



**CEES Annual Student Conference**  
**Holmenkollen Park Hotell, Saga C**

**Holmenkollen, Norway**

**25–26 September 2017**

**CEES**

Centre for Ecological and Evolutionary Synthesis

**Organising committee**

CEES administration, [cees-post@ibv.uio.no](mailto:cees-post@ibv.uio.no), (+47) 22 85 44 00

Ane Mari Bjørnæs, [a.m.bjornas@ibv.uio.no](mailto:a.m.bjornas@ibv.uio.no) (+47) 99 47 14 84

START

# Monday 25<sup>th</sup> of September

08:30 Buses depart Blindern (Prestegårdsveien, behind the Kristine Bonnevie Building)

09:30–09:35 Chair & Prof. **Nils Chr. Stenseth**. Welcome!

09:35–09:45 Res. **Anders Nielsen**. Introduction (abstracts pages 13-15)

09:45-09:50 MSc student **Pawel Kolano**. Effects of neonicotinoids on bumblebee hive development and behavior

09:50–10:00 MSc student **Lisa Lunde Fagerli**. Plant-pollinator interactions in northern Norway

10:00-10:10 MSc student **Linn Vassvik**. Consequences of disrupted plant-pollinator interactions

10:10-10:15 Prof. **Anne K. Brysting**. Introduction (abstracts pages 16-20)

10:15-10:20 MSc student **Eirin Bruholt**. The systematic relationships of the North Atlantic and Atlantic Cochlearia L. taxa

10:20-10:30 PhD student **Ida Marie Johannessen**. The effect of gene and genome dosage on hybridization barriers in *Arabidopsis lyrata* and *Arabidopsis arenosa*

10:30-10:40 Postdoc. **Stefaniya Kamenova**. REININ project: Reindeer interactions from plants and birds to humans: Balancing the odds of climate change

10:40-10:50 MSc student **Pernille Meyer**. Identification of seasonal changes in diet of the Svalbard Reindeer (*Rangifer tarandus platyrhynchus*) and validation of DNA metabarcoding as a tool for diet analysis

10:50-10:55 MSc student **Lilja Steinhorsdottir**. Investigating trophic interactions among arctic herbivorous species in a rapidly changing Arctic tundra using DNA metabarcoding and microhistology

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11:00-11:25 *Break, morning buffet*

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11:30-11 :35 Res. **Boris V. Schmid**. Introduction (abstracts pages 21-24)

11:35–11:45 PhD student **Katharine Rose Dean**. Epidemiological analysis of an outbreak of plague in Glasgow in 1900.

11:45–11:55 PhD student **Pernille Nilsson**. Burrowing for clues to great gerbil plague resistance.

- 11:55-12:00 Research assistant **Maunya Doroudi Moghadam**. Plague Ecosystem Resilience to Intervention
- 12:00-12:10 Res. **Amine Namouchi**. Revisiting the evolutionary history of *Yersinia pestis*: Zooming into the second pandemic with new ancient genomes
- 12:10–12:15 Prof. **Atle Mysterud**. Introduction (abstracts pages 25-26)
- 12:15-12:25 MSc student **Fredrik Munkelien**. The distribution of small mammals and its relationship with ticks in two coastal areas of Norway through a population cycle
- 12:25-12:35 Research assistant **Jessica Michel**. The trans-generational impact of population density signals on host-parasite interactions
- 12:35-12:40 Associate Prof. **Lee Hsiang Liow**. Introduction (abstracts pages 27-33)
- 12:40-12:50 MSc student **Marianne Nilsen Haugen**. Bryozoa as a model for the study of metazoan evolution.
- 12:50-13:00 MSc student **Jonas Solnørdal Nærø**. Bryozoan growth rates and life histories in the Arctic marine environment
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- 13:00–13:10 *Group photo*
- 13:10–14:10 *Lunch*
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- 14:15-14:25 PhD student **Franziska Franeck**. Applying capture- recapture approaches to infer diversification rates of marine invertebrates in two disparate palaeocontinents
- 14:25-14:35 Postdoc. **Jacqueline Sztepanacz**. Estimating the effect size distribution of genes underlying quantitative traits
- 14:35-14:45 PhD student **Christine Mayer**. Evolvability and robustness in models of pattern formation
- 14:45-14:55 PhD student **Olja Toljagic**. Fossil teeth in African savannah tell the story of adaptation
- 14:55-15:05 MSc. **Bjørn Tore Kopperud**. Artiodactyl brain-size evolution
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- 15:05-15:30 *Break, afternoon buffet – check-in*
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- 15:30-15:40 Prof. **Kjetill S. Jakobsen**. Introduction (abstracts pages 34-41)
- 15:40-15:50 PhD student **Even Sannes Riiser**. Intestinal microbiome of two Atlantic cod ecotypes along the Norwegian coast uncovered by metagenomic shotgun sequencing.

- 15:50-16:00 PhD student **Helle Tessand Baalsrud**. Whole genome sequencing reveals de novo gene evolution of antifreeze glycoproteins in codfishes
- 16:00-16:10 PhD student **William B. Reinár**. Short tandem repeat length variation in *Arabidopsis thaliana* genomes
- 16:10-16:20 PhD student **Srinidhi Varadharajan**. Selection on gene duplicates following whole genome duplication: What do we learn from salmonid genomes?
- 16:20-16:30 PhD student **Rebekah A. Oomen**. Genetic and environmental drivers of gene expression in Atlantic cod
- 16:30-16:40 PhD student **Cecilia Helmersen**. Through time and climate change - SNP variation in Northeast arctic cod throughout and beyond the 20th Century
- 16:40-16:50 Postdoc. **Monica H. Solbakken**. Functional comparative immunology – Atlantic cod and beyond
- 16:50-17:00 PhD student **Albína Hulda Pálsdóttir**. The Archaeogenomics of Viking sheep: Project update

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19:00 *Dinner, Saga A+B*

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# Tuesday 26<sup>th</sup> of September

*Breakfast (opens at 07:00) & Check-out (by 12:00)*

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09:00-09:05 Prof. **Tore Slagsvold**. Introduction (abstracts pages 42-46)

09:05-09:15 MSc student **Lydia Fong**. Comparing the song variation of early and late arrivals of pied flycatchers (*Ficedula hypoleuca*)

09:15-09:25 MSc student **Kristian Aandstad**. Crystallization of song in the pied flycatcher (*Ficedula hypoleuca*)

09:25-09:35 MSc student **Avery MacNeish**. Variation in telomere length in blue tits in relation to age, sex, breeding success, and the telomere length of their parents

09:35-09:45 MSc student **Kristiane E. Hol**. On the “silver-spoon” effect: Telomere length in relation to rearing conditions in blue tits

09:45-09:55 MSc student **Ingvild Aabye**. Telomere length does not correlate with individual quality in a population of blue tits (*Cyanistes caeruleus*)

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10:00-10:05 Res. **Adriana Hernandez-Aguilar** et al. Introduction (abstracts pages 47-50)

10:05-10:15 PhD student **Sood A. Ndimuligo**. New evidence of well digging in savanna chimpanzees (*Pan troglodytes schweinfurthii*): Kahensa, Tanzania

10:15-10:25 PhD student **Tariku Mekonnen Gutema**. Conflict between sympatric wolf taxa in the Ethiopian highlands and its conservation implications

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10:25–10:50 *Break, morning buffet (& last chance to check out)*

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10:55–11:05 PhD student **Ejigu Alemayehu Worku**. Habitat suitability map of mountain nyala (*Tragelaphus buxtoni*) in Arsi and Ahmar Mountains, Ethiopia

11:05–11:15 PhD student **Dereje Tesfaye Delkaso**. Effects of fragmentation on the activity and ranging behavior of *Colobus guereza gallarum*

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11:15-11:25 Res. **Fabrice Eroukhanoff**. Introduction (abstracts pages 51-52)

11:25-11:35 PhD student **Angelica Cuevas**. Genomic divergence and local adaptation within a hybrid species

11:35-11:45 PhD student **Camilla Lo Cascio Sætre**. Genomic mechanisms behind colonization and range shifts

11:45-11:55 Res. **Joël Durant**. Introduction (abstracts pages 53-58)

11:55-12:05 PhD student **Marlene Wæge Stubberud**. The combined impact of harvesting and climate change in structured two-sex populations

12:05-12:15 PhD student **Leana Deriš**. Challenges in modeling herring and cod interactions in the Bayesian framework using the state-space model

12:15-12:25 PhD student **Leonie Anette Färber**. Regime shift analysis in Atlantic herring stocks

12:25-12:35 PhD student **Kaixing Dong**. Climate effects on phytoplankton blooms in the Barents Sea

12:35-12:45 PhD student **Anna-Marie Winter**. Climate, fishing and depensation: Analysing Atlantic cod's point of no return

12:45-12:55 Res. **Øystein Langangen**. Multi-decadal variations in spawning ground use in Northeast Arctic haddock

13:00-13:15 **The award committee & Chair Nils Chr. Stenseth**. Awards & closing.

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13:15 – 14:15 *Lunch*

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14:25 Buses depart from Holmenkollen Park Hotell to Blindern

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