

BIOCENTER OULU DAY 2019

Nature meets technology – the many faces of modern medicine

Time Tuesday, April 9, 2019 at 8.30-16.00
Place Leena Palotie Auditorium 101A in the Main Building of the Medical Campus,
 University of Oulu, Oulu, Finland
Chairpersons Priyanka Parmar, Naveed Ahmad

PROGRAMME

Session 1: Small things are important

- 08.30-08.40 Opening remarks
Chairperson of the Organizing Committee, Biocenter Oulu
- 08.40-08.50 Welcome
Prof. Johanna Uusimaa, Director of Focus Institute Biocenter Oulu
- 08.50-09.30 *"Nanotherapeutics for cancer and regenerative medicine"*
As. Prof. Joy Wolfram, Mayo Clinic, USA
- 09.30-10.05- *"Nanotechnology-mediated drug delivery systems: Future advances in healthcare"*
Prof. Roberta Cavalli, University of Turin, Italy
- 10.05-10.10 Sponsor time: **AH Diagnostics**
- 10.10-10.50 *Coffee at the exhibition area (40 min)*

Session 2: From the great outdoors

- 10.50-10.55 Sponsor time: **Immuno Diagnostic Oy**
Janne Ylärinne,
- 10.55-11.30 *"Much more than timber: Innovations from forest to benefit human health"*
Dr. Anna-Maria Pirttilä, University of Oulu, Finland
- 11.30-12.05 *"Wnt signaling pathways: from fundamental research to drug discovery "*
Prof. Vladimir Katanaev, University of Geneva, Switzerland
- 12.05-13.25 *Lunch break and exhibition (1 h 25 min)*

Session 3: How the computer thinks?

- 13.25-13.35 Sponsor time: **Nordlab**
- 13.35-14.10 *"Machine Learning in Pain Research"*
Prof. Jörn Lötsch, Goethe University Frankfurt, Germany
- 14.10-14.45 *"Life beyond the pixels, image analysis and machine learning methods for cell profiling"*
Prof. Peter Horvath, University of Helsinki, Finland
- 14.45-15.15 *Coffee at the exhibition area (30 min)*

Session 4: We could but should we?

- 15.15-15.50 *"Ethics of artificial intelligence - Implications for Healthcare and Biosciences"*
Juho Vaiste, University of Turku, Finland
- 15.50-16.00 General discussion and concluding remarks