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Advertisement for a Postdoctoral Researcher

The "Environmental Modelling in the Climate System" group at the Institute for Atmospheric Physics of the **Johannes Gutenberg University in Mainz** (Germany) offers

1 Postdoctoral Position in Atmospheric Sciences, Physics or Chemistry
Payscale (TVöD Entgeltgruppe) 13 TV-L

The position is limited to 18 months starting as soon as possible. The payment and benefits will be according to the German TVöD payscale.

The candidate is expected to work on multi-scale modelling of multiphase chemical processes, such as gas-aerosol partitioning, cloud chemistry, and links between transport and chemistry in and around clouds. The modelling systems to be used are the global chemistry climate model EMAC and its regional nested version MECO(n), which are based on the ECHAM (global) and the COSMO (regional) models. The candidate is expected to contribute both to model development and data analysis and scientific interpretation. High performance computing architectures will be used to perform model simulations, such that profound knowledge in such working environments is required. Furthermore, experience in programming (FORTRAN90), data visualisation and data analysis are mandatory. Previous research on multiphase chemistry modelling is desired and knowledge of any of the modelling systems is appreciated.

The position and the research group are funded by the Carl-Zeiss-Foundation, supporting the emerging research group.

The Johannes Gutenberg University Mainz endeavors to increase to number of women employed in academic institutions and therefore openly invites applications from female researchers.
Disabled applicants with adequate qualification will be given preferential consideration.

Please send requests for further information and your applications including CV, list of publications, and a list of persons who are familiar with the applicant's work (preferably as single pdf-file) via email to Prof. Dr. Holger Tost, Institut für Physik der Atmosphäre, Johannes Gutenberg-Universität Mainz, 55099 Mainz, email: tosth@uni-mainz.de

Homepage: https://www.blogs.uni-mainz.de/fb08-ipa-en/env-model/