

Scientific Assistant (B.A.) and Master Thesis

At the Albrecht-Kossel-Institute of the University Medicine Rostock we award a Master thesis on the topic of

Genotype/phenotype correlation analysis in Wilson's disease (WD). WD is an autosomal recessive metabolic disorder, in which a genetic defect on chromosome 13 leads to a reduced outflow and thus to an accumulation of copper in cells and organ systems, especially the liver. The central nervous system is also affected in numerous patients. The disease phenotype is heterogeneous. Mild late-onset variants are contrasted with early onset, severe disease progressions. The aim of the project is to investigate molecular biology of the functional disorder of different ATP7B gene mutations identified in patients with WD. Molecular characterization will lead to a better understanding of the genotype/phenotype correlation of the disease in the context of well-documented WD cases, differentiating between benign, medium and severe phenotypes.

In preparation for the project, the candidate will learn the theoretical background knowledge and experimental techniques required for the Master's thesis in the period from 01.01.2018 to 31.03.2018 as a scientific assistant. The regular working time is 78 hours per month. The remuneration is based on the usual rules for scientific assistants (B.A.).

Area of responsibility:

- Research and development in an EU-funded third-party project
- Molecular biological methods
- cell culture
- literature research

You should have the following qualifications:

- An above-average Bachelor's degree in biology, medical biotechnology, biochemistry or a comparable discipline
- Interest in scientific work
- High commitment and team spirit
- Experience with statistics software is an advantage
- Very good knowledge of English

About us: The Albrecht-Kossel-Institute for Neuroregeneration (AKos) is a research institute of the Hanseatic city of Rostock in the interface between basic research and translational approaches. In addition, the AKos is a worldwide recognized diagnosis and treatment centre for rare diseases. It was founded from the neurobiological laboratory of the Clinic for Neurology at the University of Rostock and is under the patronage of the University Hospital Rostock. Our institute researches rare congenital metabolic diseases such as Wilson's disease, Fabry's disease, Niemann-Pick type C disease and Gaucher's disease.

We expressly point out to refrain from sending application photos. We look forward to receiving your application by 30.11.2017 in a PDF file to jan.lukas@med.uni-rostock.de.