

21st Annual Meeting of the Society for Biological Systematics (Gesellschaft für Biologische Systematik)

In Hamburg, February 12-15, 2020

Please note: * marks student contributions that participate in the “best student presentation” award

Wednesday, February 12

- 16.00 Board Meeting
19.00 **Icebreaker** (including tours through the collections)

Thursday, February 13

- 8.00 Welcome address (Matthias Glaubrecht) and introduction to the meeting (Andreas Schmidt-Rhaesa)
- 8.30 **Keynote** (Chair: Andreas Schmidt-Rhaesa)
Christoph Bleidorn: The evolution of annelids
- Session I.** Chair: Alexandra Kerbl
- 9.30 **Ekin Tilic**, Greg W. Rouse: Phylogeny of Sabellida (Annelida)
- 9.45 **Stephanie Köhnk**, Claire Petros, Claire Lomas, Enas Mohamed Riyad, Martin Stelfox: Stowaways – marine leeches infecting olive ridley sea turtles entangled in ghost nets
- 10.00 *Coffee Break*
- Session II.** Chair: Alexander Kieneke
- 10.30 ***Sonja Bamberger**, Bernhard Hausdorf: Exploring species delimitation methods in a Cretan door snail species complex based on RADseq data
- 10.45 ***Jie Xu**, Bernhard Hausdorf: Phylogeography and population structure of the door snail *Charpentieria itala* in the Southern Alps
- 11.00 ***Fabian Deister**, Dirk Erpenbeck, Gert Wörheide, Sergio Vargas
Species identification beyond barcoding - Multi-locus sequencing in sponges
- 11.15 ***Dario Karameinski**, Jessica Goodheart, Tatiana Korshunova, Alexander Martynov, Michael Schroedl, Heike Wägele, Alexander Donath: Understanding Phylogenetic Relationships in Cladobranchia (Nudibranchia, Heterobranchia, Gastropoda) using NGS Data
- 11.30 **Magdalini Christodoulou**, Tim OHara, Andrew F. Hugall, Pedro Martinez Arbizu: Illuminating the “dark” abyssal biodiversity
- 11.45 ***Angelina Eichsteller**, Pedro Martínez Arbizu, Saskia Brix: Associated ophiuroid fauna on cold-water corals of the Reykjanes Ridge
- 12.00 *Lunch*
- Session III.** Chair: Marianna Simões
- 13.30 ***Pipit Pitriana**: Past, present and future: Integrative taxonomy of barnacles (Crustacea: Cirripedia) from Eastern Indonesia
- 13.45 **Saskia Brix**, Katrin Linse, James Taylor, Anne Helene Tandberg, Anne-Nina Lörz, Angelina Eichsteller, Annabelle Siebert, Martin Schwentner: Case studies of

- different crustacean taxa – how reproductive mode influences biodiversity and species distributions
- 14.00 ***Carolyn Uhler**, Ralf Thiel, Martin Schwentner, Kenneth Meland, Henrik Glenner, Jon Anders Kongsrud, Angelika Brandt, Saskia Brix: Morphological and molecular diversity of Cumacea (Crustacea; Peracarida) within Northern European Ocean ecoregions
- 14.15 **Michael J. Raupach**, Björn Rulik, Jörg Spelda: Surprisingly high variability of the DNA barcode fragment within Central European woodlice species (Crustacea, Isopoda, Oniscidea)
- 14.30 **Dieter Thomas Tietze**: Song evolution in tits and chickadees (Aves: Paridae)
- 14.45 *Coffee Break*
- Session IV.** Chair: Marc Appelhans
- 15.15 **Alexander Zizka**, Frederic Lens: A global review of insular woodiness and its potential functional significance
- 15.30 ***Oluwatobi Oso**, Adeniyi Jayeola: Geomorphometric analyses of heritable fruit traits in Bottle Gourds
- 15.45 Juraj Paule, Roswitha Schmickl, Tomáš Fér, Sabine Renger, **Georg Zizka**: New results from the *Ochagavia-Fascicularia* group using genome skimming
- 16.00 **Meeting JuSys** (Junge Systematiker) (16.00-17.00)
- 16.00 **Meeting Curators** (16.00 – appr. 18.00)
- 17.00 **Poster Session** (17.00-18.30)
- 18.30 **Public Evening Lecture**
Stuart Pimm: Modern extinctions and what need to know - and do - to prevent them

Friday, February 14

- 8.30 **Keynote** (Chair: Thomas Kaiser)
Madelaine Böhme: *Danuvius guggenmosi* and the positional behaviour of the last common ancestor of great apes and humans
- 9.30 *Coffee Break*
- Session V.** Chair: Oliver Hawlischek
- 10.00 ***Thorleif Dörfel**, Michael Ohl: The genus *Sphex* in Sub-Saharan Africa – an integrative taxonomic revision
- 10.15 **Lars Krogmann**, Thomas van de Kamp: Loss of dicondylic mandibles in hyperdiverse parasitoid wasps
- 10.30 ***Thaynara L. Pacheco**, Marcela L. Monné, Fernando Z. Vaz-de-Mello, Dirk Ahrens: First non-feeding species of Sericini chafers from Amazonia (Coleoptera, Scarabaeidae): implications on scarab evolution
- 10.45 ***Jan Philip Oeyen**, Bernhard Misof, Oliver Niehuis: Sawfly genomes provide insights into traits that fostered the mega-radiation of parasitoid and eusocial Hymenoptera
- 11.00 *Coffee Break*
- Session VI.** Chair: Martin Husemann

- 11.30 **Oliver Hawlitschek**, Ricardo Pereira, Edgardo Ortiz Valencia: Phylogenomics of Acrididae (Insecta: Orthoptera): More genes, more resolution?
- 11.45 ***Lara-Sophie Dey**, Axel Hochkirch, Abdelhamid Moussi, Martin Husemann: Diversification in and around the Atlas Mountains: A Review of the genus *Thalpomena* Saussure, 1884
- 12.00 ***Wencke Krings**, Carolin Scheel, Stanislav N. Gorb, Matthias Glaubrecht: Researchers staring at snails' tongues – Distinct radular movement patterns in the major gastropod lineages
- 12.15 ***Ulla Lächele**, Nikolai Hecker, Michael Hiller, Heiko Stuckas, Peter Giere: Convergent loss of the mammalian vomeronasal system – combining morphology and genomics
- 12.30 *Lunch*
- Session VII.** Chair: Michael Schmitt
- 14.00 **Lars Dietz**, Jonas Eberle, Christoph Mayer, Lars Podsiadlowski, Ralph S. Peters, Ximo Mengual, Bernhard Huber, Marianne Espeland, Thomas Wesener, Oliver Niehuis, Bernhard Misof, Dirk Ahrens: Universal single-copy orthologs (USCOs) as markers for species-level taxonomy
- 14.15 **Martha Kandziora**: PhylUp : Automated updating of phylogenetic alignments with custom sampling strategies
- 14.30 **Jutta Buschbom**: From conservation genomic research to highly cooperative application: statistical quality, user acceptance and IT security
- 14.45 **Bernhard Hausdorf**, Christian Hennig: Species delimitation and geography
- 15.00 **Elisabeth Geiser**: Think global, act local - what the seemingly increasing number of Austrian animal species can tell us
- 15.15 *Coffee Break*
- 15.45 *Group Photo*
- 16.00 **Rensch-Award** : Laudatio: **Ingmar Werneburg**
Rensch-Award Keynote: Gabriel S. Ferreira: Patterns of morphological evolution in the skull of turtles: contributions from digital paleontology, neuroanatomy and biomechanics.
- General Assembly**
- 19.30 **Conference Dinner**