

The University Hospital Bonn (UKB) is a maximum-care hospital with more than 1,306 planned beds. Our more than 8,300 employees perform tasks in research, teaching and patient care as well as in public health at the highest level. In 2021, the UKB has the fourth-highest case-mix index and ranked first among the university hospitals in NRW in the science ranking (LOMV).

The research group "**Cellular Virology**" at the Faculty of Medicine of the **Rheinische Friedrich Wilhelms-University Bonn** invites applications for a

PhD Student position in infection biology (m/f/d)

The position (65 %) is available for a period of 3 years due a project, with the possibility of extension.

We are seeking a highly motivated candidate to fill a Ph.D. student position in infection biology in the research group "Cellular Virology" under the direction of **Jun.- Prof. Dr. Stephanie Jung**.

The research focus of the "Cellular Virology" group localizes in interdisciplinary basic research. It covers the interface between virology, immunology, RNA biology and the new, highly innovative topic of extracellular vesicles. Using both classical and self-developed methods from all these fields, we explore diverse mechanisms, which activate and inhibit innate immune signaling. These innate defense processes are evolutionary conserved pathways, which restrict viral replication and spread. However, innate immunity itself must also be fine-tuned to cellular requirements to prevent damage to the organism by the antiviral mechanisms themselves. In the context of the advertised position, cellular regulatory mechanisms of innate immunity will be investigated.

For more information about our group and our research, please see the following links:

<https://www.ukbonn.de/iki/research/#ag-jung>

<https://www.immunosensation.de/news/news/details/article/young-research-group-around-cluster-member-stephanie-jung-shows-how-danger-signaling-is-amplified-in.html>

<https://www.immunosensation.de/news/news/details/article/designing-a-specific-tlr8-agonist.html>

The group part of the Institute of Cardiovascular Immunology and embedded in the Cluster of Excellence ImmunoSensation² in Bonn and offers an excellent environment for young researchers. The PhD position will be integrated into the local graduate program BIGS Immunosciences and Infection with outstanding training opportunities in multidisciplinary, interconnected scientific fields and supported by the additional mentoring and networking opportunities. PhD students will benefit from state-of-the-art technologies, high-end laboratories, a vibrant scientific network and an internationally competitive scientific training program.

Requirements:

- Master or diploma in life science (Biology, biomedicine, molecular medicine or comparable studies)
- Profound knowledge in basic molecular biological methods and cell culture
- Experience in working with RNA and / or infection biology methods would be ideal
- Ability to work independently and in a team
- Excellent management and communication skills
- Strong ability to draw logical conclusions
- High intrinsic motivation and enthusiasm as well as a deep interest in Biomedicine and infection biology
- English or German skills at C1 level or higher
- Experienced handling of MS Office applications

We offer:

- A salary according to the German salary scale TV-L E13
- Corporate customer ticket (subsidized public transport) is available
- Possibility to use the day care centre
- Supplementary benefits in the public sector (pension plan according to VBL)
- A diverse and demanding job with one of the largest employers in the region
- An innovative research area with an extremely collegial approach and many possibilities for novel discoveries and development of your own ideas
- A good methodical education and excellent supervision in a small friendly group
- Best possible support in your professional development
- Possibility for further education in university and non-university courses

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.

If you are interested in the position, please send your application as a single pdf-file including a cover letter, curriculum vitae, university-entrance certificate, university certificates and the contact details of two references. Applications should be send by email until 16.04.2023 under indication of reference number 183_2023 to:

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