

CEES Annual Student Conference
Sundvolden Hotel
Auditorium Harald Hårfagre (K2)
Dronningveien 2, Krokkleiva, Norway

14–15 October 2015

CEES

Centre for Ecological and Evolutionary Synthesis

Organising committee

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

Tore Wallem, tore.wallem@ibv.uio.no, (+47) 99 70 97 08

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

START

Wednesday 14th October

08:00 Busses depart Blindern (Prestegårdsveien, behind the Kristine Bonnevie Building)

09:15–09:20 Deputy Chair **Sissel Jentoft**. Welcome

09:20–09:25 Prof. **Anne K. Brysting**. Introduction (abstracts pages 11–12)

09:25–09:35 MSc **Annie Evankow**. Genetics of Norwegian kelp forests: Microsatellites reveal the genetic diversity, differentiation, and structure of two foundation kelp species in Norway

09:35–09:45 MSc **Luka Natassja Olsen**. Genetic structure of diploid ($2n = 12, 14$) Scurvygrasses (*Cochlearia*) with emphasis on Icelandic populations

09:45–09:55 Res. **Anders Nielsen**. Introduction (abstracts pages 13–17) & Plant-pollinator interactions and climate change

09:55–10:05 MSc student **Andreas W. Rinvoll**. Pollinator activity under climate change

10:05–10:15 Res. **Trond Reitan**. The nature of unexplained variation in flower visitation data

10:15–10:25 MSc student **Solveig Haug** & MSc student **Arrian Karbassioon**. Pollinator interactions with wild raspberry and the surrounding plant community along an altitudinal gradient

10:25–10:30 MSc student **Ingvild Fonn Asmervik**. Pollinator activity on soybean (*Glycine max*) in Argentina along a climate gradient

10:35–11:00 Break

11:00–11:05 Prof. **Helene Lampe**. Introduction (abstracts pages 18–22)

11:05–11:10 MSc student **Ellen Andersen Lønaas**. Song repertoire variation in individual male pied flycatchers

11:10–11:20 MSc student **Ingunn Solbakken**. Winter flocking titmice communities in natural versus plantation forests, a comparison

11:20–11:25 MSc student **Emilie Mutch**. Ability to adjust breeding time to earliness of spring – a comparative study of four passerine bird species

11:25–11:30 MSc student **Ingvild Aabye**. Relationships between telomere length and measure of individual quality in blue tits

11:30–11:40 MSc student **Christine Skaraas**. Personality and natal dispersal in great tits *Parus major*

- 11:40–11:45 Prof. **Glenn-Peter Sætre**. Introduction (abstracts pages 23–27)
- 11:45–11:55 PhD student **Angélica Cuevas**. Rapid evolution in a hybrid species following recent secondary contact with one of its parent species
- 11:55–12:05 PhD student **Caroline Øien Guldvog**. The repeatability of the genomic architecture in a homoploid hybrid species
- 12:05–12:10 MSc student **Mabel Katrine Trovum**. Adaptation to insularity in a hybrid and a non-hybrid species
- 12:10–12:20 Res. **Melissah Rowe**. Sperm wars: the role of bacteria in the evolution of avian ejaculates
- 12:20–12:25 MSc student **Simen Fredriksen**. The ejaculate microbiome of birds
-
- 12:30–13:35 *Lunch*
-
- 13:35–13:40 Associate Prof. **Torbjørn Ergon**. Introduction (abstracts pages 28–29)
- 13:40–13:50 PhD student **Morten Helberg**. Do climate have an impact on survival in wintering Gulls?
- 13:50–13:55 MSc student **Maunya D. Moghadam**. Estimating the animal movements from light-based data by using state-space modeling
- 13:55–14:00 Res. **Per Erik Jorde**. Introduction (abstracts pages 30–32)
- 14:00–14:10 PhD student **Mats Huserbråten**. Dynamics of fjordic dispersal
- 14:10–14:20 MSc student **Nancy Roney**. Within-spawning season temporal and individual variation of reproductive success and offspring quality in Norwegian Skagerrak coastal cod
- 14:20–14:30 PhD student **Rebekah Oomen**. The transcriptomic response of cod to temperature
- 14:30–14:35 Prof. **Asbjørn Vøllestad**. Introduction (abstracts pages 33–37)
- 14:35–14:45 PhD student **Srinidhi Varadharajan**. The grayling genome – comparative genomics of salmonids
- 14:45–14:55 MSc student **Elisabeth H. Juliussen**. Adaption to temperature in Atlantic cod (*Gadus morhua*) on a micro-geographic scale
- 14:55–15:05 MSc student **Daniela Fuchs**. Personality traits in fish – the consistency of behavior in sea trout (*Salmo trutta*) of Southern Norway
- 15:05–15:15 MSc student **Ida Kristin Mellerud**. Connectivity of Atlantic cod at the Norwegian Skagerrak coast
- 15:15–15:20 MSc student **Maria N. Høydalsvik**. Population dynamics in lobster: Effects of marine protected areas

15:25–16:00 *Break & Check-in*

16:00–16:05 Res. **Joël Durant**. Introduction (abstracts pages 38–42)

16:05–16:15 PhD student **Kristina Øie Kvile**. Disentangling the mechanisms behind climate effects on zooplankton

16:15–16:25 PhD student **Anna-Marie Winter**. Impact of fishing, climate and Allee effect on the collapse and recovery of Atlantic cod (*Gadus morhua*)

16:25–16:35 MSc student **Eirik Walle**. Investigating the effect of changes in the timing of fishing on the breeding success of a South African seabird

16:35–16:40 PhD student **Leana Deris**. Spatial distribution and natural mortality in fish stocks

16:40–16:45 PhD student **Chloe Nater**. Impacts of environmental changes, harvesting and management strategies on a size-structured population of brown trout

16:45–16:50 Res. **Eli K. Rueness**. Introduction (abstracts pages 43–45)

16:50–17:00 PhD student **Addisu Mekonnen**. Impact of habitat loss and fragmentation on the genetic diversity of the Bale monkey (*Chlorocebus djamdjamensis*) in the southern Ethiopian Highlands

17:00–17:10 MSc student **Sunniva H. Bahlk**. Can hybridization be detected between African wolves and sympatric wolf-like canids in Africa?

17:10–17:20 PhD student **Tariku Mekonnen Gutema**. The behavioural ecology of the African wolf (*Canis lupus lupaster*) in the Ethiopian highlands

17:25 Deputy Chair **Sissel Jentoft**. Closing Day 1

19:00 *Dinner*

Thursday 15th October

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

09:00–09:05 Chair **Nils Chr. Stenseth**. Welcome back!

09:05–09:15 Res. **Peter James Fashing**. Opportunities and challenges of training African graduate students abroad (abstract page 46)

09:15–09:20 Res. **Lee Hsiang Liow**. Introduction (abstracts pages 47–54)

09:20–09:30 PhD student **Olja Toljagić**. Ungulate evolution in the slow lane

09:30–09:35 MSc student **Bjørn Tore Kopperud**. The ungulate brain: A comparative analysis

09:35–09:45 PhD student **Mikkel Meyn Liljegren**. Closed-system ecology and the Red Queen: Molecular models and microbes

09:45–09:55 Res. **Meike Wortel**. The rich evolutionary dynamics of metabolic interactions: Is the Red Queen one of them?

09:55–10:05 MSc student **Mali H. Ramsfjell**. Does zooid size affect the outcome of bryozoan interactions?

10:05–10:15 MSc student **Jeroen Boeve**. Exploring uncharted territories: Building the largest cheilostome bryozoan phylogeny to date

10:15–10:25 MSc student **Emily Enevoldsen**. Microporellid evolution – a mitochondrial story

10:25–10:35 PhD student **Christine Mayer**. Genotype-Phenotype Maps: Exploring evolvability and robustness by using a multilinear framework combined with the idea of Boolean networks

10:40 **Group photo** followed by break (last chance for Check-out)

11:05–11:10 Prof. **Atle Mysterud**. Introduction (I) (abstracts pages 55–58)

11:10–11:20 MSc student **Brit Karen Vike**. Red deer migration and dietary quality: testing the role of landscape characteristics for the forage maturation hypothesis

11:20–11:30 MSc student **Ingrid Vikingsdal Seland**. The distribution of ticks and tick-borne pathogens from coast to inland in south-east Norway

11:30–11:35 MSc student **Harald Linløkken**. Tick load and infection of tick-borne pathogens in small mammals

11:35–11:45 MSc student **Caroline Skar Mjønes**. Developing a DNA-based mass spectrometry approach determining last blood meals in ticks

11:50–12:50 *Lunch*

12:50–12:55 Prof. **Atle Mysterud**. Introduction (II) (abstracts pages 59–62)

12:55–13:05 MSc student **Karoline Valseth**. Next generation sequencing on soil samples from Etosha National Park: Diversity studies of an anthrax reservoir

13:05–13:15 PhD student **Giulia Graffi**. Archaeogenetics of medieval plague: The role of the harbors in the 2nd pandemic

13:15–13:25 PhD student **Meriam Guellil**. Evolution and paths of transmission of *Yersinia pestis* during the second plague pandemic (1346 CE–18th Century) in medieval Europe

13:25–13:35 Postdoc. **Heidi Nistelberger**. Vikings as vectors

13:35–13:40 Res. **Bastiaan Star**. Introduction (abstracts pages 63–65)

13:40–13:50 MSc student **William Brynildsen**. Transposable elements in *Gadus Morhua*

13:50–14:00 Postdoc. **Xingkun Jin**. Can cod macrophages help us to understand the evolutionary plasticity of vertebrate immune systems?

14:00–14:10 PhD student **Even Sannes Riiser**. The Atlantic cod microbiome project

14:15–14:20 *Break*

14:20–14:30 Awards & closing. **The award committee & Chair Nils Chr. Stenseth**

14:30 Busses depart from Sundvolden Hotel to Blindern

15:45 Estimated arrival Blindern (Prestegårdsveien, behind the Kristine Bonnevie Building)

THE END

CEES

Centre for Ecological and Evolutionary Synthesis

mn.uio.no/cees

cees-post@ibv.uio.no