

The **Ito Group** from the **Institute of Zoology at the Faculty of Mathematics and Natural Sciences at the University of Cologne** invites applications for the following position

Senior Scientist Position (m/f) Architecture and function of the fly *Drosophila* brain

Starting time will be Autumn/Winter 2017/2018 (exact date can be negotiated) with a weekly working time of 39,83 hours (100% position). The initial contract is limited for 3 years. In case of success it can be extended up to lifetime. The salary based on the German E14 TV-L scale if terms and conditions under collective bargaining law fulfilled.

Tasks:

The successful candidate is expected to organize extensive research projects by coordinating students, technicians and young postdocs to understand the architecture and function of the brain using the fruit fly *Drosophila melanogaster* as a model. The research includes systematic visualization and identification of novel neuronal circuits, imaging-based functional analyses, behavioural analyses with selective manipulation of specific neurons (functional blocking, activating or altering), etc. Particular emphasis will be placed on identifying and analysing neurons in the brain regions that have escaped from detailed investigation in the past. As a senior scientist the candidate will also play roles in organising lab activities, teaching students, training young postdocs, coordinating workshops, etc. Organisation of semi-independent research projects is also conceivable.

Your Profile:

- Ph.D. in biology and related field and a strong interest in neuroscience.
- Knowledge and experiences in the neuroscientific research using *Drosophila* or other insects
- Knowledge and experiences in bioimage analysis, database, or programming will be preferred.
- Candidates should be creative and capable of developing competitive research projects while working semi-independently under the supervision of a team leader.
- Teaching experience in biology and experience in writing research proposals or third-party funding will be appreciated.

The University of Cologne is an equal opportunities employer. Applications of women are especially encouraged. Handicapped candidates will be given priority in case of equal professional qualification.

Please send your CV with publication list, a statement of research interests and explanation of your expertise, and names and contact addresses of two possible references electronically as one PDF-file to Prof. Dr. Kei Ito: bewerbung.ito.lab@uni-koeln.de.

Application **deadline is 30 April 2017** but might be extended until a suitable candidate will be found. Please address enquiries to the same email address as above.

For further information see the laboratory web site: <http://www.neuro.uni-koeln.de/ito.html>