

SIAL5

Ohrid 2009

PROGRAM

Monday - 7 September, 2009

- 08:30 - 10:30 Registration, fixing posters
- 11:30 - 13:30 Opening ceremony and welcome addresses, St. Sophia church
- 14:30 - 15:20 **Trajanovski & Wilke:** *Introductory talk*

Palaeolakes & Deep time perspectives

Chair - Sturmbauer

- 15:20 - **Cohen:** The Lake Malawi Scientific Drilling Project (LMSDP): Historical ecology of an ancient lake and lessons learned for speciation studies using scientific drilling
16:00
- 16:00 - **Riedel:** Was the extinct Quaternary mega-lake palaeo-Makgadikgadi (Kalahari, Botswana) a centre of major evolutionary radiations?
16:20
- 16:20 - Coffee break**
16:40
- 16:40 - **Glaubrecht:** Molluscs of the ancient palaeo-lake Lorenyang, Turkana Basin: Anagenesis vs. cladogenesis and the migration of faunas
17:00
- 17:00 - **Van Bocxlaer:** Holocene morphospace expansion of *Bellamyia* gastropods from Lake Malawi as potential evidence for punctuated morphological change
17:20
- 17:20 - **Harzhauser:** Long-lived lakes as evolutionary islands: examples from the Neogene of Central and South-Eastern Europe
17:40
- 17:40 - **Mandic & Harzhauser:** Long-lived lakes as laboratories of mollusk evolution: a case study from the Miocene Dinaride Lake System
18:00
- 18:00 - **Vogel:** State and results of preliminary studies and goals of ICDP deep drilling at Lake Ohrid: The SCOPSCO initiative
18:20
- 18:20 - **Rasser:** Planorbid Steinheim snails reviewed:
18:40 evolutionary triggers in a fossil, long-lived lake (Miocene, S' Germany)
- 19:00 – Icebreaker party: snacks and drinks**
22:00

Tuesday - 8 September, 2009

MOLARCH

Chair - Haffner

- 09:00 - 09:20 **Verheyen:** Molecular archives of climatic history: exploring patterns of genomic differentiation in endemic species radiations of ancient lakes (MOLARCH)
- 09:20 - 09:40 **Poux:** Towards a comprehensive evolutionary history of the endemic cottoid species flock from Lake Baikal (Siberia)
- 09:40 - 10:00 **Daneliya:** Genetic diversification in shallow- and deepwater amphipod crustaceans of Lake Baikal
- 10:00 - 10:20 **Sherbakov:** Possible genetic mechanisms of accelerated diversification in species flocks
- 10:20 - 11:00 Coffee Break**
- 11:00 - 11:20 **Nevado (Verheyen):** Demographic histories of selected cichlid species from Lake Tanganyika
- 11:20 - 12:00 **Mautner & Sturmbauer:** Effects of climate change on population structure and genetic diversity of Lake Tanganyika cichlids
- 11:40 - 12:00 **Irvine:** Distribution and a putative phylogeny of the atyid shrimps of Lake Tanganyika
- 12:00 - 14:00 Lunch break**
- 14:00 - 14:20 **Michel:** MolArch molluscs and the *Lavigeria* legacy: How accurately do gastropod population genetics reflect paleogeography of Tanganyika's shoreline?
- 14:20 - 14:40 **Martens (Poux):** Complete lineage segregation in ostracods (Crustacea, Ostracoda) from Lake Tanganyika (Africa)
- 14:40 - 15:00 **Verheyen:** Concluding remarks
- 15:00 - 15:20 Coffee break**

From Diatoms to Vertebrates

Chair - Väinölä

- 15:20 - 15:40 **Miyazaki:** Use of bio-logging systems to understand diving behavior of Baikal seals, Lake Baikal

- 15:40 - 16:00 **Ruck:** Phylogenetic relationships of Lake Ohrid Surirellaceae taxa
- 16:00 - 16:20 **Levkov:** Endemism and cosmopolitanism in diatoms from the large lakes:
A case study of *Amphora* (Bacillariophyceae)
- 17:00 - 19:30 **Poster session**
- 19:30 **Macedonian Night**

Wednesday - 9 September, 2009

Optional excursion

(60 Euro including lunch bag)

Cruising Lake Ohrid from Ohrid to St. Naum monastery, bus tour to Lake Prespa and Kurbinovo Monastery, return to Ohrid by bus.

Thursday - 10 September, 2009

Invertebrates

Chair - Cohen

- 09:00 - 09:40 **Timoshkin:** Modern enigmas of ancient Lake Baikal
- 09:40 - 10:00 **Wilke:** Evolutionary history of ancient Lake Titicaca: Lessons from the
Heleobia species flock (Gastropoda: Rissoidae)
- 10:00 - 10:20 **Kamermans & Donohue:** Feeding preferences and feeding appendage
morphology of endemic shrimp from Lake Tanganyika, East Africa
- 10:20 - 10:40 **Schultheiß:** Concordant patterns of gastropod evolution in Lake Malawi
- 10:40 - 11:00 **Grygier:** Potential endemics among protists, helminths, and crustaceans
in Lake Biwa, Japan
- 11:00 - 11:20 **Coffee Break**
- 11:20 - 11:40 **Rintelen & Glaubrecht:** Gastropod diversification in the ancient lakes
of Sulawesi: a key role for trophic morphology
- 11:40 - 12:00 **Kolbinger:** Nuclear molecular diversity and morphometry of freshwater
crabs from the Malili lakes (Sulawesi, Indonesia)

- 12:00 - 12:20 **Kuzmenkova:** Microsporidian parasites of *Gmelinoides fasciatus* (Stebbing) in Lake Baikal, Siberia: possible mechanism of parasite driven host speciation
- 12:20 - 12:40 **Semiturkina:** First data on biology of shallow-water Spongillidae from Lake Baikal
- 12:40 - 13:00 **Tikhonova:** The morphological variability of *Pallasea cancellus* (PALLAS, 1772) (Crustacea: Amphipoda) from Lake Baikal and the Angara river
- 13:00 - 14:00 Lunch break**

Cichlids

Chair – von Rintelen

- 14:00 - 14:40 **Meyer:** 20 years of molecular work on cichlid fishes: what have we learned so far and what's next?
- 14:40 - 15:00 **Koblmüller:** Tanganyika cichlid fishes: species-specific patterns of population structure across a large sandy bay and along continuous rocky habitat
- 15:00 - 15:20 **Sturmbauer:** The role of natural selection in speciation – data from African cichlid fishes
- 15:20 - 15:40 **Maderbacher (Sturmbauer):** Morphological distinctness despite large-scale phenotypic plasticity – Analysis of wild and pond-bred juveniles of allopatric populations of *Tropheus moorii*
- 15:40 - 16:40 Coffee break**

Ecology and Conservation

Chair - Timoshkin

- 16:40 - 17:00 **Haffner:** Do geochemical processes regulate speciation and distribution patterns of endemic species in the Malili Lakes of Sulawesi Island, Indonesia?
- 17:00 - 17:20 **Kawanabe:** Effects of land-water ecotone degradation on biological diversity in Lake Biwa, and its conservation/restoration movements and plans by people and local government

- 17:20 - 17:40 **Sket:** Direct evidence of some possible ecological barriers in an ancient lake (Ohridsko ezero, Macedonia)
- 17:40 - 18:00 **Peretolchina:** The history of changing ecological niches during speciation in endemic mollusks of genus *Baicalia*
- 19:00 - 24:00 Farewell Dinner Momir Taverna**

Friday - 11 September, 2009

- 09:00 - 11:00 **Plenary session**
- 11:30 - 14:00 Lunch break**
- 14:00 - 16:00 Free guided tour through old town Ohrid