

Postdoc (m/f/d)

in the group of **Prof. Dr. Dagmar Wachten** at the **Institute of Innate Immunity**
University of Bonn, Medical Faculty,

<https://www.iiibonn.de>

The project aims to unravel the molecular mechanisms underlying primary cilia dysfunction in the kidney during the development of polycystic kidney disease. We combine state-of-the-art techniques combining optogenetics and imaging to investigate signaling in subcellular compartments and study cell-cell communication *in vitro*, *ex vivo*, and *in vivo*.

As part of the Bonn Excellence Cluster ImmunoSensation², funded by the DFG, we offer a great environment for young researchers. The Institute of Innate Immunity is located in the BMZ-II at the Venusberg-Campus, which was opened in 2020 and offers state-of-the-art laboratory space and research facilities.

The position is to be filled as soon as possible and is initially granted for a period of 2 years with the possibility of one year extension.

Requirements

- PhD or equivalent in biology, cell biology, immunology, biophysics, or biochemistry.
- Experience in the following topics: *ex vivo* organ cultures, microscopy (e.g., two-photon microscopy, spinning disk microscopy), cell biology, 3D cell culture (i.e., organoids), experience with mouse work and Felasa certificate or equivalent;
- fluent in English;
- programming skills (Java, R), experience in high-dimensional flow cytometry is a plus;

Your application should include (in one combined pdf file):

- Curriculum vitae, motivation letter, list of publications
- summary of your previous work experience (max. 1 page)
- list of references (full address including email and telephone number)

We offer:

- A salary according to the German salary scale TV-L E13
- A thriving academic environment and profession career development program
- "Jobticket" (subsidized public transport) is available
- Possibility to use the day care center

We are committed to being an equal opportunity employer in our recruitment efforts.

Please send your application as a combined PDF file to:

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