

CIGENE seminar schedule – Spring 2018

Wednesday February 7th

Speaker: Fabian Grammes
Researcher, CIGENE, NMBU

Title: Epigenomic impact on sea lice resistance in Atlantic salmon

Wednesday 21st February:

TBA

***** Thursday March 8th:**

Susan McCouch

Cornell University, College of Agriculture and Life Sciences

Topic: Rice genetics and genomics

Time/place: 9.15/?

Wednesday March 21st:

Ola Westengen:

Associate prof. NMBU

Title: Crops and cultures – a co-evolutionary perspective on domestication

Wednesday 4th of April:

Speaker: Prof. Yves Van de Peer,

Department of Plant Biotechnology and Bioinformatics, Ghent University,

Title: The evolutionary significance of polyploidy

Abstract: Polyploidy, or the duplication of entire genomes, has been observed in prokaryotic and eukaryotic organisms, and in somatic and germ cells. The consequences of polyploidization are complex and variable, and they differ greatly between systems (clonal or non-clonal) and species, but the process has often been considered to be an evolutionary 'dead end'. Here, we review the accumulating evidence that correlates polyploidization with environmental change or stress, and that has led to an increased recognition of its short-term adaptive potential. In addition, we discuss how, once polyploidy has been established, the unique retention profile of duplicated genes following whole-genome duplication might explain key longer-term evolutionary transitions and a general increase in biological complexity.

Wednesday 11th of April:

TBA

Wednesday 25th of April:

Speaker: Gustav Vaaje-Kolstad

Title: TBA – “Proteomic properties of the Atlantic salmon skin-mucus and its microbiota”

Wednesday 9th of May:

Speaker: Prof. Jorge Manuel de Oliveria Fernandes

Professor in Genomics and Molecular Biology, Nord University

Title: Growth-related epigenetic changes during domestication of Nile tilapia

Wednesday 23rd of May:

Speaker: Richard Bischof

Title: TBA – something on application of DNA-based information in ecology