women and men and strongly encourages the application of women. Applications of disabled people will be treated preferentially. The Goethe University has been certified as family friendly employer in summer 2005 and is devoted to a family friendly organisation of the University.