

The 29<sup>th</sup> Annual BioCity Symposium & 30<sup>th</sup> Anniversary Symposium of Turku Bioscience Centre

# LIFESPAN<sup>OF</sup> THE IMMUNE SYSTEM

## THURSDAY, AUGUST 22<sup>nd</sup>

8:45 Jyrki Heino, Biocity Turku: Opening words  
Jukka Kola, Rector, University of Turku  
Presentation of the Elias Tillandz prize for the best publication  
in BioCity Turku 2018

### SESSION I - Early life, education of the immune system (chair: Riitta Lahesmaa)

9:15 Petter Brodin, Karolinska Institutet, Sweden: Immune system  
development in early childhood  
10:00 Roser Vento-Tormo, Sanger Institute, UK: Reconstructing the  
maternal-fetal interference during early pregnancy  
10:45 POSTER SESSION A and coffee/tea with exhibition  
11:15 Kathy McCoy, University of Calgary, Canada: Microbiome,  
metabolites and immune responses  
12:00 Short presentations selected from poster abstracts  
12:30 Lunch and exhibition

### SESSION II - Host metabolism and inflammation, metabolic disorders (Chair: Pirjo Nuutila)

13:45 Francesc Villarroya, University of Barcelona, Spain: Cross-talk of  
immune cells and brown adipocytes in the control of adaptive energy  
metabolism  
14:30 Gökhan S. Hotamisligil, Harvard University TH Chan School of Public  
Health, US: Foundations of immunometabolism and implications for  
metabolic health and disease  
15:15 Ulf Smith, University of Gothenburg, Sweden: Senescence  
impairs cell differentiation and promotes inflammation in the  
adipose tissue  
19:30 Symposium dinner in Turku Castle

## FRIDAY, AUGUST 23<sup>rd</sup>

### SESSION III - Neuro-immunology, microglia and neurodegenerative diseases (Chairs: Laura Airas & Juha Rinne)

9:00 David Pitt, Yale School of Medicine, US: Astrocytes as mediators of  
inflammation in multiple sclerosis.  
9:45 Anna Orr, Weill Cornell Medicine, US: Glial cells and neuroimmune  
signaling in cognitive deficits  
10:30 POSTER SESSION B and coffee/tea with exhibition  
11:00 Bengt Winblad, Karolinska Institutet, Sweden: Immunological  
treatment in Alzheimer's disease  
11:45 Lunch and exhibition

### SESSION IV - Onco-immunology to cure cancer (chair: Sirpa Jalkanen)

13:00 Arlene Sharpe, Harvard Medical School, US: The biology behind  
PD-1 checkpoint blockade  
13:45 Angelica Loskog, Uppsala University, Sweden: Update of the CAR T trial  
14:30 Tyler Curiel, UT Health San Antonio, Medicine, US: Age effects on  
cancer immunotherapy  
15:15 Alexander Eggermont, Gustave Roussy CCC, France: The Immunotherapy  
Revolution: from melanoma to (almost) all tumors  
16:00 Jyrki Heino, University of Turku: Closing remarks