

Postdoc Position in Neuroscience (Two-Photon Imaging) at the University of Freiburg, Germany

A postdoc position is available for a Ph.D. with expertise in **two-photon imaging and ideally patch-clamp recordings** to participate in setting up and applying a state-of-the-art combined 2-photon microscope and patch-clamp recording setup for neuroscientific questions. Candidates with prior experience in studying neuronal activities in vivo, in brain slices or cell culture are encouraged to apply.

Successful candidates will join the Optophysiology Group headed by Prof. Dr. Ilka Diester at the University of Freiburg. We are a young and international research group. The group's core research area is **motor control**. We apply modern techniques focusing on **optogenetics and multielectrode array recordings in trained rodents**. **Your project would first be dedicated to the technical aspects of setting up a new two-photon microscope and combine it with patch-clamp recordings. Afterwards, a neuroscientific question focused on motor control will be addressed.** The position comes with a TVL13 salary.

The University of Freiburg has a tradition reaching back to the year 1457. It is among Germany's strongest research universities and houses two excellence clusters. The lab is part of the BrainLinks-BrainTools Excellence Cluster which focuses on medical technology that directly interacts with the nervous system. The Natural Sciences Campus which is the home of the lab, is within walking distance of the old city center. Freiburg is Germany's sunniest city and located in the Black Forest at the trijunction between France (Alsace), Switzerland, and Germany. It is well connected by train and plane (Basel airport). It is a multicultural city with a high percentage of students and offers many cultural and recreational activities like hiking, climbing, and skiing.

Ideal candidates have a PhD in **Neuroscience**. They must have a **strong background in two-photon imaging**. Above all, they must have a strong motivation, a sense for responsibility, interest for detailed analysis, and a distinct desire to learn. Additional experience in patch-clamp recordings, optogenetics, and programming in Matlab is advantageous. Fluency in English is required (both written and spoken).

If you are interested, please send your complete application at your earliest convenience by e-mail (see detailed instructions below) to ilka.diester@biologie.uni-freiburg.de.

The placement will be open until a suitable candidate is found but preferential treatment will be given to applications received before 31st of May 2016 with a possible starting date before October 2016.

Detailed instructions for applicants

Your application must comprise:

Motivation letter

Your 1-2 page essay should contain the following details (not necessarily in this order):

- What is your background? In which fields have you worked before and how do you think this can be useful for the present job?
- What attracts you to the field of neuroscience?
- Which problem(s) in neuroscience are you most interested in?
- What are your plans for your future career?

You may add other details to your motivation letter if you find them important.

Curriculum Vitae

Send a classical tabular CV with your contact details, your date-of-birth, a current photograph, and all stages of education and employment. Begin and end dates should be at least month-accurate.

List of skills, awards, publications

List your skills, especially proficiency in languages (including the level of proficiency), that you think might be useful for the job. Also list awards you might have got and all peer-reviewed papers you have published. You may also mention hobbies if you like.

Contact details of at least two academic references

One of the references should be your Ph.D. advisor. Please contact the references prior to listing their names so that they are not surprised if they get contacted.

Your application can be in English or German. Please choose the language you are more familiar with.

Please send your application by e-mail only to ilka.diester@biologie.uni-freiburg.de!

All documents must be in PDF format and must **not** be compressed. Combine all documents to a single PDF file or at least name the separate files appropriately.

If we find your application interesting, we will let you know within two weeks and potentially ask for more documents.