

33RD BIOCITY SYMPOSIUM PROGRAM

THURSDAY, 29 AUGUST 2024

08.30 **Reko Leino**, Vice-rector, Åbo Akademi University
Opening words and presentation of the Elias Tillandz prize for the best publication in BioCity Turku 2023

KEYNOTE LECTURE

09.00 **Craig B. Thompson**, Memorial Sloan Kettering Cancer Center, USA
Oncometabolites and cancer
09.35 Q&A

SESSION I

Chairs: Matej Orešič and Ziyu Yang

09.45 **Jingyuan Fu**, University of Groningen, The Netherlands
Host-microbe co-metabolism in health and disease
10.20 Q&A
10.30 POSTER SESSION A with coffee, tea and exhibitions
11.30 **Norman Haughey**, Johns Hopkins School of Medicine, USA
Sex and ceramide
12.05 Q&A
12.15 **Nicko Widaja**, University of Turku, Finland
Bone marrow glucose uptake and adiposity in rats after diet and exercise interventions
12.30 LUNCH and exhibitions

SESSION II

Chairs: Alex Dickens and Abhijit Paul

13.45 **Ville Hietakangas**, University of Helsinki, Finland
Nutrient regulation of intestinal stem cells: lessons from *Drosophila*
14.20 Q&A
14.30 **Antonio Vidal Puig**, University of Cambridge, UK
Molecular basis of obese healthy and lean unhealthy paradox
15.05 Q&A
15.15 POSTER SESSION B with coffee, tea and exhibitions
16.15 **Emilia Kuuluvainen**, University of Helsinki, Finland
Metabolic cell fate regulation by selective inheritance of organelles
16.30 **Amalia Gastaldelli**, Institute of Clinical Physiology, CNR, Italy
Worsening of metabolic fluxes from hepatic steatosis to MASH
17.05 Q&A
17.15 First symposium day ends

FRIDAY, 30 AUGUST 2024

SESSION III Chairs: Noora Kotaja and Ammar Ahmedani

- 09.00 **Raffaele Teperino**, Helmholtz Munich, Germany
Paternal influence on offspring health: a touch for life
- 09.35 Q&A
- 09.45 **Abhijit Paul**, University of Turku, Finland
PFAS exposure: computational insights into fetal liver metabolism
- 10.00 **Roselydiah Makunja**, University of Helsinki, Finland
Maternal microbial metabolites and fetal development: possible interactions
- 10.15 POSTERS with coffee, tea and exhibitions

SESSION IV Chairs: Kati Hanhineva and Veera Houttu

- 11.30 **Luke O'Neill**, Trinity Biomedical Sciences Institute; Trinity College Dublin, Ireland
Why are more and more people suffering from inflammatory diseases?
- 12.05 Q&A
- 12.15 **Heidi Isokääntä**, University of Turku, Finland
Human milk metabolites and infant gut maturation
- 12.30 **Henrik Munch Roager**, University of Copenhagen, Denmark
Gut it – it is all about the metabolites
- 13.05 Q&A
- 13.15 **Heli Tirkkonen**, University of Turku, Finland
Unveiling the microbial battleground: streptomyces vs. competing microbes
- 13.30 LUNCH and exhibitions

SESSION V Chairs: Jukka Westermarck and Venkatram Yellapragada

- 14.45 **Anu Suomalainen Wartiovaara**, University of Helsinki, Finland
Mitochondrial guide to tissue-specific mechanisms of disease
- 15.20 Q&A
- 15.30 **Claudio Vernieri**, IFOM ETS, the AIRC Institute of Molecular Oncology, Italy
Targeted metabolic interventions in cancer therapy
- 16.05 Q&A
- 16.15 **Klaus Elenius**, BioCity Turku Scientific Director
Closing remarks