Job Advertisement

The Faculty 08 – Physics, Mathematics and Computer Science – is welcoming applications for

a Chemical Engineer or Physics Engineer (m/f)
for the Detector Laboratory of the Cluster of Excellence PRISMA+
(EG 13 TV-L)
identification number: 4719-08-ml

to start as soon as possible. The position is initially limited until 31.12.2025.

The Cluster of Excellence PRISMA+ (www.prisma.uni-mainz.de) investigates the fundamental building blocks of matter and their significance for the physics of the Universe. The participating research groups work in an international environment in the fields of astroparticle, particle and hadron physics as well as nuclear chemistry and precision physics with cold neutrons and ion traps. The task of the PRISMA Detector Laboratory is to support the experimental developments within the cluster by realizing detector hardware and electronics as well as by exploiting new technologies. The Detector Laboratory comprises as main areas: electronics, scintillation and photon detectors, and TPC and tracking detectors.

Your tasks:

Working closely with the other members of the team, you will
• develop novel scintillation and fluorescence materials for particle detectors
• establish and run as main responsible the new Laboratory for Scintillation and Fluorescence Detectors
• plan liquid-handling and purification systems for international particle physics experiments and coordinate the technical design with specialized companies
• instruct and advise Detector Laboratory users on chemicals and safety procedures

Your profile:

Candidates are expected to have a degree (Master or equivalent) in Chemical, Process, or Physics Engineering, or in Chemistry, or equivalent qualifications, and a very good knowledge of
• applied organic chemistry, in particular polymerization techniques
• purification techniques for liquids
• process engineering for organic solutions and polymer melts
Experience with luminophores and dyes, scintillation detectors, or CAD/FEM tools is advantageous.

We offer:

A self-dependent and multifaceted job with direct applications in cutting-edge research projects. In addition, we offer opportunities for continued education and professional development.
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 supplementary pension scheme in the public sector via the VBL, the possibility of purchasing a job ticket and extensive personnel development offers.

The Johannes Gutenberg-Universität Mainz attaches great importance to the compatibility of family and career. Family-friendly framework conditions, such as flexible working hours, offer optimal conditions for this.
The Johannes Gutenberg University of Mainz strives to increase the proportion of women in the technical field and therefore has a special interest in the application of women. Applications of senior candidates are welcome. Disabled applicants will be given preference if equally qualified.

For further information, please contact Dr. Quirin Weitzel (quirin.weitzel@uni-mainz.de).

Please address your written application with the usual documents no later than 26.04.2019 and stating the identification number: 4719-08-ml to

Abteilung Personal – PA 4 - der Johannes Gutenberg-Universität Mainz, 55099 Mainz

or by email to beruf@uni-mainz.de

Job advertisements and further information also at: www.verwaltung.uni-mainz.de