



## Job Advertisement

Job-ID  
22/16  
Application by  
19.06.2022

The **Leibniz Institute on Aging - Fritz Lipmann Institute (FLI)** in Jena is a federal and state government-funded research institute and member of the Leibniz Association (Leibniz-Gemeinschaft). FLI's internationally visible and highly competitive research is focused on understanding the mechanisms of aging and associated age-related diseases. Scientists from over 40 countries are currently investigating the molecular mechanisms of aging and the occurrence of age-related diseases. Our aim is to create the basis for new approaches in medicine as a way to improve the health of the elderly ([www.leibniz-fli.de](http://www.leibniz-fli.de)).

The new research group of **Dr. Katarzyna Winek** to be established in July 2022 is looking for a

## Postdoc (m/f/d)

**Research focus of the Lab:** The Winek lab will investigate the role of the immune system, small non-coding RNAs, and the gut microbiota in stroke and aging. We will use in-vivo mouse and cell culture models, RNA sequencing, FACS, standard molecular biology techniques and bioinformatic approaches with the ultimate goal of identifying new therapeutic targets in ischemic stroke. Furthermore, to increase the translational value of our studies, we plan close collaboration with clinical researchers.

### Tasks and Challenges:

The postdoctoral project will focus on the profiling of the microbiome and immune changes after stroke using NGS, immunological techniques and bioinformatic methods. As the main research question, we will explore the role of small RNAs in regulation of the immune response after stroke.

The candidate will be involved in shaping the research group and building up the lab. The Postdoc will work together with the Technician, be involved in planning of in-vivo experiments and is expected to support Master and PhD students, participate in grant application writing and preparation of manuscripts.

### Requirements:

- PhD in Biology, Biomedicine, Life Science or relevant discipline
- Previous experience in immunological techniques (FACS, MACS, preparation of cell suspensions from organs) and in-vivo studies
- Experience in bioinformatics is of great advantage, ideally in the field of microbiome studies
- Additional experience in analysis of small RNA sequencing data/microbiological techniques is a plus
- FELASA-equivalent certification and experience in planning of animal experiments is a plus
- Excellent knowledge of English

### We offer:

- A motivated team that is building a new international research group - you can help create it! The institute is embedded within the multidisciplinary Jena Beutenberg Campus, an interdisciplinary base for innovative research.
- A position integrated in the FLI PostDoc Network. The Network promotes interdisciplinary collaborations involving clinician scientists, basic scientists and bioinformaticians and supports career development and postdoctoral training courses.
- The contract conditions and the salary will be according to the collective labour agreement for public service employees of the federal states of Germany (TV-L E13) for 2 years initially. Starting date September / October 2022.
- Flexible working time, a family friendly working environment including support for child care solutions and dual career.

### Application:

Please apply online through the FLI application portal by **19.06.2022** and provide a cover letter, your CV, your degrees and the names and contacts of 3 referees.

