



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) to support the scientists on a project on optimizing and deploying a deep learning-based aging clock.

Student assistant (m/f/x)

Tasks:

- Hyperparameter optimization of the existing deep learning model
- Refactor existing code to improve efficiency and maintainability
- Create tutorials and documentation for the end users
- Perform unit testing and develop Application Programming Interface (API) using Flask, Django or Fast API
- Deploy applications on the server
- **Working time/duration:**
 - approx 35 to 38 hours / month - can be flexibly arranged
 - project task for 5 months starting January, 2025

We are looking for:

Students (m/w/x) with completed BSc study, currently in a Master's program in computer science, mathematics, physics, software engineering or related fields

- with good coding and debugging skills in Python
- who are familiar with machine/deep learning libraries and frameworks, for example, scikit-learn, TensorFlow
- with experience in using GitHub/Gitlab for version control
- who are familiar with software development best practices
- and very good communication skills in English

Application:

Apply online via our application portal by 30.11.2024.