



The Faculty of Mathematics and Natural Sciences at Heinrich Heine University Düsseldorf (HHU) is inviting applications for the position of a

W2-Professorship for Experimental Medical Physics

as of next possible date.

We are seeking a candidate with a strong background in experimental medical physics or biophysics with relevance to medicine, who has an internationally recognized track record in the investigation of biological matter, particularly its interaction with electromagnetic radiation or the development and application of novel radiation sources based on laser-plasma technology for medical physics.

The focus should be on fundamental research, and a willingness to collaborate with research groups from both the Faculty of Mathematics and Natural Sciences and the Faculty of Medicine is expected.

Outstanding publications in internationally recognized scientific journals, as well as a proven track record in securing competitive third-party funding, are required. Participation in teaching within the Medical Physics degree program is expected. Relevant teaching experience in experimental medical physics or experimental biophysics or experimental physics is required.

Active participation in at least one of the planned coordinated programs is expected. Through research in the following areas, the applicant would strengthen the planned initiatives:

- Development of laser-plasma radiation sources for medical physics;
- Influence of light fields on inter- and intracellular processes.

A participation in other coordinated programs of the Faculty of Mathematics and Natural Sciences is desirable.

Conditions for employment are, in addition to general administrative conditions in accordance with § 36 of the North Rhine-Westphalia University Act (Gesetz über die Hochschulen des Landes Nordrhein-Westfalen), an aptitude for teaching, exceptional competence in research, and additional scientific achievements.

Female candidates are encouraged to apply; they will be given preference in cases of equal aptitude, ability, and professional achievements unless there are exceptional reasons for choosing another applicant.

Heinrich Heine University upholds the principle of “excellence through diversity.” It has signed the “Diversity Charter” and successfully participated in the Stifterverband’s “Shaping Diversity” audit. It is certified as a family-friendly university and has received the European Union’s HR Excellence in Research Award.

Applications from suitably qualified severely disabled persons or disabled persons regarded as being of equal status according to Book IX of the German Social Legal Code (SGB – Soziales Gesetzbuch) are encouraged.

At Heinrich Heine University Düsseldorf, appointments may also be part-time, provided there are no overriding administrative reasons in individual cases for requiring full-time employment.

Heinrich Heine University Düsseldorf offers a Dual Career Support and is a member of the Rhineland Dual Career Network (Dual Career Netzwerk Rheinland). www.dualcareer-rheinland.de provides further information.

For questions about the professorship, please contact Prof. Stephan Schiller, PhD (E-Mail: step.schiller@hhu.de; phone +49-211-8112317). For further assistance, contact: berufungsportalnmf@hhu.de.

Please submit your application in digital form with the usual documents (letter of motivation, curriculum vitae, details of all academic publications, tabular list and proof of competitively acquired third-party funding (including scholarships), copies of academic certificates, teaching concept (max. two pages), research concept, course catalogue) in the HHU appointment portal at <https://berufungsportal.hhu.de> and complete the requested information as fully as possible.

Deadline for applications: 15.10.2025.

