Institut für Bienenkunde

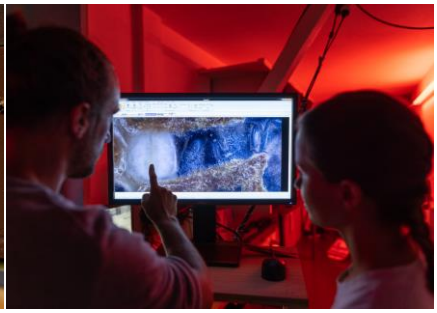
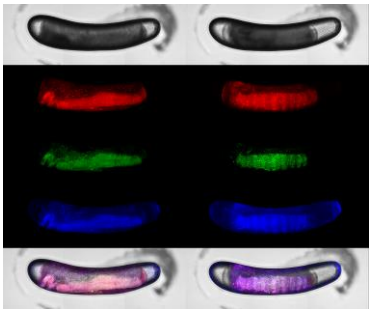
Buchmann Institute for Molecular Life Sciences

Robust Nature

Receptors for development and organismic interaction in social insects

OPEN POSITION:
Scientist (Wissenschaftliche:r Mitarbeiter:in)

We are looking for a **Scientific Assistant (66% E13 TV-G-U) for research on honey bees with interest in molecular biology** for an initial period of 9 months. Start date is March/April 2022 at the latest, with the possibility to extend the collaboration as a PhD project.

What is the project about?

We use imaging techniques to study the development of honey bees and their interactions within the colony. For this we use different staining methods to detect the expression of receptors and cell structures during honeybee embryogenesis. This includes the creation of transgenic honey bee lines (e.g. with CRISPR/Cas9). We also explore the effects of environment and pesticides on organismic interactions within the bee colony through video analysis of brood care behavior and composition analysis of brood food.

The project is a collaboration between the Goethe-University workgroups Grünewald (Paul Siefert) and Stelzer (Frederic Strobl) and the Beye workgroup (Düsseldorf University) in the framework of the Cluster of Excellence initiative "RobustNature".

Who are we looking for?

We are looking for motivated students with a Master's degree or who are about to graduate until March/April. You should be interested in working in an interdisciplinary research team, have knowledge of molecular biology and cell biology methods as well as the motivation to learn them.

If you are interested please contact

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