



**19.** Jahrestagung  
Gesellschaft für  
Biologische  
Systematik  
Vienna, 11th - 14th February 2018

## Overview

### Sunday, 11 February 2018

- 18.00 Guided tours behind the scenes of the Natural History Museum Vienna  
Meeting point: side entrance NHM, Burgring 7, 1010 Vienna
- 19.00 Icebreaker at the Dinosaurs's Hall of the Natural History Museum  
Entry: Main Entrance of the NHM, Maria-Theresien-Platz 1

### Monday, 12 February 2018

**(Geozentrum UZA II, Althanstrasse 14, 1090 Vienna)**

- 8.00 Welcome
- 8.15 Keynote
- 9.00-16.00 Talks
- 16.00 Poster session/ Curator's Meeting
- 18.00 General Assembly with Bernhard Rensch Prize Ceremony

### Tuesday, 13 February 2018

**(Geozentrum UZA II, Althanstrasse 14, 1090 Vienna)**

- 8.30 Keynote
- 9.15-17.00 Talks
- 17.00 Best Student Poster Award & Conference Closure
- 19.00 Conference Dinner at the Major's Hall, Friedrich-Schmidt-Platz 1, 1010 Vienna

### Wednesday, 14 February 2018

**(different locations)**

Workshops



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**Monday, 12 February 2018**

**Morning 8 - 12am**

**8:00 Welcome**

**8:15 Keynote G. Marramà:** The Eocene cartilaginous fishes from the Bolca Lagerstätte, Italy: New Insights into the adaptive fish radiation after the End-Cretaceous extinction

**09:00 T. Schwaha:** Lonely in the deep: a new solitary ctenostome bryozoan from the Mediterranean Sea

**09:15 M. Raupach:** Water striders, backswimmers, and others: The molecular diversity of aquatic Heteroptera (Gerromorpha, Nepomorpha) of Germany based on DNA barcodes

**09:30 H. Letsch:** Climate and host plant associations shaped the evolution of ceutorhynch weevils (Coleoptera: Curculionidae: Ceutorhynchinae) throughout the Cenozoic

**09:45 S. Schoder:** The *Hylaeus brevicornis* group revisited – an integrative approach to delimit four closely related species of masked bees (Hymenoptera: Apidae)

**10:00 U. Aspöck:** Neuropterida in the carousel – Plausibility discussion of recent DNA-based trees

**10:15 coffee break**

**10:45 S. Rossel:** MALDI-TOF MS for identification of highly abundant microscopic crustaceans (Harpacticoida) using Random Forest classification

**11:00 P. Pitriana:** Barnacles in the coast of ambon island, Indonesia: Following Siboga expedition 1899

**11:15 N. Heitland:** Macrostylid males upgraded – The evolutionary origin of enhanced sexual dimorphism in deep-sea isopods

**11:30 A. Baller:** Photoreceptor-like sense organs as a means of species discrimination between populations of the widely distributed interstitial annelid *Stygocapitella subterranea* (Pleistoannelida, Sedentaria)

**11:45 E. Hörandl:** Phylogeny and hybrid evolution of willows (*Salix* L.) entangled by RAD Seq analysis

**12:00 lunch break**



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### Afternoon 1.30 – 7pm

13:30 **S. Affenzeller:** Challenges in the *Gibbula-Complex* Taxonomy: Linking Molecular Phylogeny and Shell Morphology

13:45 **B. Wiggering:** All about the same – Delineating cryptic marsupial snails from Thailand (Gastropoda: Thiaridae)

14:00 **J. Melo:** Diversity of the innate immune receptors in photosymbiotic and non-photosymbiotic molluscs

14:15 **G. Schäfer:** Tracing the phylogeny of Heterobranchia by the structure and evolution of hemocyanin genes

14:30 **Ch. Gregor:** The impact of the plastid source and starvation condition on the physiology of the "solar-powered" sea slug *Elysia viridis*

### 14:45 coffee break

15:30 **M. Christodoulou:** Ophiuroid biodiversity and connectivity of the Clarion-Clipperton Zone (CCZ) in the Pacific Ocean

15:45 **A. Kroh:** Phylogeny & evolution of edible sea urchins

### 16:00 Poster session

#### Curator's meeting

**P. Giere:** Historic histological slides: mass digitization, workflow and data handling

**M. John:** Risk management for collections: Response to the flooding of Dresden, Germany

**Ch. Neumann:** Disaster planning at the Museum für Naturkunde, Berlin – a case study

**F. Brugger:** The Austrian Emergency Association of Museums and Libraries

### 18:00 General Assembly

Bernhard Rensch-Award 2017: talk by the award winner **Guillome Chomicki** on "Using ant/plant symbioses to understand cooperation among species" & laudatio by Susanne Renner

Bernhard Rensch-Award 2018: talk by the award winner **Flora Ihlow** on "Taxonomy and Distribution of Southeast Asian Chelonians" & laudatio by Uwe Fritz



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8:30 **Keynote S. Richter:** Crustacean disparity – a challenge for evolutionary morphology

09:15 **O. Bronstein:** Mind the gap! The mitochondrial control region and its power as a phylogenetic marker

09:30 **M. Gruendstäudl:** Computational strategies to improve the selection of data partitioning schemes and nucleotide substitution models in phylogenomic reconstruction – An example from a plastid phylogenomic analysis of water lilies (Nymphaeaceae) and relatives

09:45 **A. Muellner-Riehl:** Why do the regions surrounding the Qinghai-Tibet Plateau support exceptionally high biodiversity?

10:00 **T. Riehl:** Abyssal biodiversity – new data and ideas about the evolutionary origins

**10:15 coffee break**

11:00 **M. Schmitt:** In favour of an ecological species concept – examples from the beetle world

11:15 **L. Vogt:** Morph·D·Base and semantics: digital morphology could revitalize one of the oldest biological disciplines

11:30 **H. Wägele:** DAAD: Subject-Related Partnerships with Institutions of higher Education in Developing Countries. Building up an International Master in Manado (Indonesia) on Indo-Pacific Coral Reef Biodiversity and Conservation

11:45 **M. Wiemers:** IPBES activities with special reference to the pollination assessment

**12:00 lunch break**



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- 13:30 **S. Stumpf:** New information on the diversity of Early Jurassic neoselachian sharks and rays and implications for a post-Pliensbachian neoselachian distributional turnover
- 13:45 **J. Villafaña:** Body size estimation of great white shark (*Carcharodon carcharias*) from Pliocene to recent in the Pacific coast of South America
- 14:00 **N. Gierlinger:** Development and patterning of dermal and dental denticles in sharks and shark-related rays (Chondrichthyes, Elasmobranchii): Ecological constraints, evolutionary patterns and ontogenetic trends clarifying denticle morphology
- 14:15 **J. Türtcher:** Using tooth histology to distinguish morphological similar shark teeth
- 14:30 **P. Jambura:** The phylogenetic relevance of the unique tooth histology in lamniform sharks (Elasmobranchii)

**14:45 coffee break**

- 15:30 **F. López-Romero:** Ontogenetic shape changes in the body and head of *Chlamydoselachus anguineus*
- 15:45 **A. Schipany:** Diversity patterns of sharks and rays (Chondrichthyes, Elasmobranchii) in the Adriatic Sea off Croatia
- 16:00 **J. Cawley:** Pycnodonts: could they be the true sister group to teleost fishes?
- 16:15 **G. Dyke:** A mixed vertebrate nesting assemblage from the Transylvanian late Cretaceous
- 16:30 **L. Zangl:** Up for surprises – The story of Austria's gudgeons
- 16:45 **L. Doronina:** Incomplete lineage sorting in mammals

**17:00 Poster Prize Award & Closing ceremony**

**19:00 Conference Dinner**