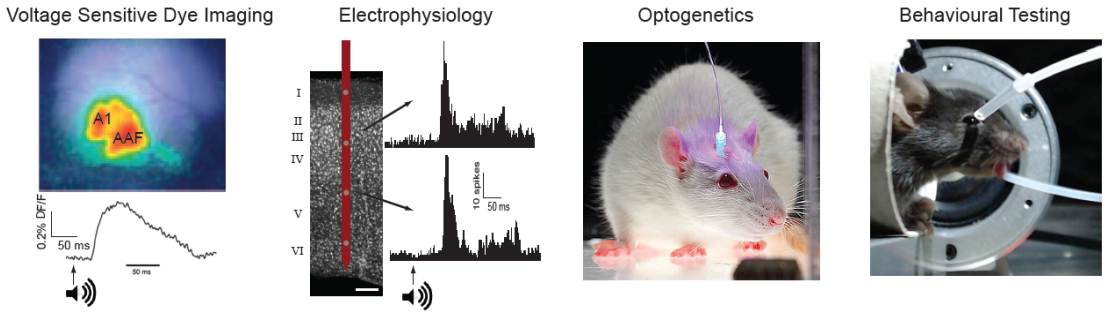
POSTDOCTORAL POSITION IN SYSTEM NEUROSCIENCE

The Brain & Sound Lab is seeking an ambitious, smart and self-driven scientist for a postdoctoral research position. Start date: as soon as possible. Location: Basel University, Switzerland.

JOB DESCRIPTION

The project combines experiments and data analysis of in vivo extracellular recordings, functional imaging, behavioural assays, optogenetics and viral neural tracing to describe the role of functional neuronal circuits in the auditory cortex of awake mice.

The successful candidate will run experiments, analyse the data, and prepare the results for publication.



YOU ARE OUR NEW POSTDOC IF YOU:

- have completed a PhD with success and published your results in renowned journals
- have a background in neuroscience, physics, computer science or engineering
- run experiments methodically and are adept at troubleshooting and problem solving
- have a spirit of intellectual adventure as well as drive and eagerness
- can be creative and focused on a project at the same time
- know Matlab and have programmed data analysis code with success
- have experience in electrophysiological recording, with knowledge of functional imaging techniques being a plus
- ambition to pursue a career in science and to eventually setup your own laboratory
- enjoy working in a team and like to share ideas with colleagues.

THE BENEFITS

- work with state-of-the-art technologies
- be part of a young and dynamic group
- become a member of the exciting neuroscience community of Basel
- enjoy an attractive location with high life quality standards

ABOUT THE LAB

www.brainsoundlab.com

The aim of our lab is to understand the role of specific neural circuits in making sense of sounds. We combine optogenetics, in vivo electrophysiology, voltage-sensitive dye imaging and behavioural assays to explore the functions of neuronal circuits in the mouse auditory cortex.

Ongoing work in our group focuses on the following questions:

- How do auditory cortical responses develop and how can they be modified?
- What neural circuits are involved in specific sound features, and how can they influence behaviour?
- What influences does the environment have on these neuronal circuits?

For more information about our lab, please check www.brainsoundlab.com

To apply, please send a letter of motivation, a statement of research interests and your CV to Prof. Tania Rinaldi Barkat, tania.barkat@unibas.ch, +41 61 207 16 38.