

Postdoctoral Position in Neuroscience

The research group “Developmental Neurobiology and Regeneration” at the Department of Biomedicine, University Basel is seeking a postdoctoral scientist with a background in neuroscience and molecular and cell biology.

The position is open starting from October 1st 2023 or upon agreement. Salaries are according to the SNF scale and depend on experience.

Your position

We are a small research group in the field of cerebellar neurobiology with a special focus on the role of Protein Kinase Cgamma (PKC γ) for Purkinje cell dendritic development and the pathogenesis of spinocerebellar ataxias (SCAs). In the moment the focus of our research is on identifying and characterizing molecules which are part of the PKC γ signaling pathway in Purkinje cells and which are involved in the regulation of Purkinje cell dendritic development and the pathogenesis of SCA.

Recent publications of our group include:

Viewpoint: spinocerebellar ataxias as diseases of Purkinje cell dysfunction rather than Purkinje cell loss. Kapfhammer JP, Shimobayashi E., *Front. Mol. Neurosci*, 2023

Transcriptome Profile of a New Mouse Model of Spinocerebellar Ataxia Type 14 Implies Changes in Cerebellar Development. Mezey SE, Kapfhammer JP, Shimobayashi E., *Genes*, 2022

Serine/threonine kinase 17b (STK17B) signalling regulates Purkinje cell dendritic development and is altered in multiple spinocerebellar ataxias. Wu QW, Kapfhammer JP., *Eur J Neurosci.*, 2021

A New Mouse Model Related to SCA14 Carrying a Pseudosubstrate Domain Mutation in PKC γ Shows Perturbed Purkinje Cell Maturation and Ataxic Motor Behavior. Shimobayashi E, Kapfhammer JP., *J Neurosci.*, 2021

PKC γ -Mediated Phosphorylation of CRMP2 Regulates Dendritic Outgrowth in Cerebellar Purkinje Cells. Winkler SC, Shimobayashi E, Kapfhammer JP., *Mol Neurobiol.*, 2020

As a postdoctoral researcher, you will be an important member of our group. You will be pursuing ongoing and new research projects, support and supervise graduate students and other lab members and be involved in shaping the research profile of the group.

The position is available for 3 years.

Your profile

- Ph.D. or M.D./Ph.D. in the field of neuroscience or cell biology
- Scientific expertise in Neuroscience or signal transduction
- Ability to work independently and as a team player
- Experience and hands-on skills in cell biology, molecular biology, biochemistry and tissue culture

We offer you

- A very active scientific environment in neuroscience
- State-of-the art laboratory facilities
- Competitive salary according to the DBM guidelines

Application / Contact

Please send your application as an email attachment to:

Prof. Dr. Josef Kapfhammer

Developmental Neurobiology and Regeneration

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Submission deadline: 31st August 2023