

## Useful information

Talks marked with a  are student contributions and are eligible for the Best Talk Prize.

**Public transport** in Jena is managed by Stadtwerke Jena: Nahverkehr. Tickets can be bought from vending machines in stations or from the mobile app FAIRTIQ.



### Conference website



**Food & beverages**  
Coffee, tea and small snacks will be available in the coffee breaks and during the poster session. Lunch is self-organized (check our map for options in the area).

**The conference dinner** will take place at the local brewery *"Braugasthof Papiermühle"* (Erfurter Str. 102, 07743 Jena). You can get there by bus no. 14 or 16 from the station Holzmarkt (see map) to the station Langetal (14), respectively Mühlthal (16).

**Emergency numbers:** Fire/Medical: 112 Police: 110

## WEDNESDAY 25<sup>th</sup> Feb

17:30 **Registration**

18:00 - 22:00 **Ice Breaker**  
Phyletisches Museum 

## THURSDAY 26<sup>th</sup> Feb


8:30 **Registration**

9:00 **Welcome**

9:15 **Tracy Kivell**   
Evolution of hand dexterity in humans and other primates


Chairs: Manuela Nowotny & Marcelo Christian

10:00 **Bernd Bock**  
Art & science and the invention of morphology


10:15 **Peter Kappel**   
Biting and feeding mechanisms of the Mediterranean medical leech (*Hirudo verbana*)

10:30 **Alexander Stöbel**  
Studying the origin and deep-time population history of our species (*Homo sapiens*) in the absence of ancient DNA


10:45 **Coffee Break** 

11:15 **Josefine Kreuz**   
Stop and go: Silk flow controlling muscles in the anterior lateral spinneret of spiders (Araneae)

11:30 **Wencke Krings**  
Morphological and biomechanical perspectives on radular diversity

11:45 **Antonia Dopp**   
A bloody mystery – morphological investigations shed light on the function of the glycerid venom system (Glyceridae, Annelida)





12:00 **Jule Winter**   
Developmental repatterning "types" underlying the evolution of cranial morphological diversity in South American killifishes


12:15 **Group Picture & Lunch Break**

Chairs: Gudrun Schwarze & Conrad Helm

14:00 **Ann-Katrin Koch**   
Revealing the overlooked: Pelvic girdle morphology in non-percomorph teleosts


14:15 **Franziska Neitzel**   
Between conservation and colonization: Amphipoda (Crustacea: Peracarida) from a marine protected area and a fouling community in the Northern Adriatic

14:30 **Ines Müller**   
Comparative study of SIFamide-like immunoreactive neuronal patterns reveals an ancestral neuron type in the chelicerate brain

14:45 **Mike Kunze**   
Investigating tracheal ultrastructure across Arthropoda: First large-scale comparison of taenidial measurements

15:00 **Coffee Break** 

15:45 **Francesca Pinton**   
Symbiotic algae in an acoel worm: tissue-dependent intracellularly and interaction with host cells

16:00 **Alina Schüller**   
The hidden anatomy of ricefish reproduction: A histological perspective

16:15 **Lisa Marie Riehemann**   
Step by step: Organogenesis during crab metamorphosis

16:30 **Adrian Richter**  
The head anatomy of Smicromyrme (Hymenoptera: Mutillidae) and comparisons considering ants and other aculeates


16:45 **Coffee Break** 



17:15 - 19:00 **Poster Session**  
Phyletisches Museum 




## FRIDAY 27<sup>th</sup> Feb

9:00 **Yoko Matsumura**   
Lessons from functional morphology: how macro- and microevolution have shaped elongated genitalia in leaf beetles

Chairs: Iulia Barutia & Sebastian Decker


9:45 **John Seifert**   
Comparative morphology and ultrastructure of the reproductive system in the house centipede *Scutigera coleoptrata* (Chilopoda)


10:00 **Birk Rillich**   
Functional morphology and sexual selection of the copulatory structures in the millipede *Acanthopetalum carinatum* (Callipodida, Diplopoda)


10:15 **Alexander Kuper**  
Evolutionary genital morphology of caecilian amphibians updated


10:30 **Brendon Boudinot**  
What is the penis? Establishing the groundplan of male insect genitalia

10:45 **Coffee Break** 


11:15 **Derya Akdogan**   
Unravelling the *Haploniscus hydroniscoides* Birstein, 1963 species complex through integrated methods of taxonomy and molecular analyses

11:30 **Minsoo Dong**   
Evolution and functional morphology of the ant waist: Biomechanical principles underlying its architecture

**11:45** **Eva M. Schulenberg**   
Flow field analysis reveals hydrodynamic differences between ecological morphs of *Daphnia*


**12:00** **Hsuan Hung**   
The clavicle as a key to digging in moles (Talpidae): A comparative analysis of shoulder morphology and microanatomy in extant and extinct taxa


**12:15**  
**Lunch Break**

**14:00** **Ben Warren**   
Micromechanical mysteries of the most sensitive mechanoreceptor

Chairs: Francesca Pinton & Andy Sombke


**14:45** **Henja Wehmann**  
Looking behind — in vivo investigations on structural motions inside the locust ear


**15:00** **Eleftherios Dimitriou**   
From land to water and back again: Neuroanatomical adaptations of the olfactory system in Hemiptera


**15:15** **Lorenz Guschker**   
The evolution of retinotectal development in Anurans with different reproductive modes

**15:30** **Coffee Break**   
Chairs: Antonia Dopp & Thies Büscher

**16:00** **Margarita Yavorskaya**  
Interactions with ants and possible functions of the foveal system of ant-like litter beetles (Pselaphinae, Staphylinidae)

**16:15** **Julian Bibermair**   
Glimpses on the evolution of phylactolaemate bryozoans

**16:30** **Gudrun Schwarze**   
From larvae to worm-like adult: Morphogenesis in a vermetid gastropod


**16:45** **Nicholas Joris Fleck**   
Hiding behind a giant – Untangling the gemsnakes of the *Liophidium torquatum* complex from Madagascar

**17:00** **Daniel Tröger**   
From cabinets to collectomics: Discovering females and larvae of Strepsiptera in a historical collection

*Don't forget to vote!*

**18:30** **Conference dinner**  
Braugasthof Papiermühle


**SATURDAY 28<sup>th</sup> Feb**

**09:30** **Paul Kalke**   
Convergent evolution of sensory palps in Scalibregmatidae (Annelida)  
Chairs: Iulia Barutia & Maximilian Stüwe

**10:00** **Chuchu Li**  
Functional morphology of pygopodia in semi-aquatic firefly larvae (Coleoptera, Lampyridae)

**10:15** **Alexandre Casadei Ferreira**  
Valvilli architecture and its role in venom pumping

**10:30** **Richard Sulser**  
Sped up shape: Measuring phenotypic evolution of threespine stickleback in an ongoing natural experiment

**10:45** **Coffee Break**   
Chairs: Manuela Nowotny & Andy Sombke

**11:15** **Tatiana Lebedeva**  
Morphology and embryonic development of the muscle system in the ctenophore *Mnemiopsis leidyi*

**11:30** **Cristian Klunk**  
Cuticle composition and material properties of mandibles reflect ecological demands on trap-jaw ants




**11:45** **Carsten H.G. Müller**  
Chemosensing everywhere: about the sensory equipment of locomotory appendages in the house centipede *Scutigera coleoptrata* (Chilopoda, Notostigmophora)

**12:00** **Thies Büscher**  
Show me your belly – mechanically protected metasomal attachment pads in male *Afroheriades* bees (Hymenoptera, Megachilidae) enable contamination-free mating grip

**12:15** **Awards** 

**12:30** **DZG Morphology Section announcements & closing remarks**





**Abstract Booklet**


**Springer**



**Royal Entomological Society**

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- Lunch options:**
-  **Jen Ramen** Markt 4, 07743 Jena
  -  **Alt Jena - Wirtshaus** Markt 9, 07743 Jena
  -  **Kartofelhaus** Markt 13, 07743 Jena
  -  **Buon appetito** Engelpl. 10A, 07743 Jena
  -  **Vietfresh** Grietgasse 21, 07743 Jena
  -  **Fritz Mitte** Neugasse 5, 07743 Jena
  -  **Tante Lee** Neugasse 37, 07743 Jena
  -  **Theatercafe** Schillergäßchen 1, 07745 Jena
  -  **Grünowski** Schillergäßchen 5, 07745 Jena
  -  **Dönner/Kebab**
  -  **Various food courts** (Shopping Mall)
  -  **Bunshu** Ernst-Abbe-Platz 5, 07743 Jena
  -  **Cafe Stillbruch** Wagnergasse 1-3, 07743 Jena
  -  **ANDERS** Johannispl. 17, 07743 Jena
  -  **Conference location & Phyletic Museum** access through Neugasse (arrow)
  -  **Bus station 14 & 16** (for Conference Dinner)

