

Job advertisement

In the **FB 09 Faculty of Chemistry, Pharmaceutical Sciences, Geography and Geosciences – Institute for Nuclear Chemistry** – we invite outstanding candidates to apply for a

**PhD position in Ion Mobility Mass Spectrometry
(salary grade 13 TV-L)**

reference number: 18320-09-wiss-mk

- part-time (50%) -

starting the earliest date possible and initially limited until 31.10.2022.

The position is part of the DFG-funded project „Ion Mobilities for Heaviest Element Identification“, which aims at systematic ion-mobility measurements across the actinides. Besides elucidating the impact of electronic structure on the ion drift, the investigations may help to better understand fundamental ion-atom interactions and bear a great potential in the development of future technologies of element identification at miniscule sample amounts.

Tasks:

The successful candidate will help in the design and assembly of the ion mobility mass spectrometer and will develop the experiment control and data acquisition. After the inauguration of the setup, the candidate is supposed to perform first ion mobility measurements on selected actinide samples and publish the results in peer-reviewed journals.

Requirements:

In addition to the general employment requirements, applicants must meet the recruitment requirements stipulated in § 57 Hochschulgesetz Rheinland-Pfalz.

- Masters, Diploma or equivalent degree in Physics or Chemistry
- Familiar with mass spectrometry and gas chromatography
- Ideally background in electronics
- Ideally good knowledge of computer programming (such as C++)
- Good communication skills in English (both verbal and written)
- Experience with CAD packages (e.g. AutoCAD) will be considered as an added qualification.

We offer:

A challenging and varied position in a qualified team and comprehensive additional benefits, in particular, annual bonus payment, participation in a pension programme for the public sector through VBL, opportunity to acquire a job ticket and extensive personnel development offerings.

JGU puts great emphasis on the reconciliation of family and work life. Therefore, family-friendly conditions, such as flexible working arrangements, offer an ideal work environment.

The Johannes Gutenberg University of Mainz strives to increase the proportion of women science and research and therefore has a special interest in the application of women.

Disabled applicants will be given preference if equally qualified.

Please send your full application documents by email as a pdf-file, with information of your earliest possible starting date and the **reference number: 18320-09-wiss-mk** to the following address by **November 29, 2020**:

Dr. Mustapha Laatiaoui
mlaatiao@uni-mainz.de

For additional information on the open position, please contact Dr. Mustapha Laatiaoui, Tel: +496131/39-29752.

Information regarding data protection with respect to the processing of your application can be found here: <https://www.verwaltung.personal.uni-mainz.de/files/2020/09/Datenschutz-BewerberInnen.pdf>

Job offers and further information also on the Internet:
<https://www.verwaltung.personal.uni-mainz.de/stellenausschreibungen/>