

Ph.D. position

Modulating the thermogenesis in honeybees

A DFG-funded Ph.D. position is available in the group of Dr. Markus Thamm (Biocenter, Chair of Behavioral Physiology & Sociobiology) at the Julius-Maximilians-University of Würzburg (JMU).

Description

Honeybees (*Apis mellifera*) are able to produce heat using their flight muscles (thermogenesis). This feature is shared by many different insects in order to provide optimal temperature conditions prior to flight. Additionally, heating has social functions within a honeybee. For instance, heating enables the colony to hold a constant brood temperature.

During this project, we want to analyze how honeybee thermogenesis is modulated on the physiological level. For this, a broad range of methods will be available, including: thermographic analysis, HPLC, molecular biology, immunohistochemistry & heterologous expression.

We offer:

- a 3-year Ph.D. position according to TV-L E13 (65%).
- an exciting and excellent research environment at the Biocenter.
- travel opportunities for training, research and meetings.
- the possibility to associate with the Graduate School of Life Sciences (GSLs) at the JMU which offers structured interdisciplinary training for participating PhD students.

The future candidate should have:

- a Master degree or equivalent in biology, molecular biology, or related disciplines.
- a solid background in behavior and molecular biology.
- a strong interest in interdisciplinary research of animal behavior.
- experience with honeybees (especially beekeeping) would be desirable, but is not required.
- excellent communication and team-working skills.

Your application should include:

- a motivation letter, including scientific interest & past research experience.
- a detailed curriculum vitae.
- copies of exam results.
- a publication list - if any.
- contact information of two referees.

The University of Würzburg seeks to increase the proportion of women in research and teaching, and particularly encourages female applicants to apply for this position. In case of equal qualification, severely disabled people will be privileged during the selection procedure.

Please note: Application and travel costs will not be reimbursed from our side.

Deadline for the application is January 31th, 2019. Please send your application as a single PDF-file to markus.thamm@uni-wuerzburg.de. For further information please send an email.