

The joint

# Norwegian Bioinformatics Forum

and

## NTNU Bioinformatics Network meeting

October 18-19th 2012

Laboratory Center – Auditorium – St. Olavs Hospital – Trondheim

### October 18

- 09.00-10.00 Registration
- 10.00-10.05 Welcome
- 10.05-10.30 Inge Jonassen (Bergen): ELIXIR
- 10.30-10.55 Stig Omholt (Trondheim): ESFRI-ISBE - an opportunity for Norway?
- 10.55-11.15 Break – coffee, fruit
- 11.15-11.40 Kjell Petersen / Pål Puntervoll (Bergen): eSysbio: an adaptable workbench for collaborative life science research
- 11.40-12.25 **Keynote** – Carsten Daub (Karolinska Institutet, Stockholm, Sweden): Transcriptional regulation: from global profiling and mechanisms to functional dysregulation in inflammatory diseases
- 12.25-13.25 Lunch
- 13.25-13.50 Anja Bye (Trondheim): “Omics” analysis of participants in the Fitness Project in HUNT3
- 13.50-14.15 Pawel Sztromwasser (Bergen): How robustness analysis of a variant discovery pipeline led to improving accuracy in SNV detection
- 14.15-14.40 Sigve Nakken (Oslo): Towards a full annotation pipeline for somatic cancer mutations
- 14.40-15.00 Break
- 15.00-15.25 Supat Thongjuea (Bergen): Studying transcription factor complexes and their roles in gene regulation during erythroid development
- 15.25-15.50 Hans Torp (Trondheim): Real-time algorithms for medical ultrasound imaging

- 16.00- Poster session
- 18.00-19.00 Tour at ROCKHEIM - the national museum of pop and rock.
- 19.00- Dinner at ROCKHEIM (free to registered participants)

## October 19

- 09.00-09.25 Olav Vadstein (Trondheim): Environmental biotechnology: boosted by the molecular biology revolution
- 09.25-09.50 Pankaj Barah (Trondheim): Single vs. Combined stresses: How do plants react?
- 09.50-10.15 Steinar Engen (Trondheim): Drift and selection in natural populations
- 10.15-10.35 Break – coffee, fruit
- 10.35-11.00 Pawel Sikorski (Trondheim): Nanotechnology based concepts for high throughput perturbation of single cells in cell arrays
- 11.00-11.45 **Keynote** – Jean-Christophe Olivo-Marin (Institut Pasteur, Paris, France, <http://www.bioimageanalysis.org/>): Quantitative Biological Imaging: from Cells to Numbers
- 11.45-12.45 Lunch
- 12.45-13.10 Frank Lindseth (Trondheim): Ultrasound-based minimally invasive image guided surgery
- 13.10-13.35 Trevor Clancy (Oslo): Predicting physical interactions between protein complexes
- 13.35-14.00 Espen Robertsen (Tromsø): GenoPipe – Pipeline annotation, analysis and visualization of genomes and metagenomes
- 14.00-14.20 Break
- 14.20-14.45 Erik Hjerde (Tromsø): Core genome analysis of Staphylococcus haemolyticus
- 14.45-15.10 Harald Grove (Ås): A pipeline for analysing SNP-data
- 15.10-15.15 Closure

The meeting is supported by Programme for Bioinformatics (PBI) at NTNU. Participation is free. There will be served coffee and fruit, and lunch and dinner to registered participants. Registration for dinner is binding. Registered participants not attending will be charged for the cost of dinner.