Biomarkers and Bioinformatics in Clinical Trials and Clinical Studies

Solstrand 18-19 June 2017

Scientific program

Day 1, Sunday June 18, 2017

13.30-14.15	Arrival and registration
14.15-14.30	**Sonia Gavasso:** Welcome and introduction
14.30-15.15	**Ola Myklebost:** The role of bioinformatics and clinical trials in the discovery of biomarkers
15.15-15.40	**Break**

Working with complex data

15.40-16.05	**Leonardo Meza-Zepeda:** Genomics: how to select the right approach to identify true biomarkers
16.05-16.30	**Harald Barsnes:** The key role of proteomics in biomarker discovery
16.30-16.55	**Ellen Mosleth:** Novel approach for extracting information from experiments with multiple input factors
16.55-17.15	**Break**
17.15-17.30	**Morten Brun:** Topological data analysis
17.30-17.50	**Gonzalo Nido:** Ultra-deep sequencing of mitochondrial DNA in single cells
17.50-18.10	**Endre Anderssen**: Integrated analysis of epigenomic and gene expression
19.30->	**Dinner** - Enjoy a culinary experience at Solstrand Hotel & Bad with participants and presenters

Day 2, Monday June 19, 2017

Clinical trials

09.00-09.30	**Nina Jebsen:** What are clinical trials?
09.30-09.50	**Patient:** Patient's view on clinical trials
09.50-10.10	**Break**

Clinical trials for biomarker detection and evaluation - opportunities, benefits and challenges

10.10-10.30	**Christian Vedeler**: A clinician's view

10.30-10.50	**Reidun Kopperud**: A molecular biologist's view
10.50-11.10	**Nello Blaser**: The biostatistician's view
11.10-11.30	**Roger Strand**: The ethicist's view
11.30-12.30	**Lunch**

Sample and data management

12.30-12.45	**Ann Cathrine Kroksveen:** Biobank Haukeland, the research biobank at Haukeland University Hospital
12.45-13.00	**Randi Hovland**: Pubgene for management and interpretation of genomic data
13.00-13.15	**Stein-Erik Gullaksen:** CytBASE
13.15-13.45	**Eirik Thorsnes:** Big data
13.45-14.10	**Kjell Petersen:** National services offered by Elixir Norway for non-sensitive and sensitive molecular Life Science data: NeLS and TSD
14.10-14.30	**Break**

Clinical mass cytometry

14.30-14.50	**Lucius Bader:** A practical example: A cross-sectional study for disease mechanisms in rheumatoid arthritis
14.50-15.10	**Gerd Bringeland:** Antibody monitoring in multiple sclerosis
15.10-15.30	**Jørn Skavland**: An analytical approach: Are there any biomarker relevant molecular changes out there?
15.30-15.45	**Rune Kleppe:** Centre for Digital Life Norway - Opportunities for multidisciplinary research and innovation
15.45-15.55	**Ellen Mostleth and Sonia Gavasso:** Closing remarks

Centre for Cancer Biomarkers
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