

The 11th Symposium in a series on Disease Modeling:

Cancer and Metabolism

December 13-14, 2016

Lambda auditorium, ICT-City

Joukahaisenkatu 3, Turku, Finland



Organizers: Turku Center for Disease Modeling (TCDM), LifeSpan Research Program, University of Turku Postgraduate Education Unit (PGE), Doctoral Programme of Clinical Investigation (TKT/CLIDP), Drug Research Doctoral Programme (DRDP), and Turku Doctoral Programme of Molecular Medicine (TuDMM).

Organizing committee: Sari Mäkelä, Pirjo Pakarinen, Niina Saarinen-Aaltonen and Petra Sipilä

This symposium is the 11th in a series of events aiming at providing in-depth training for PhD candidates, post-doctoral researchers and other scientists involved in a specific field of research. The present symposium focuses on specific aspects of studying cancer and metabolism. Participation is free of charge, but registration is required. Please, register latest on Dec 1, 2016.

Registration at: <http://www.tcdm.fi/> News or [here](#).

Tuesday 13th of December

Session I, Sex Hormone Metabolism and Cancer

Chair: Niina Saarinen-Aaltonen

- 13:15-13:30** **Opening words**, Pirkko Härkönen
- 13:30-14:15** **Breast adipose and breast cancer tissue in estrogen metabolism**, Hanna Savolainen-Peltonen, Helsinki University Central Hospital, Finland
- 14:15-15:00** **Obesity-related dysregulation of aromatase in cancer**, Kristy Brown, Hudson Institute of Medical Research, Australia

15:00-15:30 **Coffee Break**

Session II, Cancer Metabolism

Chair: Pirjo Pakarinen

- 15:30-16:15** **Imaging metabolism in cancer**, Tove Grönroos, University of Turku, Finland
- 16:15-17:00** **Metabolic changes in cancer cells**, Fatima Mechta-Grigoriou, Institut Curie, France
- 17:00-19:00** **Buffet Dinner**

Wednesday 14th of December

Session III, Metabolic dysregulation and cancer – and vice versa

Chair: Sari Mäkelä

- 9:00-9:45** **Obesity and cancer: mechanistic insight from transdisciplinary studies**, Stephen Hursting, University of North Carolina, USA
- 9:45-10:30** **Genetic diversity affecting cancer and metabolism**, John French, University of North Carolina, USA
- 10:30-11:00** **Coffee Break**
- 11:00-11:45** **Peritumoral adipocytes act as a driving force in cancer progression**, Catherine Müller, University of Toulouse, France
- 11:45-12:30** **Mitochondrial metabolism in cancer: impact on metastasis and cachexia**, Paolo Porporato, The Université catholique de Louvain, Belgium

12:30-13:30 **Lunch Break**

Session IV, Patient-derived cells and xenografts

Chair: Petra Sipilä

- 13:30-14:15** **Patient-derived xenografts – path towards personalized medicine**, Johanna Tuomela, University of Turku, Finland
- 14:15-14:45** **Coffee Break**
- 14:45-15:30** **Patient-derived ex vivo cancer models in drug testing**, Taija af Hällström, Orion Pharma, Finland, and Institute for Molecular Medicine Finland
- 15:30-16:15** **Translational cancer omics**, Karin Dahlman-Wright, Karolinska Institutet, Sweden
- 16:15** **Closing words**

