

Program

Thursday, 8.12.2022

Location: Saalastinsali



First Session with keynote speaker Dr. Lenka Kuglerova

Chair: *Dr. Kaisa-Leena Huttunen*

9:00 Opening words by *Prof. Heikki Helanterä*

9:05 **Interaction between forestry and water: riparian forests and riparian buffer zones,**
Dr. Lenka Kuglerova, Swedish University of Agricultural Sciences

10:05 Browning alters food-webs and leads to biodiversity loss in riverine ecosystems,
Dr. Jussi Jyväsjärvi, University of Oulu

10:30 DOC Transport Processes in a subarctic headwater stream revealed by multi-year high-resolution measurements, *Dr. Danny Croghan, University of Oulu*

Coffee Break

11:00 From thaw till fall: interacting hydrology, greenhouse gas fluxes and carbon cycle in Arctic stream-lake continuum, *Dr. Kaisa-Riikka Mustonen, University of Oulu*

11:20 Geodiversity in biodiversity research and conservation, *Maija Toivanen, University of Oulu*

11:40 Microbial rarity in stream networks: different assembly processes in the rare vs. common biosphere?
Jacqueline Malazarte, University of Oulu

Lunch Break

Second session with keynote speaker Dr. Jukka Salmela

Chair: *Dr. Olli Loukola*

13:30 **How one became three - a taxonomic tale,**
Dr. Jukka Salmela, Regional Museum of Lapland

14:30 Towards sawfly-literacy: A book and DNA reference library for North European sawflies,
Dr. Marko Mutanen, University of Oulu

14:50 Evolutionary history of European Agriades: Implications for taxonomy and conservation,
Nok Ting Lam, University of Oulu

Coffee Break

15:30 In situ biodiversity monitoring with nanopore, *Dr. Stefan Prost, University of Oulu*

15:50 Population genetics of Eurasian golden eagles, *Ekaterina Karabanina, University of Oulu*

16:10 Modelling golden eagle (*Aquila chrysaetos*) and white-tailed eagle (*Haliaeetus albicilla*) habitat selection and flight activity for safer wind farm planning,
Hannu Tikkainen, University of Oulu

Workshop in room B123

17:30 Miniature sequencing devices by Oxford Nanopore Technologies (ONT),
Dr. Stefan Prost and Dr. Marko Prous, University of Oulu

Friday, 9.12.2022

Location: Saalastinsali

Third session with keynote speaker Dr. Sivi Ruuskanen

Chair: Dr. Veli-Matti Pakanen

- 9:00 **Maternal effects and offspring phenotype in birds: understanding the mechanisms?**,
Dr. Sivi Ruuskanen, University of Jyväskylä

- 10:00 Life-history dependent phenotypic plasticity in growth and human-induced selection,
Dr. Nico Alioravainen, Natural Resources Institute Finland (LUKE)

Coffee break

- 10:40 Extended phenotypes as mediators of transfer of relational concepts between species,
Reetta Hämäläinen, University of Oulu

- 11:10 Effects of forest management on the spatial distribution of the willow tit (*Poecile montanus*),
Satu Kumpula, University of Oulu

- 11:30 Species delimitation in a Parapatric pair of *Saturnia* moths as revealed by Target Enrichment,
Maria Khan, University of Oulu

Lunch Break

Fourth session with keynote speaker Dr. Marina Semchenko

Chair: Dr. Annamari Markkola

- 13:30 **Plant functional traits and rhizosphere processes: from global patterns to local interactions and evolution**,
Dr. Marina Semchenko, University of Tartu

- 14:30 Nitrogen addition and warming modulate the pathogen impact on plant biomass,
Xuebin Yan, University of Oulu

- 14:50 Meristem-colonizing endosymbiont bacteria promoting host plant growth,
Habibollah Parast Tabas, University of Oulu

Coffee Break

- 15:20 Temporal changes in boreal vegetation under 70 years of conservation,
Lauralotta Muurinen, University of Oulu

- 15:40 Summer habitats of wild forest reindeer (*Rangifer tarandus fennicus*) in Finland – a preliminary predictive model,
Dr. Antti Paasivaara, Natural Resources Institute Finland (LUKE)

- 16:00 Boreal moth biomass is either stable or increasing in time depending on key life-history traits,
Mahtab Yazdanian, University of Oulu

- 16:20 Closing words by Prof. Jouni Aspi
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- 18:00 **Afterparty at the Botanical gardens**