

## PhD position in Neuroinflammation/Neurodevelopment at the LIMES Institute (University of Bonn)

<https://www.limes-institut-bonn.de/en/research/research-departments/unit-1/mass-lab>

**The closing date for applications is 15 February 2020**

The Mass lab is looking for a PhD candidate with a strong neuroscience, neurodevelopment and/or immunology background to study the role of maternal obesity in the development of neurological disorders. The position is for 3 years with a possible extension. The employment is planned to start on 1 April or upon agreement.

The goal of the project is to characterize the developmental programming events of microglia driven by maternal metaflammation and whether this can lead to neurodevelopmental disorders. As model systems, we use mice and brain organoids. Further methods include histology, electrophysiology, behavioural tests, single-cell RNA-sequencing, and flow cytometry.

### About us

Our lab is located in the LIMES Institute, which is highly interdisciplinary, addresses basic research questions in developmental biology, immunology, genetics, and biochemistry and thus provides all the basic equipment required for the project. For more specific methodology we are closely collaborating with groups at the DZNE, Life&Brain and the Medical Faculty.

### Qualifications

- The candidate is required to hold an M.Sc. degree in neuroscience/developmental biology/immunology or similar topics
- We are looking for candidates with hands-on experience or an interest in expanding their knowledge in molecular biology, high-dimensional flow cytometry, confocal microscopy, and bioinformatic analyses (particularly scRNA-seq)
- Experience with mice, iPSC-derived organoids, and background in R/Python is a plus

### We offer

- A thriving academic environment
- A professional career development program
- Participation in the university-wide pension system (VBL)
- Access to an extensive university sports program
- A salary based on the TV-L scale (E13, 65%)

The university is committed to diversity and equal opportunity. It is certified as a family-friendly university. Applications from suitable candidates with a certified disability or equivalent status are particularly welcome.

For further information, please contact Professor Elvira Mass by email:

[elvira.mass@uni-bonn.de](mailto:elvira.mass@uni-bonn.de)

Please send your complete application as 1 combined PDF file including cover letter, CV, list of references (full address, incl. email and phone number), and list of publications to [elvira.mass@uni-bonn.de](mailto:elvira.mass@uni-bonn.de)