

PhD student in Biochemistry/Molecular Biology at the Institute of Biochemistry and Molecular Biology of the RWTH Aachen University. Applications are possible until the position is filled.

Research at the Institute of Biochemistry and Molecular Biology addresses fundamental questions in cell biology. State-of-the-art biochemistry, molecular and cell biology methods are applied by independent research groups working on the posttranslational modification ADP-ribosylation, autophagy and gene regulation.

Project description



This doctoral student position is available in the laboratory headed by Dr. Roko Žaja and Dr. Karla Fejls-Žaja (www.feزالab.com). We are interested in ADP-ribosylation as protein posttranslational and RNA posttranscriptional modification. The project addresses the function of **RNA ADP-ribosylation during pathological conditions**. Depending on the interest of the candidate, this can be in different model systems, including cancer or immunity. The goal of the project will be to unravel how ADP-ribosylation is required to cope with specific stresses, and how we can possibly turn this into therapeutical applications. Methods used in our laboratory include basic biochemistry, cell and molecular biology methods but also more specialised techniques including superresolution microscopy and next-generation sequencing.

Qualification requirements. We are looking for candidates who are **curious, motivated and highly interested** in biomedical research. The successful candidate is prepared to develop the project relatively **independently** while communicating and presenting results regularly. Required are a master's degree in biology, biochemistry or related subject. Desirable are experience with cell biology and biochemistry, as documented by previous research experience, as well as knowledge of the English and German languages. Candidates who do not speak German are expected to enroll a language course.

Terms of employment. Payment will be according to the salary scale TV-L13 (65%). The student will be part of the Biomedical Graduate School (BMGS) Aachen and participate in regular journal clubs, lab meetings and departmental seminar series. The RWTH Aachen strives to be a workplace free from discrimination and with equal opportunities for all.

Information and application. For more information or to apply, please contact the Dr. Žaja directly at rzaja@ukaachen.de.

Please include the following information with your application:

- Cover letter in which you explain why you are interested in the field/project described in the advertisement and what makes you suitable for this project
- CV
- Contact details for 2–3 references
- Degree certificates and grades
- Degree projects/theses