Leibniz-Institut
für Alternsforschung –
Fritz-Lipmann-Institut e.V.

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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 to improve the health of the elderly (www.leibniz-fli.de).

The research group "Biology of Aging" led by Prof. Alessandro Cellerino at FLI is currently looking for a motivated and talented **Student assistant (m/f/x) in Bioinfomatics** to systematically gather, clean, and curate gene/protein expression and DNA methylation data from a range of online databases and studies focused on aging and age-related interventions. The aim is to support building a high-quality, accessible resource for the scientific community, enhancing our understanding of aging mechanisms and accelerating the development of interventions for healthier aging. The datasets will be used for an in-house discovery platform for identify novel geroprotecting compounds and validate intervention studies.

Student assistant (m/f/x)

Bioinformatics

Tasks:

- Identify, search and catalog age-related databases focused on aging interventions in mammals, especially humans with a focus on omics databases in the field of epigenetics and transcriptomics
- Collect and standardize data by cleaning, formatting for further analysis
- Systematic categorization of data sets for comparative analyses and for integration into other studies
- Create detailed documentation on data sourcing, processing and categorization, including guidelines and metadata

We are looking for:

- Completed Bachelor's degree in Bioinformatics, Molecular Biology, or a related field
- Familiarity with omics databases (e.g. NCBI)
- Proven experience in bioinformatics/data processing
- Strong interest in being part of a research-focused team
- Very good communication skills in English, both written and verbal

Working time / duration:

- approx 32 to 38 hours / month - can flexibly be divided
- for 5 months starting January, 2025

Application:

Apply online via our application portal by 20.12.2024.