



PhD student position on the evolution of neural circuits for insect navigation in Berlin, Germany

A PhD student (65% E13) position is available in the laboratory of Prof. Mathias Wernet at the division of Neurobiology of the Free University of Berlin, Germany, to contribute to our ongoing research on the development and function of neural circuits underlying insect navigation behaviors. This research program will be conducted in collaboration with Katja Nowick (Professor of Human Biology) within the frame of the DFG-funded collaborative research unit SPP 2205 (Schwerpunktprogramm "Evolutionary Optimization of Neural Processing"). The position is available immediately but should ideally be filled by October 1st 2020.

Deadline for application is July 20th, 2020.

Using a combination of molecular genetic tools, *Drosophila* transgenesis, immuno histochemistry, and transcriptomics we study evolutionary conservation of those neural circuits underlying insect navigation behaviors (see Sancer et al, *Current Biology* 2019; Sancer et al., *Journal of Comparative Physiology A*, 2020, or the Wernet Lab website (<http://www.flygen.org/wernet>).

The Free University Berlin is located in the center of the German capital, an international and lively city, and offers an excellent scientific environment for the conducted research. In addition to the SPP 2205 consortium, the project will be performed in close cooperation with other research groups at the Free University of Berlin (AG Hiesinger, AG Sigrist, AG Menzel, etc).

Candidates should hold a Master's degree (M.Sc.), have a strong interest in molecular and cellular aspects of developmental biology, as well as evolution ('Evo-Devo'), and Neurobiology. Previous experience with the *Drosophila* is preferred, but not essential. Proficiency in English is absolutely required.

To apply (deadline: July 20th, 2020), please e-mail your CV and names of two referees to:

Mathias F. Wernet

Mathias.wernet@fu-berlin.de

Freie Universität Berlin

Fachbereich Biologie, Chemie & Pharmazie

Institut für Biologie - Neurobiologie

Königin-Luise Strasse 1-3, 14195 Berlin.

