

CEES Annual Student Conference

Holmen Fjordhotell

Storsalen

Nesbru, Norway

22–23 November 2016

CEES

Centre for Ecological and Evolutionary Synthesis

Organising committee

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START

Tuesday 22nd November

- 08:00 Busses depart Blindern (Prestegårdsveien, behind the Kristine Bonnevie Building)
- 09:00–09:05 Chair & Prof. **Nils Chr. Stenseth**. Welcome!
- 09:05–09:10 Prof. **Atle Mysterud**. Introduction (abstracts pages 13–14)
- 09:10–09:20 MSc student **Harald Linløkken**. Tick load and infection of tick-borne pathogens in small mammals
- 09:20–09:25 MSc student **Fredrik Munkelien**. The distribution of small mammals and its relationship with ticks in two coastal areas of Norway through a population cycle
- 09:25–09:30 Associate Prof. **Torbjørn H. Ergon**. Introduction (abstracts pages 15–16)
- 09:30–09:35 MSc student **Magnus N. Osnes**. Analyses of the population dynamics of rodents in an alpine environment
- 09:35–09:45 MSc student **Maunya Doroudi Moghadam**. Estimating animal movements from light-logger data using Bayesian State-Space modeling
- 09:45–09:50 Prof. **Asbjørn Vøllestad**. Introduction (abstract page 17)
- 09:50–10:00 MSc student **Maria N. Høydalsvik**. Population dynamics in lobster: Effects of marina protected areas
- 10:00–10:05 Res. **Anders Nielsen**. Introduction (abstracts pages 18–21)
- 10:05–10:20 MSc students **Arrian Karbassioon & Solveig Haug**. Pollinator interactions between wild raspberry and the surrounding plant community along an altitudinal gradient
- 10:20–10:25 MSc student **Lisa Lunde Fagerli**. Plant-pollinator interactions along an elevation gradient in northern Norway
- 10:25–10:35 MSc student **Ingvild Fonn Asmervik**. Pollinator activity on soybean (*Glycine max*) in Argentina
- 10:35–10:40 MSc student **Julie Sørli Paus-Knudsen**. Sublethal effects of imidacloprid, a neonicotinoid pesticide, on bumblebees
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- 10:45–11:10 *Break*
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11:10–11:15	<u>Prof. Kjetill S. Jakobsen. Introduction (abstracts pages 22–26)</u>
11:15–11:25	PhD student Even Sannes Riiser . The intestinal microbiome of Atlantic cod: A limited number of bacterial strains prevail over an extended geographical range
11:25–11:40	PhD students Jonfinn B. Knudsen & William B. Reinar . Evolutionary and functional importance of simple repeats in eukaryotic genomes
11:40–11:50	PhD student Ida Marie Johannessen . The effect of gene and genome dosage on hybridization barriers in <i>Arabidopsis lyrata</i> and <i>Arabidopsis arenosa</i>
11:50–12:00	MSc Siv Hoff . Comparative genomics by targeted capture and long read sequencing reveal dynamic evolution of hemoglobin gene clusters in codfishes
12:00–12:10	PhD student Srinidhi Varadharajan . Whole genome duplication in salmonids. What to do with all those extra, duplicated genes?
12:15–12:25	<i>Group photo</i>
12:30–13:30	<i>Lunch</i>
13:30–13:35	<u>Res. Joël M. Durant. Introduction (abstracts pages 27–36)</u>
13:35–13:45	PhD student Kaixing Dong . Bottom-up effects of phytoplankton in marine food webs
13:45–13:55	PhD student Mats Huserbråten . Escaping starvation in the Norwegian coastal current: key to contemporary recruitment success of northern North Sea cod?
13:55–14:05	PhD student Marlene Wæge Stubberud . The combined impact of harvesting and climate change in structured two-sex populations
14:05–14:15	PhD student Leonie Färber . Benefit of long distance migration
14:15–14:25	PhD student Catharina Broch . The ecological effects of temperature variability
14:25–14:35	PhD student Cecilia Helmerson . Genomic analysis of 20 th century Northeast Arctic cod <i>Gadus morhua</i> (L.)
14:35–14:45	PhD student Rebekah A. Oomen . Transcriptomic responses to environmental change in fishes: insights from RNA-seq
14:45–14:55	PhD student Leana Deriš . Quantifying the potential for predator-prey reversal between NSS herring (<i>Clupea harengus</i>) and NEA cod (<i>Gadus morhua</i>)
14:55–15:05	Postdoc. Stuart Kininmonth . Microeconomic relationships between and among fishers and traders influence the ability to respond to socio-ecological changes in a small-scale fishery
15:05–15:15	Postdoc. Rebecca E. Holt . CoDINA: Cod DIet and food web dyNAMics
15:20–15:50	<i>Break & Check-in</i>

- 15:50–15:55 Researchers **R. Adriana Hernandez-Aguilar & Anagaw Atickem**. Introduction (abstracts pages 37–44)
- 15:55–16:05 PhD student **Behailu Etana Disasa**. Effects of shade coffee plantation management on mammalian biodiversity in Ethiopia
- 16:05–16:15 PhD student **Sood A. Ndimuligo**. Vegetation structure and composition of two chimpanzee (*Pan troglodytes schweinfurthii*) savanna sites in western Tanzania
- 16:15–16:25 PhD student **Dereje Tesfaye Delkaso**. Foraging ecology *Colobus guereza gallarum* in the Ethiopian highlands and its phylogenetic relationships with the widely distributed *Colobus guereza* populations
- 16:25–16:35 MSc student **Valentina Lucia D'Adamo Rindal**. Ecological and behavioural flexibility of vervet monkeys (*Chlorocebus pygerythrus*) living in a savanna-woodland fragment near Kigoma, Tanzania
- 16:35–16:40 MSc student **Alba Motes Rodrigo**. Extraction of underground food by captive chimpanzees: Techniques and laterality
- 16:40–16:45 MSc student **Gry Anita Eriksen**. Foraging decisions and patch use in gelada monkeys (*Theropithecus gelada*) at Guassa, Ethiopia: Testing the marginal value theorem
- 16:45–16:55 PhD student **Misganaw Tamrat Gessese**. Conservation status, behavioral ecology and intraspecific divergence of the endangered hartebeest *Alcelaphus buselaphus* (*A. b. swaynei*, *A. b. tora* and *A. b. lelwel*) in Ethiopia
- 16:55–17:05 PhD student **Ejigu Alemayehu Worku**. Behavioral ecology and conservation status of the endangered mountain nyala (*Tragelaphus buxtoni*) in Arsi and Ahmar Mountains, Ethiopia
- 17:10–17:20 Kristine Bonnevie Prof. **Mikael Fortelius**.
- 17:20–17:25 Chair & Prof. **Nils Chr. Stenseth**. CEES beyond 2017.
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- 19:15 *Dinner*
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Wednesday 23rd November

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

- 09:00–09:05 Chair & Prof. **Nils Chr. Stenseth**. Introduction (abstracts pages 45–51)
- 09:05–09:15 Res. assistant **Oliver Kersten**. *Yersinia pestis* genomes from medieval Europe and Asia during the 2nd plague pandemic
- 09:15–09:25 PhD student **Meriam Guellil**. Investigating medieval plague via ancient DNA analysis: Results and challenges
- 09:25–09:30 PhD student **Albína Hulda Pálsdóttir**. The sheep and horses of the Vikings: Archaeogenomics of domesticates in the North Atlantic
- 09:30–09:40 PhD student **Pernille Nilsson**. A reference genome of great gerbil – a highly plague-resistant rodent host
- 09:40–09:50 PhD student **Katharine R. Dean**. Human ectoparasites spread plague during the Black Death and Second Pandemic
- 09:50–10:00 PhD student **Fabienne Krauer**. A modelling approach to understanding the spread of plague in Europe during the second pandemic
- 10:00–10:10 PhD student **Claudine C. Cloete**. Climate fluctuations and zoonotic diseases – The case of anthrax in Etosha National Park
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- 10:15–10:45 *Break (& last chance to check out)*
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- 10:45–10:50 Prof. **Thomas F. Hansen**. Introduction (abstracts pages 52–56)
- 10:50–11:00 Res. **Masahito Tsuboi**. Evolution of brain-body allometry: insights from a comparison across six vertebrate classes
- 11:00–11:10 MSc student **Bjørn Tore Kopperud**. Artiodactyl brain size evolution
- 11:10–11:20 PhD student **Christine Mayer**. Resolving the relationship between evolvability and robustness using Boolean Genotype-Phenotype Maps
- 11:20–11:30 PhD student **Olja Toljagić**. Diversification dynamics driven by morphological adaptations
- 11:30–11:35 MSc student **Ida Krogsgaard Svendsen**. Effects of climate change on biogeography
- 11:35–11:40 Res. **Øistein Holen**. Introduction (abstract page 57)
- 11:40–11:50 Res. **Erik Sperfeld**. Studying nutritional ecology and the evolution of inducible defences using *Daphnia* as model organism

- 11:50–11:55 Associate Prof. **Lee Hsiang Liow**. Introduction (abstracts pages 58–61)
- 11:55–12:15 MSc **Emily Enevoldsen** & MSc **Jeroen Boeve**. A new and improved bryozoan phylogeny
- 12:15–12:20 Msc student **Marianne Nilsen Haugen**. Molecular phylogeny and trait evolution of adeonid bryozoans
- 12:20–12:30 MSc **Mali H. Ramsfjell**. Is bigger better? A study of competitive abilities in bryozoan in deep time
- 12:30–12:35 MSc student **Jonas Solnørdal Nærø**. Bryozoan growth rates and life histories in the Arctic marine environment
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- 12:40–13:30 *Lunch*
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- 13:30–13:35 Prof. **Tore Slagsvold**. Introduction (abstracts pages 62–67)
- 13:35–13:40 MSc student **Emilie Mutch**. Ability to adjust breeding time to earliness of spring – a comparative study of four passerine bird species
- 13:40–13:45 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
- 13:45–13:50 MSc student **Kristiane E. Hol**. On the “silver-spoon” effect: telomere length in relation to rearing conditions in blue tits
- 13:50–13:55 MSc student **Ingvild Aabye**. Relationships between telomere length and measures of individual quality in blue tits
- 13:55–14:00 MSc student **Lydia Fong**. Comparing the song variation of early and late arrivals of juvenile pied flycatchers (*Ficedula hypoleuca*)
- 14:00–14:05 MSc student **Kristian Aandstad**. Crystallization of song in the pied flycatcher (*Ficedula hypoleuca*)
- 14:05–14:10 Res. **Fabrice Eroukhmanoff**. Introduction (abstracts pages 68–72)
- 14:10–14:20 Res. **Mark Ravinet**. Interpreting the genomic landscape of speciation: finding barriers to gene flow in genome scan data
- 14:20–14:30 PhD student **Caroline Øien Guldvog**. Genomic conflict resolution and genetic ancestry in a homoploid hybrid species
- 14:30–14:40 PhD student **Angelica Cuevas**. Genomic divergence within a hybrid species
- 14:40–14:50 PhD student **Camilla Lo Cascio Sætre**. Rapid adaptive phenotypic change following colonization of a newly restored habitat
- 14:50–14:55 MSc student **Simen Fredriksen**. The avian ejaculate-associated microbiome: inter- and intraspecific variation and the potential role of geography
- 15:00–15:15 **The award committee** & Chair **Nils Chr. Stenseth**. Awards & closing.
- 15:20 Busses depart from Holmen Fjordhotell to Blindern