

## Annual meeting 28-30th of October 2015 Rosendal fjordhotel

### Wednesday 28th October

- 18:25 Arrivals to Rosendal by the Hardanger Express boat  
(departure from Strandkaien 16:30 / Bergen airport 16:45)
- 19:30-20:00 Kick-off opening of NORBIS
- 20:00- *DINNER*

### Thursday 29th October

- 08:00-09:00 *BREAKFAST*
- MORNING SESSION** (Chair: Manuela Zucknick)
- 09:00-09:30 **Introduction to NORBIS** by Inge Jonassen
- 09:30-10:20 **The role of PhDs in the Norwegian Research System** by Kyrre Lekve
- 10:20-10:40 *BREAK*
- 10:40-12:00 **Group work**
- 12:00-13:00 *LUNCH*
- AFTERNOON SESSION** (Chair: Martin Jakt)
- 13:00-13:50 **Horizontal Gene Transfer in Animals and Data Integration with InterMine** by Gos Micklem
- 14:00-16:30 **Forum for supervisors** by Robert Gray Jr  
*PUTBALL for the rest*
- LATE AFTERNOON SESSION** (Chair: Ines Heiland)
- 16:45-17:00 **Presentation of the upcoming NORBIS course "HPC in Bioinformatics"**  
by Abdulrahman Azab
- 17:00-17:50 **Student talks:**
- GSuite Tools: Analyzing collections of genomic datasets** by Boris Simovski

**Metagenomic analysis of Svalbard permafrost** by Yaxin Xue

**Phylogenetic analysis of NAD biosynthesis and consumption** by Mathias Bockwoldt

17:45-19:00

**Poster session**

19:30-

*DINNER*

## Friday 30th October

08:00-09:00

*BREAKFAST*

**MORNING SESSION** (Chair: Torgeir Rhoden Hvidsten)

09:00-09:50

**Case control studies from epidemiology to genomics** by Ørnulf Borgan

09:50-10:40

**Student talks;**

**An efficient method for multiple testing correction in GWA studies** by Kari Krizak Halle

**The vgll3 locus controls age at maturity in wild and domesticated Atlantic salmon males** by Erik Kjærner-Semb

**Virtual dissection of pigs using CT images and multiresponse regression** by Lars Erik Gangsei

10:40-11:00

*BREAK, check-out*

**LATE MORNING SESSION** (Chair: Mette Langaas )

11:00-11:50

**Integration of -omics data for discovery and prediction** by Arnaldo Frigessi

11:50-12:40

**Student talks;**

**On model selection within analysis of epigenetic data** by Aliaksandr Hubin

**Differentially expressed miRNAs in putative grid cells in the entorhinal cortex** by Lene Christin Olsen

**Stopped in translation – uncovering the dynamics of protein synthesis** by Katarzyna Anna Chyzynska

12:40-13:40

*LUNCH*

14:25

Departure by boat from Rosendal (arrival at Bergen airport 16:05 / Strandkaiaen 16:30)

## Practical information

**Rosendal Fjordhotel** ([www.rosendal-fjordhotel.no](http://www.rosendal-fjordhotel.no), telephone 53488000)

is beautifully situated at the entrance of the Hardangerfjord and only a short stroll away from the Barony with its 300 year old renaissance garden and the unique Steinparken. Lectures will be held in Melderskin and the poster session will be in Laurdalstind.

### Student talks

We have invited nine PhD students to present their research project by giving a talk. This year, we have selected students widely, to represent all universities present and the wide variety of topics that are studied by NORBIS students. Please keep to the ten minutes limit and allow five minutes for discussion.

### Poster session

The poster session will take place in Laurdalstind on Thursday evening. We appreciate if you can put it up as soon as possible Thursday morning, so we can enjoy them during breaks as well. Please remove your posters after lunch on Friday. Maximum poster size is A0, portrait orientation.

### Group work

We are organising a brainstorming session with the aim of collecting ideas and thoughts from our students and supervisors about their expectations from NORBIS.

### Forum for supervisors

This forum, led by Dr. Robert Gray from the Department of Education at the University of Bergen, will explore ways to improve the effectiveness and quality of research supervision in the NORBIS program. The session will focus primarily on how the multi- and interdisciplinary nature of NORBIS can be leveraged to enrich the research training and experience for students. We welcome all supervisors to join the forum.

### Putball

For those of you who will not join the supervisor forum, we have arranged to play putball as a team building activity. Putball is a combination of football and golf, and the aim is to put the ball into a number of holes by the minimum amount of touches. This is probably new to most of us, so we will learn as we go, and think strategic together in teams. **NB** this is an outdoor activity, please dress accordingly!

### Transport from Bergen City Centre and Bergen Airport to Rosendal

From Bergen City centre, you will enter the Hardanger Express boat from Strandkaaien terminal at the harbour. The boat departs at 15:55 on Wednesday 28th October and returns at 16:30 on Friday 30th October. From Bergen Airport, there is a bus connection to Flesland harbour, leaving at 16:45 on Wednesday 28th October. The boat departs from Flesland harbour at 16:55. You will arrive at Bergen Airport at 16:05 on Friday 30th October. We have booked tickets for everyone; you just need to show your order number when you get on board. This boat will go directly to the private harbour of the hotel. If you plan to arrive at a different time, the hotel is 15 minutes walk from the regular harbour, or contact Rosendal taxi at phone 91781000.

### Expenses

NORBIS covers all expenses (traveling, accommodation and foods) for master students, PhD students and post-docs who are presenting their work by a talk or a poster. Please keep your receipts and we will inform you how to get reimbursed after the meeting.

**Questions can be addressed at: [contact-norbis@uib.no](mailto:contact-norbis@uib.no).**



## List of posters

1	Thea Bjørnland (NTNU)	Statistical challenges with the Extreme Phenotype Sampling design
2	Diana Domanska (UiO)	Visualizations of genomic data
3	Adam Giess (UiB)	5' Leaders and translational regulation
4	Gareth Gillard (NMBU)	Understanding Omega-3 Metabolism in Atlantic Salmon
5	Lars Grønvold (NMBU)	Investigating cold-adaption in grass by comparative transcriptomics
6	Antonín Klíma (NTNU)	The role of microRNA and long non-coding RNA in Polycomb/Trithorax regulation
7	Alvaro Køhn-Luque (UiO)	Modeling collective cell motion in vascular morphogenesis
8	Kornel Labun (UiB)	Machine learning approach to functional micropeptide discovery
9	Xiaoran Lai (UiO)	Mathematical models of therapeutics for breast cancer with statistical inference
10	Vilde Leipart (NTNU)	Modelling the effect of mutations in proteins associated with colorectal cancer
11	Jonas Chr. Lindstrøm (UiO)	Integrative analysis of molecular data in the IBD CHARACTER project
12	Niklas Mahler (NMBU)	eQTL mapping in natural populations of aspen
13	Janne Mannseth (UiB)	
14	Charitra Kumar Mishra (UiB)	De novo Transcriptomics of Lumpfish ( <i>Cyclopterus lumpus</i> L.): Assembly, Annotation and Differential Gene Expression
15	Antonio Mora (UiO)	The role of two isoforms of H2A.Z in embryonic stem cells
16	Chinh Bkrong Nguyen	Dealing with individual variability in clinical RNA Seq data
17	Pouda Panahandeh (UiB)	The Obesity-Cancer Connection: Malignant Cells and Metastasis due to Altered Metabolic Landscape of Obese Cancer Patients
18	Tatiana Polushina (UiB)	LDsnpR. Advantages of LD-based binning of GWAS data
19	Raju Rimal (NMBU)	Comparison of multivariate models for prediction of exchange rate from economic and commodity information
20	Gunnar Schulze (UiB)	Debacter - contamination detection using chromatin sequencing data
21	Anne Heidi Skogholt (NTNU)	Does a common protocol reduce the technical differences between PAXgene and Tempus tubes?
22	Chloé Beate Steen (UiO)	Computational modeling of cancer genome dynamics with application to lymphomas
23	Anna Tarsia (NTNU)	Deriving rules for microRNA regulation from patterns in RNA sequencing data
24	Ioannis Vardaxis (NTNU)	Model based clustering procedure for identifying transcription factors' binding sites in ChIA-PET datasets with high levels of noise.
25	Kristian Thoresen Wittek (NTNU)	Gene regulation in three dimensions
26	Shaojun Zhang (UiB)	Exome data and analysis
27	Zhaoran Zhou (UiB)	Bioinformatics research on sea lice