

Postdoctoral position in metabolic regulation by ion channels

A postdoctoral position is available in the laboratory of Stephan Kellenberger at the Department of biomedical Sciences (DSB) of the University of Lausanne. The activities of our laboratory aim at understanding molecular and cellular mechanisms of the function of the neuronal "acid-sensing ion channels"(ASICs). We have previously shown that deletion of ASIC1a results in changed voluntary activity and body temperature (<https://pubmed.ncbi.nlm.nih.gov/37591947/>). We recently started a follow-up project investigating the mechanisms underlying this regulation. This follow-up study shows interesting results and will be continued by the newly hired postdoctoral collaborator. She/he will work with wild type and ASIC1a^{-/-} mice and analyze signaling and expression of genes and proteins and carry out behavioral studies. Since the position is limited to 1 year, the person hired must be operational from the beginning of this period and must therefore already possess the authorization to conduct animal experiments in Switzerland.

Your profile

We are looking for a talented and motivated postdoctoral researcher. Applicants need to have a PhD in life sciences or a related domain. They must have relevant experience with mouse studies, brain tissue dissection, expression analysis, molecular biology and biochemistry. They must have passed the Module 1 class (theoretical and practical) on animal experimentation in Switzerland. They should have a strong background in metabolism and the analysis of signaling pathways.

What we offer

An interesting position that is however limited to 1 year. We are a small, dynamic and motivated team. The DSB, with 18 research teams, offers a stimulating and competitive research environment in modern biology with multidisciplinary expertise (www.unil.ch/dsb). Lausanne, with its university and the EPFL is a center of life science research.

Starting date: Beginning of June, July or August 2025

Applications are invited in the form of a motivation letter, a curriculum vitae, a brief description of research experience and doctoral thesis, a copy of the Module 1 certificate and the names and addresses of three academic references, before Mai 10, 2025.

Contact address for inquiries and for submission of applications: Prof. Stephan Kellenberger, Département de Sciences biomédicales, Université de Lausanne, Rue du Bugnon 27, CH-1011 Lausanne, tel. +4121 692 5422, Stephan.Kellenberger@unil.ch, <https://wp.unil.ch/kellenberger-lab/>

For further information, please consult the following publication:

Peng et al., Commun Biol 6, 857. doi: 10.1038/s42003-023-05221-2