



SCIENTIFIC SYMPOSIUM

Tenure Track Professorship “Functional Morphology of Arthropods”

June 24th, 2024

University of Vienna Biology Building (UBB), Djerassiplatz 1, 1030 Vienna

As part of the appointment procedure for the position of a Tenure Track Professorship in Functional Morphology of Arthropods at the Faculty of Life Sciences at the University Vienna you are cordially invited to a Scientific Symposium with the following programme:

Scientific Presentations, Lecture Hall 1

(20 min + 10 min discussion)

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| 08:45-09:00 | Welcome and introduction to the symposium |
| 09:00-09:30 | Thies BÜSCHER Christian-Albrecht University Kiel and Leibniz Institute for Science and Mathematics Education Kiel, Germany <i>Title: Multiscale perspectives on attachment systems of arthropods</i> |
| 09:30-10:00 | Konstantin NADEIN Christian-Albrecht University Kiel, Department of the Functional Morphology and Biomechanics, Germany <i>Title: Arthropod leg joints as biological devices: design, functional morphology and biomechanics</i> |
| 10:00-10:30 | Yoko MATSUMURA Hokkaido University, Graduate School of Agriculture, Japan <i>Title: Exploring diversification mechanisms: the functional morphology of reproductive organs in insects</i> |
| 10:30-11:00 | Coffee break |



- 11:00-11:30 **Adrian RICHTER**
Okinawa Institute of Science and Technology, Japan
Title: Illuminating Ant Morphological Evolution - One scan at a time
- 11:30-12:00 **Margarita YAVORSKAYA**
University of Tübingen, Institute of Evolution and Ecology, Germany
Title: Evolutionary morphology of peculiar tiny arthropods and its functional implications
- 12:00-12:30 **Sebastian BÜSSE**
Zoological Institute and Museum, University of Greifswald, Germany
Title: The (Multi-) Functionality of Arthropod Appendages – functional morphology, biomechanics and bio-inspired robotics

Lectures for Students, Lecture Hall 2 (20 min + 5 min discussion)

Introductory lecture for BSc students on the topic “Function, diversity, and evolution of arthropod appendages”

- 14:00-14:25 **Thies BÜSCHER**
- 14:25-14:50 **Konstantin NADEIN**
- 14:50-15:15 **Yoko MATSUMURA**
- 15:15-15:45 *Coffee break*
- 15:45-16:10 **Adrian RICHTER**
- 16:10-16:35 **Margarita YAVORSKAYA**
- 16:35-17:00 **Sebastian BÜSSE**