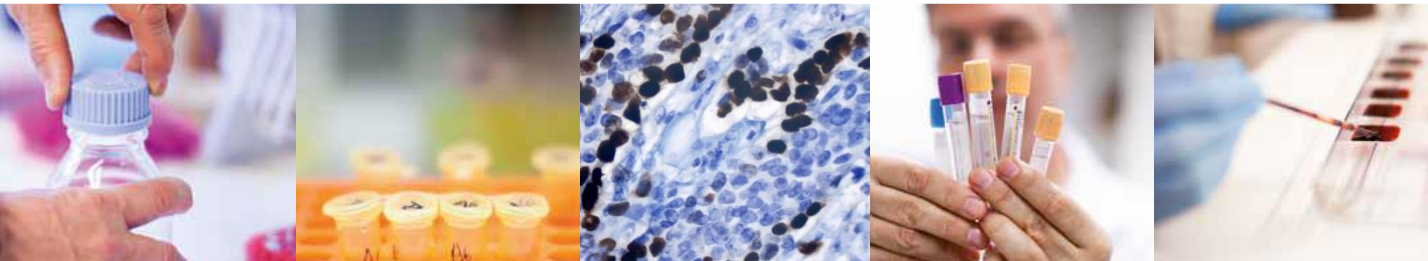




# CCBIO905 – Methods in Cancer Biomarker Research

August 27-29 2018



## Program

### Day 1: Monday August 27 (Birkhaugsalen, D303)

- 09:00-09:30 Introduction to cancer biomarker research (Lars A. Akslen)
- 09:30-10:15 Immunohistochemistry (Reidunn Jetne Edelman)
- 10:15-10:45 COFFEE BREAK (Coffee and light snacks will be available)
- 10:45-11:15 In situ hybridisation/RNAScope (Agnete Engelsen)
- 11:15-12:00 Flow cytometry (Jørn Skavland)
- 12:00-13:00 LUNCH BREAK (lunch is not included)
- 13:00-13:30 Mass Cytometry Imaging (Jørn Skavland)
- 13:30-14:15 Clinical applications of cancer biomarkers (Oddbjørn Straume)
- 14:15-15:00 Liquid biopsy (Oddmund Nordgård)
- 15:00-16:00 GROUP DISCUSSIONS (Jim Lorens, Bruce Baguley)

### Day 2: Tuesday August 28 (BB-building, Aud. 4)

- 09:00-09:45 Basic techniques – Nucleotides (Elisabet Ognedal)
- 09:45-10:15 Basic techniques – Proteins (Dipak Sapkota)
- 10:15-11:00 Bioinformatics – the basics (Kjell Petersen)
- 11:00-11:15 COFFEE BREAK (Coffee and light snacks will be available)
- 11:15-12:00 Unsupervised clustering of omics data (Kjell Petersen and Elisabeth Wik)
- 12:00-13:00 LUNCH BREAK (lunch is not included)
- 13:00-13:45 Gene expression analysis; practical approaches (Elisabeth Wik)
- 13:45-14:15 Epigenetics and miRNA (Erling Høivik)
- 14:15-16:00 GROUP DISCUSSIONS (Jim Lorens, Bruce Baguley) (Conf.room across the hall)

## Day 3: Wednesday August 29 (BB-building, Aud. 4)

09:00-09:30	Proteomics (Even Birkeland)
09:30-10:15	Animal and cell models (Carina Strell)
10:15-10:30	COFFEE BREAK (Coffee and light snacks will be available)
10:30-12:30	PRESENTATIONS (Jim Lorens, Bruce Baguley)
12:30-13:30	LUNCH BREAK (lunch is not included)
13:30-14:15	Biobanking (Ann Cathrine Krogsveen)
14:15-14:30	COFFEE BREAK (Coffee and light snacks will be available)
14:30-15:15	Next Generation Sequencing (Christine Stansberg)
15:15-16:00	Single cell NGS (Eivind Valen)

This course is open to PhD candidates, postdocs, medical students, researchers, technicians and others interested (5-credit course).

Course Directors: Lars A. Akslen and Jim Lorens

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Birkhaugsalen (D303) is in Haukeland University Hospital's main building, 3rd floor.  
Aud. 4 is in the BB-building, behind the hospital's main building and the lab building.

