

CEES Annual Student Conference

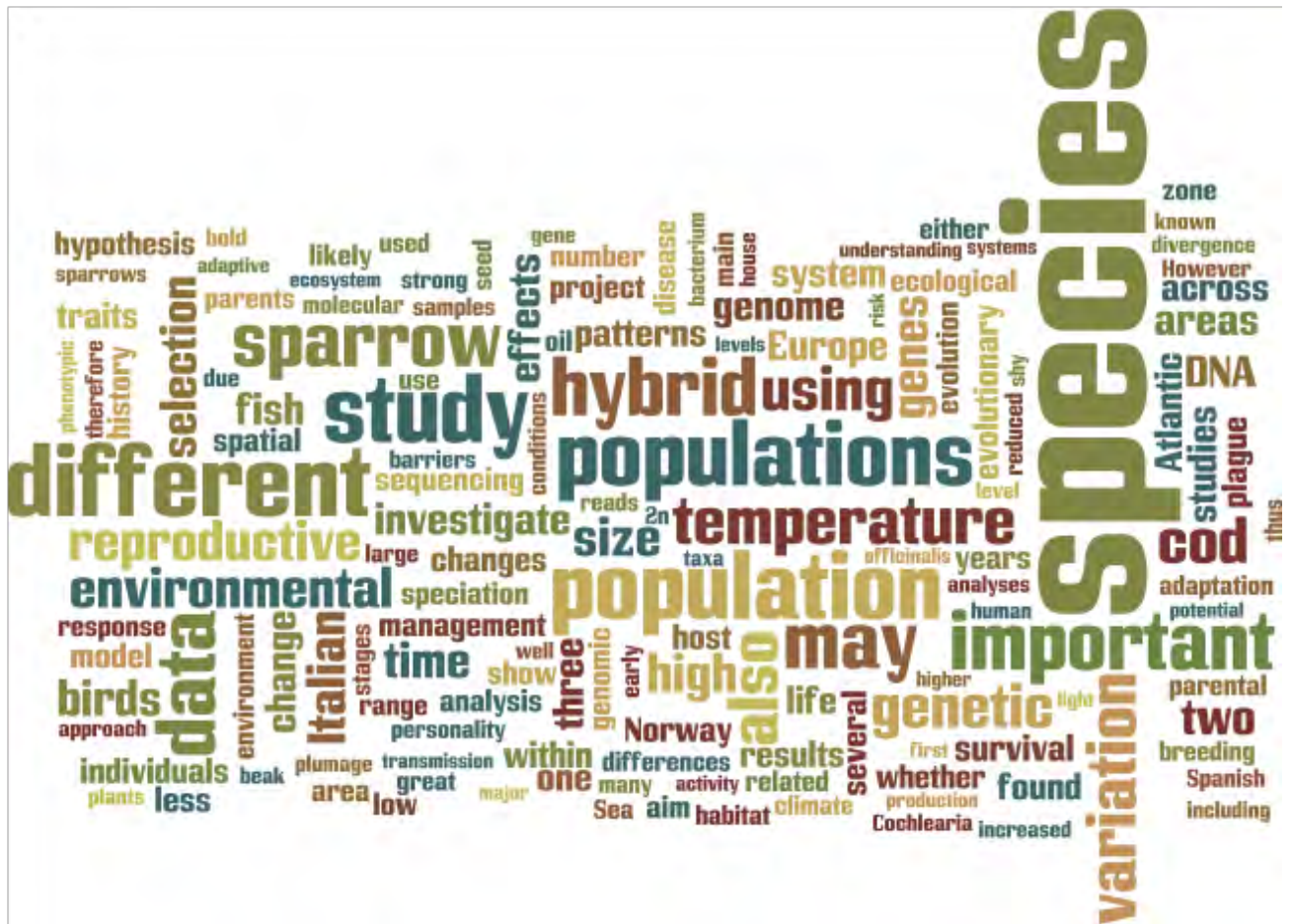
Holmen Fjordhotell

14–16 October 2013

CLES

Centre for Ecological and Evolutionary Synthesis

Program



UiO : University of Oslo



**Norwegian Centre
of Excellence**

Program for the CEES Annual Student Conference

14-16 October 2013, Holmen Fjordhotell

Monday 14th October (venue: Storsalen)

09:15 Coach departs Blindern (Prestgårdsveien, behind Kristine Bonnevie's House)

10:00-10:45 Coffee & refreshments

10:45-10:55 **Nils Chr. Stenseth.** –Welcome!

10:55-11:00 **Kjetill S Jakobsen.** –Group presentation.

11:00-11:15 **Ole K. Tørresen.** Improving the cod genome assembly: Combining assembly programs and different types of sequencing data

11:15-11:30 **Helle T. Baalsrud.** Genomic insight into the evolution of cold adaptation in teleosts: the story of hemoglobin

11:30-11:45 **Monica H. Solbakken.** Functional insight into the innate immunity of Atlantic cod

11:45-12:00 **Paul R. Berg.** Population genomics in Atlantic cod - Baltic vs. North Sea

12:00-12:15 **Bastiaan Star.** Historic whole genome analyses of Atlantic cod

12:15-12:30 **Lex Nederbragt.** Repeat after me: Is our research reproducible (enough)?

12:30-12:45 **Emiliano Trucchi.** How to use RADseq data to infer past demography in a multi-locus coalescent-based framework

12:45-13:00 **Thomas O. Sønningsen.** Epigenetic inheritance across an invasion front

13:00-14:00 Lunch

14:00-14:05 **Geir Ottersen.** –Group presentation

14:05-14:20 **Elin Sørhus.** Assessment of the long-term effects of oil exposure on early life stages of haddock using transcriptomics and fitness observations

14:20-14:35 **Jan Ohlberger.** Stochasticity and determinism: How density-independent and density-dependent processes affect population variability

- 14:35-14:50 **Øystein Langangen.** Spatial variations in mortality in pelagic early life stages of a marine fish (*Gadus morhua*)
- 14:50-15:05 **Sara Bonanomi (NorMER).** Spatiotemporal distribution and composition of mixed stock fishery of Atlantic cod (*Gadus morhua*) in West Greenlandic waters
- 15:05-15:20 **Rebekah Oomen.** Genetic variability in population responses of Atlantic cod to environmental change
- 15:20-15:35 **Kristina Ø. Kvile (NorMER).** Temperature - zooplankton associations in the Barents Sea vary on temporal, spatial and developmental scales
- 15:35-15:50 **Giovanni Romagnoni (NorMER).** Investigating the effect of Marine Protected Areas: are we ready to apply this tool?

15:50-16:20 Coffee, refreshments & Check-in

- 16:20-16:35 **Andrea Gerecht.** Temperature, but not phosphorus limitation, changes the ratio of calcite to organic carbon in *Coccolithus pelagicus*
- 16:35-16:50 **Maija Holma (NorMER).** Biological and economic reference points in the Baltic Sea salmon fisheries
- 16:50-17:05 **Emmi Nieminen (NorMER).** International Agreements of the Multispecies Baltic Sea Fisheries: A Partition Function Game Approach.

17:05-17:10 **Torbjørn Ergon.** –Group presentation.

- 17:10-17:25 **Fernando Arce.** Spatio-Temporal dynamics of small mammals at Finse: A multithethodological approach
- 17:25-17:40 **Morten Helberg.** Seabird survival in relation to climate change

17:40 **Nils Chr. Stenseth, Helle T. Baalsrud.** Roundup and information

19:00 Conference dinner (dress: nice/formal)

Tuesday 15th October (venue: Storsalen)

08:00-09:00 Breakfast

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

09:05-09:10 **Glenn-Peter Sætre.** –Group presentation

09:10-09:25 **Jo S. Hermansen.** Parental sympatry recapitulates processes involved in hybrid speciation

09:25-09:40 **Fabrice Eroukhmanoff.** The genetic mosaic of divergence in a hybrid species

09:40-09:55 **Richard I. Bailey.** Does hybridization increase adaptability?

09:55-10:10 **Maria Tesaker.** Male plumage colour and its role in reproductive isolation between House and Italian sparrows

10:10-10:15 **Lena Bache-Mathiesen.** Investigating the genetic basis of sexually selected male plumage traits involved in reproductive isolation

10:15-10:20 **Laura P. Fernández.** Geographic variation in beak morphology and the role of hybridization

10:30-11:00 Coffee & refreshments

11:00-11:05 **Caroline Ø. Guldvog.** Clock-genes, timing of breeding and reproductive isolation

11:05-11:20 **Jorunn Moksnes.** The effects of hybridization on beak morphology in sparrows

11:20-11:35 **Cassandra N. Trier.** The Genomic Landscape of A Hybrid Species

11:35-11:50 **Anna Runemark.** Evolutionary processes driving population divergence in insular populations of the Skyros wall lizard

11:50-11:55 **Tore Slagsvold.** –Group presentation.

11:55-12:00 **Tina Ø. Stræte.** Significance of rearing conditions for personality later in life: a field study of great tits *Parus major*

12:05-12:10 **Camilla Thorsteinsen.** Winter survival and reproductive success in great tits in relation to individual personality

- 12:10-12:15 **Anne E. Ivarsen.** Does brain size affect survival and reproductive success in a wild population of great tits *Parus major*?
- 12:15-12:30 **Sofia Anderholm.** Nest parasitism and relatedness in the barnacle goose
- 12:30-12:35 **Dag O. Hessen.** –Group presentation
- 12:35-12:50 **Jan-Erik Thrane.** Effects of light intensity on the optimal nitrogen:phosphorus ratio in phytoplankton
- 12:50-12:55 **Lars F. Skau.** Study on how the growth rate, genome- and cell-size are affected by temperature and differences in phosphorus levels in different algae
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- 13:00-14:00 Lunch
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- 14:00-14:05 **Atle Mysterud.** –Group presentation
- 14:05-14:20 **Lars Qviller.** Phenology of tick questing activity at differing altitudes in western Norway
- 14:20-14:35 **Jørgen Norum.** Habitat use by roe deer (*Capreolus capreolus*) in presence of two predators with contrasting hunting style: How to behave in a multipredator setting?
- 14:35-14:40 **Ragna Byrkjeland.** The role of rodents as hosts for ticks and tick-borne diseases in a northern forest ecosystem
- 14:40-14:45 **Camilla Nesbø.** –Group presentation
- 14:45-15:00 **Stephen Pollo.** Temperature adaptation in the Thermotogales Bacterium *Kosmotoga olearia*
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- 15:00-15:15 Group Photo
- 15:15-15:45 Coffee & refreshments
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- 15:45-15:50 **Asbjørn Vøllestad.** –Group presentation
- 15:50-16:05 **Anna Mazzarella.** Looking for genomic signatures of platelessness in the threespine stickleback (*Gasterosteus aculeatus*)

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| 16:05-16:20 | Benjamin Hanssen. The life history of corkwing wrasse: effects of harvesting |
| 16:20-16:35 | Truls H. Hansson. Phenotypic Plasticity in threespined stickleback (<i>G. aculeatus</i>) |
| 16:35-16:50 | Elisabeth Wiig. Variation in bone armour of three-spine stickleback |
| 16:50-17:05 | Ane S. Kvinge. Evolution of early development in grayling, <i>Thymallus thymallus</i> |
| 17:05-17:10 | Casper Van Leeuwen. Effects of dispersal barriers on migratory fish populations |
| 17:10 | Nils Chr. Stenseth, Helle T. Baalsrud. Roundup and information |
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| 19:00 | Conference dinner (dress: nice/formal) |
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Wednesday 16th October (venue: Storsalen)

08:00-09:00 Breakfast

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

09:00-09:05 **Nils Chr. Stenseth.** –Colloquium 3

09:05-09:20 **Barbara Bramanti.** MedPlag (2013-18): The medieval plagues: ecology, transmission modalities and routes of the infections – an ERC Advanced Grant

09:20-09:35 **Stephanie Hänsch.** Historic Plagues: Analysis of historic *Yersinia pestis* strains with aDNA techniques – from short DNA fragments to evolutionary genetics of the plague pathogen(s)

09:35-09:50 **Boris V. Schmid.** The climate pulse of Asia: the Black Death and the successive plague epidemics in Europe

09:50-09:55 **Pernille Nilsson.** Evolution of the host immunity and immune responses to plague (*Yersinia pestis*) – a case study of the great gerbil

09:55-10:00 **Katharine Dean.** Modelling plague transmission within medieval European cities

10:00-10:15 **Kyrre Kausrud.** A life history approach to zoonoses and climate fluctuations; a case study of anthrax in a natural system

10:15-10:20 **Anders B. Aas.** The role of *B. anthracis* in the soil microbiome

10:20-10:25 **Karoline Valseth.** Next Generation Sequencing on soil samples from Etosha National Park: Diversity studies of an anthrax reservoir

10:30-11:00 Coffee & refreshments

11:00-11:10 **Nils Chr. Stenseth.** –Colloquium 4

11:10-11:25 **Kjetil Voje.** The Red Queen is dead, long live the Red Queen?

11:25-11:40 **Mikkel M. Liljegren.** Closed-system ecology and the Red Queen: Using microbial cultures to create modelling systems for long-term competitive coevolution

11:40-11:55 **Barbara Fischer.** Allometry and childbirth in humans

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| 11:55-12:10 | Olja Toljagic. The Triassic/Jurassic mass extinction as trigger for the Mesozoic radiation of crocodylomorphs |
| 12:10-12:25 | Lee Hsiang Liow and Thomas F. Hansen. The Macroevolution Group: monkeys, horses, moss- and other animals (and plants) |
| 12:25-12:30 | Anne.K.Brysting. –Group presentation |
| 12:30-12:45 | Ola Westengen. Modern maize varieties going local in the semi-arid zone in Tanzania: Implications for adaptation to climate change |
| 12:45-13:00 | Marie K. Brandrud. Polyploidy and ecotype variation in the <i>Cochlearia officinalis</i> complex |
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| 13:00-14:00 | Lunch |
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| 14:00-14:05 | Luka Olsen. Icelandic Cochlearia (Scurvygrasses) – arctic or European, or both? |
| 14:05-14:15 | Annie Evankow. Kelp population genetics along a light and temperature gradient |
| 14:15-14:20 | Eivind L. Nitter. Effects of sheep grazing on bumblebee abundance in an alpine ecosystem |
| 14:20-14:25 | Beyene Cherie Enawgaw. Transfrontier Migration Pattern, Habitat Requirement and Conservation of the white-eared kob (<i>Kobus kob leucotis</i>) in the Gambella-Boma Landscape |
| 14:25-14:40 | Berihun G Mewicha. DNA metabarcoding analysis of diet composition and diet overlap between Walia ibex (<i>Capra walie</i>) and domestic goat (<i>C. hircus</i>) |
| 14:40-14:55 | Sood Athumani Ndimuligo. Status of Savanna Chimpanzees (<i>Pan troglodytes</i>) in Western Tanzania |
| 14:55-15:00 | Sunniva H. Bahlk. Can hybridization be detected between African wolves and sympatric wolf-like canids in Ethiopia? |
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| 15:00-15:30 | Awards & Closure |
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| 16:00 | Coach departs from Holmen Fjordhotell to Blindern |