



The **University of Bonn** is an international research university offering a broad range of subjects. With a 200-year history, some 31,500 students, more than 6,000 employees and an outstanding reputation in Germany and abroad, the University of Bonn is one of the leading universities in Germany and has been awarded the status of a University of Excellence.

The group of Prof. Dr. Sven Burgdorf at the lab of Cellular Immunology of the **LIMES Institute** is looking to fill the following **position as soon as possible, full time and on a fixed-term contract for 3.5 years**:

Postdoc in cellular immunology and metabolism

The Life & Medical Sciences (LIMES) Institute is an interdisciplinary institute for basic biomedical research, with a scientific focus on the regulation of metabolism and the immune system in health and disease.

Research background:

The main research interest of the Burgdorf group lies in the molecular and cell biological regulation of immune cell functionality by metabolic excess. In the project relevant for this position, we are specifically interested in the role of the soluble mannose receptor (MR) as driver of impaired whole-body metabolism, metaflammation and obesity. The working group is embedded in the DFG-funded cluster of excellence "ImmunoSensation2". The position is available within the collaborative research center (CRC) 1454 "Metaflammation and Cellular Programming" funded by the Deutsche Forschungsgemeinschaft (DFG). For further information please refer to <https://www.limes-institut-bonn.de/en/research/research-departments/unit-2/burgdorf-lab/burgdorf-lab-home/> and <https://www.sfb1454-metaflammation.de/>

Your tasks:

- To investigate the role of the soluble MR in macrophage activation and the onset of inflammation and obesity
- To analyze a direct influence of the MR on lipid metabolism in adipose tissue
- To monitor the effect of soluble MR in the brain and its influence on stress responsiveness
- To test therapeutic approaches to dampen MR-induced inflammation

Your profile:

- Applicants should hold a PhD or MD/PhD degree in immunology, biochemistry, cell biology, molecular biology or similar topics
- Research background in cell biology, molecular biology, immunobiology and animal experimentation
- Methodological experience in flow cytometry, cell signaling and animal handling
- Good communication skills and fluency in English are essential
- We expect a highly motivated and independently working candidate with a good publication track record and willingness to work in an international team
- Interest to participate in teaching and supervision of undergraduate and graduate students

We offer:

- A varied, challenging job with one of the largest employers in the region,
- An international, stimulating, well-equipped working environment with an open and constructive atmosphere and the necessary infrastructure for high-quality research,
- A professional career development program
- participation in a university-wide pension system (VBL),
- access to the extensive university sports program,
- easy access to the public transport system due to the central location in Bonn as well as the possibility to use inexpensive parking facilities,
- Remuneration in accordance with TV-L pay grade 13.

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university. The University of Bonn seeks to increase female representation in staffing areas where women are underrepresented and provide special career support. Accordingly, the University of Bonn expressly encourages qualified women to apply. Applications will be handled in accordance with the NRW State Gender Equality Act. Applications from qualified candidates with a certified severe disability or from those of equal status are especially welcome.

If you are interested in this position, please send your **complete** application by email (as 1 combined PDF file including cover letter, CV, list of references (full address, incl. email and phone number), and list of publications to burgdorf@uni-bonn.de by **March 31,2025, quoting reference 33.2025.13**. Please do not hesitate to contact Prof. Dr. Sven Burgdorf by email burgdorf@uni-bonn.de if you need any more information.