PhD Fellowships in Physics

The **new Collaborative Research Center (CRC) "Hadrons and Nuclei as Discovery Tools"** at JGU aims to push the frontiers of atomic, nuclear, and hadron physics. This interdisciplinary center seeks to uncover new physics phenomena and deepen our understanding of strong interaction processes. Our research focuses on low-energy high-intensity experiments Our research focuses on low-energy high-intensity experiments and advancing modern theoretical approaches to enhance precision in hadronic process understanding for next-gen experiments, and advance nuclear physics through high-precision studies. Join us at cutting-edge facilities like MESA, MAMI, BESIII, and PSI, and contribute to groundbreaking discoveries in a collaborative and dynamic environment.

Apply now to be part of this unique project in physics research. The selected candidates will get **a funding contract** as well as **individual travel and research funds.** They will be able to participate in all the CRC activities, including lecture courses, seminars, retreats, summer schools, workshops and social events.

Successful candidates are expected to **start the fellowship in October of 2024**. Interviews are foreseen to take place on the **week of September 2nd.**

Applicants must demonstrate outstanding performance in their studies and are expected to hold or obtain a Masters' degree in one of the following fields:

- Experimental Particle, Hadron and Nuclear Physics
- Theoretical Particle, Hadron and Nuclear Physics
- Atomic Physics, Precision Observables

Applicants are asked to name two projects for which they are applying, and whether they are interested in experiment or theory.
Information about the projects can be found here: https://prisma.uni-mainz.de/files/2024/06/CRC-1660-Summaries-forMPACall.pdf

Applications should include:
- Detailed curriculum vitae
- Cover letter including a short motivation statement
- Scans of university degrees including transcripts of records (lists of courses and grades) in German or English
- Candidates who have obtained their degrees from a university where English is not one of the teaching languages must prove their language proficiency (B2 level or higher) by a certificate not older than three years.

Please fill in the application form at https://www.prisma.uni-mainz.de/mainz-physics-academy/phd-fellowship-programme/ and send your complete application documents as a single pdf file to **mpa@uni-mainz.de** before **August 18th, 2024**.

Please arrange for two signed letters of recommendation by senior scientists, with institutional letterhead, to be emailed separately to the above address. Referees are also asked to submit the complete referee form from www.prisma.uni-mainz.de/mpa/phd-fellowship-programme.

All certificates may be submitted in English or German. Documents in any other language must be translated and legally certified by the German embassy, consulate, or a certified translator.

Further information can be obtained from the coordinators of the Mainz Physics Academy, Victoria Durant and Freya Luberg (mpa@uni-mainz.de).