The Leibniz Institute on Aging - Fritz Lipmann Institute e.V. (FLI) is a research institute, which has the objective of understanding the molecular mechanisms of aging. Thereby we would like to contribute to healthy aging in humans. Various animal models (e.g., mice and fish) help us to generate relevant knowledge on the causes and the mechanisms of age-associated diseases and to investigate new therapeutic approaches. Scientists from many different nations conduct research at FLI.

The membran trafficking group (Kaether Research Group) of the Leibniz Institute on Aging – Fritz-Lipmann-Institute e.V. in Jena offers a

Master’s thesis
Biochemistry/Cell Biology/Neurobiology

The FLI provides an international and dynamic research environment with highly interacting groups. Our group is working on intracellular transport of membrane proteins. The thesis project will be on either

a) molecular mechanisms of axonopathy-causing mutations in ER-shaping proteins or
b) molecular mechanisms of ER-export.

We are looking for a motivated student who likes to work on a cell biological project using a variety of different methods including cloning and expression of fusion proteins, immunofluorescence microscopy including super resolution microscopy, biochemistry (Western Blot, immunoprecipitation) and more. Experience in cell culture and microscopy is highly desirable.

The project can be divided into specialization module and thesis project module. Candidates are encouraged to send their application including CV, a short description of research experience and interests, and the contact details of one reference as soon as possible per e-mail to:
christoph.kaether@leibniz-fli.de

Further information can be found at: http://www.leibniz-fli.de/research/research-groups/kaether/
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