Minisymposium:
Omics in Biomedicine

Date: November 23, 2016
Time: Lectures at 9:00-16:00, followed by 1-hour discussion group session
Place: University of Oulu, Medical campus: Leena Palotie Hall 101A, Aapistie 5A
Organizer: Biocenter Oulu Doctoral Programme (BCO-DP), University of Oulu

Credits: 0.7 ECTS for the whole programme, 0.3 ECTS for lectures only
Requirements: To obtain the credits for the whole programme, participation in the lectures, post-lecture discussion session and suggested readings are required.

Registration: By November 16, 2016, using this link: https://www.webropolsurveys.com/S/109A173849686178.par

Everyone is welcome to the lectures. Please note that the post-lecture discussion session is limited to pre-registered participants. In case of overbooking, doctoral students will be given preference. The readings will be distributed about one week before the symposium.

PROGRAMME

9:00-9:05 Opening words

Session I Chair: Seppo Vainio
9:05-9:40 Principles and Practice of Precision Cancer Medicine: Tailoring Treatment to Individual Cancer Patients
Olli Kallioniemi, Karolinska Institutet, Sweden
9:40-10:15 Combing Cancer Genomics and Proteomics Provides New Insights into Dysregulation and Roles of Protein Kinases in Cancer
Jianmin Wu, Peking University Cancer Hospital & Institute, China
10:15-10:45 Coffee break

Session II Chair: Johanna Myllyharju
10:45-11:20 Cancer Genomics: Perspectives and Challenges in Biomedical Research
Xose S. Puente, University of Oviedo, Spain
11:20-11:55 Creating a Breast Cancer Protein Index for Clinical usage
Peter James, Lund University, Sweden & Åbo Akademi University, Finland
11:55-13:00 Lunch break

Session III Chair: Outi Savolainen
13:00-13:35 On the Genomes of the First Pioneering People of Scandinavia
Mattias Jakobsson, Uppsala University, Sweden
13:35-14:10 Application of Single-Cell Sequencing Technology at Early Mammalian Development
Florence Naillat, University of Oulu, Finland
14:10-14:40 Coffee break

Session IV Chair: Johannes Kettunen
14:40-15:15 Integration of Genome-Wide Data to Decode Gene Regulation in Cardiovascular Disease
Minna U. Kaikkonen, University of Eastern Finland, Finland
15:15-15:50 Human Metabolic Individuality: Stability, Heritability, and Genetic Underpinning of Metabolite Profiles
Gabi Kastenmüller, Helmholtz Zentrum München, Germany
15:50-16:00 Discussion and concluding remarks
16:00-17:00 Refreshments and post-lecture discussion session with the speakers, for pre-registered participants (Place: 487B, BCO meeting room at 4th floor)