



The 28th Kaamos Symposium

Program

4th and 5th December 2024

University of Oulu



Wednesday 4th December, Tellus Backstage

Morning session

Chair: **Heikki Helanterä**

9:00-9:10 Opening words, **Heikki Helanterä**, Head of Unit

9:10-10:10 Keynote: **Mikkel Pedersen** Ancient Environmental DNA - A window into million-year-old ecosystems

10:10-10:40 Medium talk: **Johanna Honka** Deciphering origins and caretaking of Northern horses

10:40-11:00 Coffee break

11:00-11:20 Short talk: **Niina Kiljunen** Gall midge diversity in the light of DNA

11:20-11:40 Short talk: **Robert Kesälahti** Genomic Imprinting in Scots pine (*Pinus sylvestris*)

11:40-12:00 Short talk: **Maria Khan** Addressing Challenges in Species Delimitation: Genomic Solutions for Cases of Barcode Sharing

12:00-12:20 Short talk: **Soile Jokipii-Lukkari** Novel heartwood formation associated *NAC*

12:20-13:00 Lunch break

Afternoon session

Chair: **Jouni Aspi**

13:00-14:00 Keynote: **Sujeet Singh** Conservation genetics of threatened vertebrates in India

14:00-14:20 Short talk: **Tamara Hiltunen** Beyond the Eye: What Atoms and Satellites Reveal About Reindeer Foraging Patterns

14:20-14:40 Coffee break

14:40-15:00 Short talk: **Erika Sininärhi** Physiology of personality: Prenatal androgen exposure is connected to social rank and boldness in the banded mongoose (*Mungos mungo*)

15:00-15:20 Short talk: **Antti Pöllänen** Seasonal and regional variation in Finnish forest reindeer survival: Impacts of predation and winter weather

15:20-15:40 Short talk: **Lucy Cotgrove** Exploring Thermal Physiology and Aerobic Scope in Salmon Juveniles Amidst Heatwaves

15:40-16:10 Medium talk: **Alina Niskanen** Inbreeding genomics and inbreeding depression in the Finnish grey wolf

16:10-16:40 Coffee break

16:40-18:10 Workshop: **Phillip Downing** The five big steps for the perfect meta-analysis

There will be computer exercises done in groups as part of the workshop so please bring a laptop or group up with someone with a laptop.

Thursday 5th December, Tellus Backstage

Morning session

Chair: **Olli Loukola**

9:00-10:00 Keynote: **Elisabetta Versace** Soft ideas: from physics to evolution and development

10:00-10:30 Medium talk: **Justus Reunanen** Maternal microbiota communicates with the fetus through bacterial extracellular vesicles

10:30-10:50 Coffee break

10:50-11:10 Short talk: **Elisa Heilmann** Microbiome of the common reed in relation to metal accumulation

11:10-11:30 Short talk: **Jelena Belojevic** Moving, but not prospering: Breeding dispersal in southern dunlins (*Calidris alpina schinzii*)

11:30-11:50 Short talk: **Oona Leppiniemi** Statistical modelling of palsas and peat plateaus across the Northern Hemisphere

11:50-13:00 Lunch break

Afternoon session

Chair: **Maximilian Schrade**

13:00-14:00 Keynote: **Autun Purser** Deep Sea Life under permanent ice cover

14:00-14:30 Medium talk: **Virpi Pajunen** Biogeography of small things – diatoms under environmental change

14:30-14:50 Coffee break

14:50-15:20 Medium talk: **Sami Kivelä** Evolution in urban environments in Lepidoptera

15:20-15:40 Short talk: **Paula Palanco Lopez** Human-microbial relationships in alternative agriculture: context, processes and dynamics

15:40-16:10 Short talk: **Tracy Hruska** Lessons for Surviving (and even Leading) Multidisciplinary and Multi-Partner Research Projects

16:10-16:20 Closing words

Poster Session/Botanical Garden Party

18:00-24:00 Poster Session and Botanical Garden Party simultaneously