



## **Job Advertisement**

In the **FB 09 Faculty of Chemistry, Pharmaceutical Sciences, Geography and Geosciences – Department of Chemistry TRIGA site** – of Johannes Gutenberg University Mainz (JGU) invites outstanding candidates to apply for a

**Postdoctoral researcher position in laser spectroscopy  
(Salary class 13 TV-L)  
Reference number: 10120-09-wiss-mk  
- 100% -**

for a two-year contract starting the earliest date possible.

The position is embedded in the project on laser spectroscopy of heavy and superheavy elements. The project aims at the development and implementation of novel approaches in laser spectroscopy in combination with gas-stopping techniques for radionuclides including experiments at the JGU and at the GSI Helmholtzzentrum in Darmstadt.

### **Tasks:**

The successful candidate is expected to

- develop laser spectroscopic methods for the study of exotic nuclides in the region of the heaviest elements
- participate in experiments for the investigation of actinides and transactinide by resonance-ionization laser spectroscopy
- set up, develop and optimize customized laser systems (dye- und solid state, pulsed and cw)
- contribute to the supervision of Bachelor-, Master- und Doctoral students
- support teaching in the faculty of Chemistry, Pharmaceutical Sciences, Geography and Geosciences

### **Requirements:**

In addition to the general employment requirements, applicants must meet the recruitment requirements stipulated in § 56 Hochschulgesetz of Rhineland-Palatinate. We expect

- a PhD or equivalent degree in experimental atomic physics, nuclear physics, or nuclear chemistry,
  - sound experience in the field of laser spectroscopy, ideally with radionuclides,
  - experience in the operation of laser systems (dye- und solid state, pulsed and cw)
  - and good communication skills in English (both verbal and written).
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- Knowledge in software development for experiment control and data analysis is desirable.

### **We offer you:**

A challenging and versatile task in a qualified team. We offer you comprehensive additional services, such as the payment of an annual special payment, participation in the additional pension scheme in the public sector via the VBL, the possibility of purchasing a job ticket and extensive personnel development offers.

The JGU attaches great importance to the compatibility of family and career. Family-friendly framework conditions, such as flexible working hours, offer optimal conditions for this.

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The JGU aims to increase the number of women in research and teaching and therefore encourages female scientists to apply.

Disabled candidates with appropriate qualifications will be given priority.

Please send your application including the usual documents (CV, copies of certificates, list of publications) by email as a single pdf-file, with information of your earliest possible starting date and the **reference number: 10120-09-wiss-mk** to the following address until **15 August 2020**:

**[block@uni-mainz.de](mailto:block@uni-mainz.de)**

Inquiries concerning the position can be sent to Uni.-Prof. Dr. Michael Block ([block@uni-mainz.de](mailto:block@uni-mainz.de)).

You will find the information on data protection in dealing with your application at: <https://www.verwaltung.personal.uni-mainz.de/files/2020/06/Datenschutz-BewerberInnen.pdf>

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