

Symposium 2:

Evolution of parasites and parasitoids

Conveners:

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The majority of species on earth have a parasitic lifestyle. Despite their overwhelming diversity and importance in both ecology and economy, parasitic organisms still only play a minor role in biodiversity research. This symposium will try to shed light on patterns of parasite diversity, focussing on multi-cellular parasites and insect parasitoids, and discuss mechanisms involved in their diversification.

Program

Diversity & Phylogeny (6 talks)

1. Jean Mariaux: Parasites - the hidden diversity
2. Mutafchiev Yassen: Biodiversity of spirurid nematodes
3. Anu Veijalainen: The undiscovered world of tropical ichneumonid parasitoid wasps (Hymenoptera)
4. Andrew Bennett: Morphological and molecular phylogeny of the subfamilies of Ichneumonidae (Hymenoptera)
5. John Heraty: A phylogenetic hypothesis for Chalcidoidea, a hyperdiverse group of insect parasitoids
6. Jean-Yves Rasplus: Community phylogeny and biogeography of figs and wasps

Evolution of parasitism (6 talks)

7. Ana Millanes: Diversity, speciation and co-evolution in fungal-parasitic fungi: the Biatropsis-Usnea system as a model.
8. Jessica Litman: Origins, evolution and diversification of cleptoparasitic lineages in long-tongued bees
9. Michael Gerth: Investigating horizontal *Wolbachia* transmission between bees (Anthophila) and their kleptoparasites
10. Ole Sten Möller: Parasitic life style and its consequences from an evolutionary morphology point of view: Examples from Crustacean groups
11. Tim Littlewood: Multiple transitions to parasitism in the Platyhelminthes
12. Johannes Bergsten: Bayesian species delimitation reveals specialist parasitic wasps in coevolution with chrysomelid beetles