http://www.neurogenetics.biozentrum.uni-wuerzburg.de/startseite/

Julius-Maximilians-
UNIVERSITÄT
WÜRZBURG

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BIOZENTRUM
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We are looking for a PhD student (f/m/d) for a DFG funded position (approx.. 36 Months, German salary scale TV-L 65%) to work with us to elucidate the neurogenetic and molecular basis of seasonal adaptation in fruit flies.

Starting date: ideally in autumn 2021, although a later starting date can be discussed.

Job description: The selected candidate will investigate the link between the circadian clock and the physiological processes that it modulates, especially those that are affected by day length. We will **use behavioral, molecular, and histological approaches** to elucidate the role of the master clock in modulation of thermal performance and overwintering strategies and to functionally characterize genes whose expression changes with day length. Our models will be *D. melanogaster* and *D. suzukii*.

Requirements: You should be highly motivated and hold a master degree in Biology or related fields (or equivalent title). You have a good command of written and spoken English and a prior experience in *Drosophila*/insect research as well as molecular biology (e.g. cloning, CRISPR-Cas9 based mutagenesis, qPCR). Previous research experience in Chronobiology, knowledge of Histology, Confocal Microcopy, and some experience with R programming (or willingness to learn) will be also valued.

To apply send a **motivation letter** and **CV** (including **contact details of two referees**) via email to Dr. Pamela Menegazzi (pamela.menegazzi@uni-wuerzburg.de). The position will remain open until filled and applications will be screened continuously. Informal inquiries are also welcome.

The University of Würzburg is an equal opportunity employer: we encourage applications from qualified women and disabled applicants will be preferentially considered if equally qualified.

WIR
Würzburg Insect Research

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