

# Kaamos symposium 2021

## Program

Zoom link: <https://oulu.zoom.us/j/67399406891>

**Wednesday, 8.12.2021**

### MORNING SESSION

Chair: Doc. Laura Kvist

**9:00 - 9:10** Opening words, **Prof. Jouni Aspi**

**9:10 - 10:10 Keynote: Senior advisor Tuomo Ollila** *Metsähallitus (Forest and Park Service), Our role in wildlife conservation & monitoring of wildlife*

**10:10 - 10:30** Coffee break

**10:30 - 10:50 Monika Faltusova** *Step-length parameter in movement analysis: improvement based on the dead-reckoning in combination with GPS telemetry*

**10:50 - 11:10 Astrid Olejarz** *Increased nocturnal activity of wild boars in the Czech Republic during the first COVID-19 lockdown*

**11:10 - 11:30 Hannah Othen** *Application of ground penetrating radar (GPR) in studies of burrow systems of fossorial mammals*

**11.30 - 12.30** Lunch break

### AFTERNOON SESSION

Chair: Doc. Sami Kivelä

**12:30 - 13:30 Keynote: Prof. Phillip C. Watts** *How does environment variation shape wildlife microbiota?*

**13:30 - 13:50 Ilze Brila** *Infection and coinfection status and identity of four systemic pathogens are associated with shifts in gut microbiota of wild bank voles*

**13:50 - 14:10** Coffee break

**14:10- 14:50 Dr. Stefan Lambert** *Using a multi-omics approach to investigate the cycling of arsenic and antimony in Northern peatland soils*

**14:50 - 15:10 Kevin Lyons** *Assessment of microbial and physicochemical risks affecting the quality of potable water supplied by shallow groundwater wells in Finland*

**15:10 - 15:50 Dr. Katharina Kujala** *Enrichment of Hormone-Degrading Microorganism with Potential Bioengineering Applications in Small-Scale Wastewater Treatment Systems*

**15:50 - 16:10 Francisca Prieto Fernandez** *Searching for pollutant recycler microbes in mining waste*

**Thursday, 9.12.2021**

**MORNING SESSION**

**Chair: Doc. Lumi Viljakainen**

**9:00 - 9:10** Opening words, chair of the Kaamos committee 2021 **Mahtab Yazdanian**

**9:10 - 10:10 Keynote: Prof. Dominic Wright** *Feralisation as a model for evolution in the chicken*

**10:10 - 10:30** Coffee break

**10:30 - 10:50 Mukta Joshi** *Comparison of utility of target enrichment and ddRAD in species delimitation: A test in admixing parapatric *Melitaea* butterflies*

**10:50 - 11:10 Jacqueline Malazarte** *Bacteria in streams: do network position and season matter?*

**11:10 - 11:30 Hanna Algora** *Nest distribution in relation to male leks in ruffs (*Calidris pugnax*)*

**11:30 - 11:50 Anna Kretova** *Settlement decision and reproductive strategy choice in response to conspecific attraction: a case study with Wood warblers *Phylloscopus sibilatrix**

**11:50 - 13:00** Lunch break

**AFTERNOON SESSION**

**Chair: Doc. Veli-Matti Pakanen**

**13:00 - 14:00 Keynote: Dr. Aleksi Lehikoinen** *Impact of climate change on northern bird populations*

**14:00 - 14:20 Joanna Brüsecke** *A bug's life in dark waters: how stream macroinvertebrates react to a browning world*

**14:20 - 14:40** Coffee break

**14:40 - 15:00 Jacob Pavlin** *Dendroecological perspective on tree growth patterns across a gradient of shade tolerance in primary temperate forests of Europe*

**15:00 - 15:20 Lauralotta Muurinen** *Trait responses and long-term diversity changes in herb-rich forests under global change*

**15:20 - 16:00 Dr. Tiina Väre** *Breastfeeding in 19th century Southwestern Finland according to  $\delta^{15}\text{N}$  and  $\delta^{13}\text{C}$  values in horizontally cut dentin segments of archaeological first permanent molars*

**16:00 - 16:20** Closing words and a special talk by **Prof. emeritus, Dr. Esa Hohtola**

**Friday, 10.12.2021**

**WORKSHOP**

**Introduction to Finnish common bird monitoring data and example analyses using R**

Time: 9:00 - 12:00

Location: **online in Zoom** <https://oulu.zoom.us/j/67131707902>

Instructor: **Dr. Aleksi Lehikoinen**, Senior curator of Monitoring team, The Helsinki Lab of Ornithology, Finnish Museum of Natural History, University of Helsinki

The workshop will be an introduction to the data types of the breeding bird monitoring schemes of line transects and point counts as well as winter bird surveys. Dr. Lehikoinen will explain how to calculate population trends of species during winter and breeding season and shifts in species center of gravity. Also, brief examples how the data has been used earlier will be given. All the analyses will be conducted in R. No previous experience in R is needed, but basic skills will be useful.

**POSTER SESSION, 8-10.12.2021**

Posters will be displayed at the Ecology and Genetics research unit coffee room (J-exit, 2<sup>nd</sup> floor, Linnanmaa campus, University of Oulu) during the three days of the event.



© Mahdi Aminikhah