

The **Kolanus** lab at the **Life & Medical Sciences Institute** (Molecular Immune- and Cell Biology), University of Bonn, has an opening for a

PhD student position (65%)

The highly qualified candidate will work on the molecular mechanisms of chemokine gradient sensing of immune cells.

Gradients of chemoattractants (e.g. chemokines, but also small molecules such as nucleotides) guide the recruitment of immune cells into organs, but it is incompletely understood how cells sense and respond to such stimuli. In recent years, we have engaged in setting up high-end microscopy- and microfluidics-based techniques to visualize and analyze migratory cell behavior quantitatively. In the course of this, we will also use genetic, optogenetic and biosensors to visualize actin dynamics and intracellular signaling events such as calcium mobilization and cAMP production.

This project is embedded in the Bonn Excellence Cluster ImmunoSensation2, funded by the DFG, offering a great environment for young researchers. PhD students will be admitted to the Bonn International Graduate School Immunosciences and Infection. In this structured PhD program, students gain experience with state-of-the-art technologies and become part of a vibrant scientific network and an internationally competitive scientific training program.

The ideal candidate will be highly motivated and team-oriented with a strong interest in cell biology, immunology and cell migration, will have a first-class academic degree in a life science-related discipline (Master's degree in biology or biochemistry or equivalent), a strong background in cell biology or biochemistry and enthusiasm for working in the highly-competitive field of molecular cell biology. Candidates should have strong communicative skills (fluent spoken and written English).

We offer:

- The salary will be according to the German salary scale TV-L 13
- A "Jobticket" (subsidized public transport) is available
- There is also possibility to use the day care center
- Supplementary benefits in the public sector (pension plan according to VBL)

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.

Applicants should send their application documents in a single pdf file (max. 5 MB) including motivation letter, CV, scanned academic degrees, list of publications and the contact details of two references. Successful candidates will begin on **August 1, 2019** or later.

Please send your application by E-mail until **June 19, 2019** to Prof. Dr. Waldemar Kolanus, kolanus.sekretariat@uni-bonn.de.

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