



Ruprecht-Karls-Universität Heidelberg

PhD in Neurobiology and Alzheimer Research

A Ph.D. position in Neurobiology is available (starting date as soon as possible) in the laboratory of Prof. Ulrike Müller (IPMB, Department of Functional Genomics) at the University of Heidelberg.

We are interested in the physiological and pathological functions of the amyloid precursor protein APP gene family (Müller et al., Nature Rev Neuroscience 2017). APP is not only central to the pathogenesis of Alzheimer's disease, but is also involved in synaptogenesis and synaptic plasticity. The successful applicant will study the synaptic roles of the APP gene family and their processing products. Techniques employed include state of the art molecular biology, biochemistry, imaging and work with genetically modified mouse mutants (gain and loss of function studies) and viral vectors.

Requirements: The ideal candidate is highly motivated, open minded and holds a MSc in a relevant discipline of life science (e.g. Molecular Biology, Biochemistry, Cell Biology, Neuroscience, etc). We expect a solid background in neurobiology, molecular biology and cell biology. Experience with tissue culture and genetically modified mouse models would be a plus. We expect the successful candidate to participate in animal experimentation. The project is funded by the Deutsche Forschungsgemeinschaft. The PhD student will participate in the structured PhD program of the ICN (Interdisciplinary Center of Neuroscience, Heidelberg) which offers interdisciplinary training for participating PhD students.

Please send your application (including full CV, letter of motivation, copies of exam results, contact details of two scientist for references) **until May 6th:**

Prof. Ulrike Müller: u.mueller@urz.uni-heidelberg.de

For Further information see:

<http://www.uni-heidelberg.de/institute/fak14/ipmb/>

<http://www.izn.uni-heidelberg.de>