Dr. Felix Schilcher

Behavioral Physiology & Sociobiology (Zoology II)
Biocenter of the University of Würzburg, Am Hubland, 97074 Würzburg
felix.schilcher@uni-wuerzburg.de
+49 931 31-85373
Schilcher

Education

2018 – 2022 **Doctoral studies, University of Würzburg**
Degree: Dr. rer nat
Thesis title: *Regulation of the nurse-forager transition in honeybees*
Thesis defense: 12.10.2022 (magna cum laude)

2015 – 2017 **Master of Science, University of Würzburg**
Thesis title: *Influence of biogenic amines on honeybees*

2011 – 2014 **Bachelor of Science, Technical University of Darmstadt**
Thesis title: *Drought stress affects Acyrthosiphon pisum on Pisum sativum*

Employment History

Since 2022 **Postdoctoral Researcher - VW Stiftung, Momentum Projekt**
University of Würzburg, Germany (Prof. Ricarda Scheiner)

2021 – 2022 **Postdoctoral Researcher – LWF Lo62**
University of Würzburg, Germany (Dr. Markus Thamm)

Research Intrests

Since 2022 The underlying molekular mechanisms of division of labor in social insects

Teaching

since 2016 **Teaching Assistance**
Lab Courses & Thesis Supervision for Bachelor/Master Students in Behavioral and Molecular Physiology

Grants

2018 **Graduate School of Life Sciences**
Travel Fellowship, University of Würzburg

Selected Conference Talks and Poster Presentations

2022 **IUSSI** - International Union for the Study of Social Insects
Talk – *Novel insights into the nurse-forager transition of the western honeybee*

2021 **EU – IUSSI** - European Union for the Study of Social Insects
Talk – *Influence of larval diet and in-vitro rearing on social behavior and physiology in honeybees*

2019 **AG Bienentagung**
Poster – *Studying social organization in individual in-vitro raised honeybees*

2018 **IUSSI** - International Union for the Study of Social Insects
Poster – *Antagonistic functions of the biogenic amines octopamine and tyramine on honeybee vision*

16th Rauischholzhausen Seminar
Talk – *Regulation of the nurse-forager transition in honeybees*

Publications

Journal Articles (peer reviewed)

1. **Schilcher**, **F.**, Hilsmann, L., Ankenbrand, M. J., Krischke, M., Mueller, M. J., Steffan-Dewenter, I., & Scheiner, R. (2022). Honeybees are buffered against undernourishment during larval stages. *Frontiers in Insect Science*, *2*. doi:10.3389/finsc.2022.951317

2. **Schilcher**, **F.**, Hilsmann, L., Rauscher, L., Değirmenci, L., Krischke, M., Krischke, B., … Scheiner, R. (2021). In vitro rearing changes social task performance and physiology in honeybees. *Insects*, *13*(1), 4. doi:10.3390/insects13010004

3. **Schilcher**, **F.**, Thamm, M., Strube-Bloss, M., & Scheiner, R. (2021). Opposing actions of octopamine and tyramine on honeybee vision. *Biomolecules*, *11*(9), 1374. doi:10.3390/biom11091374

4. Hesselbach, H., Seeger, J., **Schilcher**, **F.**, Ankenbrand, M., & Scheiner, R. (2020). Chronic exposure to the pesticide flupyradifurone can lead to premature onset of foraging in honeybees apis mellifera. *Journal of Applied Ecology*, *57*(3), 609–618. doi:10.1111/1365-2664.13555