

The Medical Clinic III for Oncology, Hematology and Rheumatology at the Faculty of Medicine of the Rheinische Friedrich Wilhelms-University Bonn invites applications for a

PhD position (f/m/d) in Cancer Immunology

We are seeking a highly motivated candidate to fill a Ph.D. student position in the research group of **Johannes Brägelmann** at the University Hospital Bonn (UKB), University of Bonn. The Brägelmann lab is committed to improving patient care by studying the evolution and adaptation processes of tumors. We combine functional genomics, experimental models, and computational biology to investigate how cancers and their immune-microenvironment respond to specific mutations or treatments, aiming to design personalized therapeutic strategies (Brägelmann et al., Nature Comm 2021; Brägelmann et al., Hepatology 2021; Müller, ... Brägelmann, Can Res 2023). In the specific project we will investigate how modifying cell death pathways following cancer treatment reshapes tumor-immune interactions in lung and squamous cell cancers. The overall aim is to identify novel combination therapies that improve anti-tumor immunity and treatment efficacy. Candidates will work with human samples, in vitro and in vivo models applying classical molecular biology and immunological methods but also cutting-edge technologies such as imaging flowcytometry and single-cell sequencing. Candidates with experience in immunology, molecular or cell biology are therefore specifically encouraged to apply. Experience with in vivo work or computational biology is a plus.

The position is to be filled for the duration of the doctorate until 14.09.2028.

What we offer:

- A dynamic and interdisciplinary team with a strong focus on translational cancer research, tumor-immunity and genetics
- Excellent core facilities to support your research across the campus
- Salary according to the German salary scale TV-L E13 (65%), initially limited to 3 years
- Possibility to use the day care center
- Supplementary employer & corporate benefits in the public sector (e.g. pension plan)
- A supervisor and research institution that foster innovation and collaboration and are committed to training and career development of the next generation of scientists
- A lot of creative freedom and flexible working time models
- Subsidized further education and training

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university. It aims to increase the proportion of women in areas where women are under-represented and to promote their careers in particular. It therefore urges women with relevant qualifications to apply. Applications will be handled in accordance with the Landesgleichstellungsgesetz (State Equality Act). Applications from suitable individuals with a certified serious disability and those of equal status are particularly welcome.

Requirements:

- Master's degree or equivalent in life sciences (biology, immunology, biotechnology etc.)
- Scientific background in immunology, molecular and cell biology; bioinformatics skills are welcome
- Practical experience in molecular and cell biology, Western blot and FACS
- Ability to work independently and in a team

- Good English skills in speaking and writing
- Enthusiastic and collaborative work attitude

Applications including cover letter, CV, certificates, and names and addresses of two references can be send by e-mail in **a single PDF file until 31th of August 2025** with the job offer reference number **ST-27071** to

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