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
### Monday, 12 February 2018

**Morning 8 - 12am**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Welcome</td>
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<tr>
<td>8:15</td>
<td><strong>Keynote G. Marrama</strong>: The Eocene cartilaginous fishes from the Bolca Lagerstätte, Italy: New Insights into the adaptive fish radiation after the End-Cretaceous extinction</td>
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<tr>
<td>09:00</td>
<td><strong>T. Schwaha</strong>: Lonely in the deep: a new solitary ctenostome bryozoan from the Mediterranean Sea</td>
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<td>09:15</td>
<td><strong>M. Raupach</strong>: Water striders, backswimmers, and others: The molecular diversity of aquatic Heteroptera (Gerromorpha, Nepomorpha) of Germany based on DNA barcodes</td>
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<td>09:30</td>
<td><strong>H. Letsch</strong>: Climate and host plant associations shaped the evolution of ceutorhynch weevils (Coleoptera: Curculionidae: Ceutorhynchinae) throughout the Cenozoic</td>
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<td>09:45</td>
<td><strong>S. Schoder</strong>: The <em>Hylaeus brevicornis</em> group revisited – an integrative approach to delimit four closely related species of masked bees (Hymenoptera: Apidae)</td>
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<td>10:00</td>
<td><strong>U. Aspöck</strong>: Neuroptera in the carrousel – Plausibility discussion of recent DNA-based trees</td>
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**10:15 coffee break**

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10:45</td>
<td><strong>S. Rossel</strong>: MALDI-TOF MS for identification of highly abundant microscopic crustaceans (Harpacticoida) using Random Forest classification</td>
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<td>11:00</td>
<td><strong>P. Pitriana</strong>: Barnacles in the coeast of ambon island, Indonesia: Following Siboga expedition 1899</td>
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<td>11:15</td>
<td><strong>N. Heitland</strong>: Macrostylid males upgraded – The evolutionary origin of enhanced sexual dimorphism in deep-sea isopods</td>
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<td>11:30</td>
<td><strong>A. Baller</strong>: Photoreceptor-like sense organs as a means of species discrimination between populations of the widely distributed interstitial annelid <em>Stygocapitella subterranea</em> (Pleistoannelida, Sedentaria)</td>
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<tr>
<td>11:45</td>
<td><strong>E. Hörandl</strong>: Phylogeny and hybrid evolution of willows (<em>Salix</em> L.) entangled by RAD Seq analysis</td>
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**12:00 lunch break**
Monday, 12 February 2018

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
### 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**
Tuesday, 13 February 2018

Afternoon 1.30 – 7pm

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. Türtzcher**: 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**