4th Inflammation Network Day

6th March 2023 @ 12:30-18:00
Auditorium G206-142, entrance G
Aarhus University Hospital

12:30 – 13:00 Welcome coffee and registration

13:00 – 13:05 Opening of meeting Per Höllsberg, Vice-dean for Research, Health, Aarhus University

13:05 – 13:10 Welcome remarks Trine Mogensen, Prof. and Chair of the Inflammation Network

SESSION 1 – LYMPHATICS AND TUMOR MICROENVIRONMENT
(Chairs: Søren E. Degn & Lotte Lindgreen Eriksen)

13:10 – 13:40 Characterizing the inflammatory response in the lymphatic compartment using intravital imaging Prof. Santiago Gonzalez, Institute for Research in Biomedicine (IRB), Switzerland


13:55 – 14:15 Flash talks (1-3)
- STING engages IRF3 via phosphorylated serine 358 to activate NF-κB at late endolysosomal compartments (presenter: Baocun Zhang)
- The role of CD9 in tumor-associated macrophages (presenter: Ida Holten-Møller)
- Using Serial Intravital Microscopy to Study the Dynamics of Autoreactive Germinal Centers (presenter: Layla Pohl)

14:15 – 14:45 Coffee, cake, and fruit

SESSION 2 - MICROBIOME INTERACTIONS
(Chairs: Thomas Vorup-Jensen & Fernando Valentim Bitencourt)

14:45 – 15:15 Low-grade inflammation: Fuel to the fire Prof. Claus Henrik Nielsen, Centre for Inflammation and Metabolism, Rigshospitalet & Faculty of Health and Medical Sciences, Copenhagen University

15:15 – 15:30 Pathogens, Diet, and Tissue Microenvironment: A Dynamic Interplay in Regeneration and Carcinogenesis Assoc. Prof. Cindrilla Chumduri, Dept. of Biological and Chemical Engineering, Aarhus University & Würzburg University, Germany
SESSION 2 - MICROBIOME INTERACTIONS (CONTINUED)
(Chairs: Thomas Vorup-Jensen & Fernando Valentim Bitencourt)

15:30 – 15:50 Flash talks (4-6)
Potential dynamics of Tregs and NKT cells in peripheral blood after faecal microbiota transplantation in patients with recurrent Clostridioides difficile infection (presenter: Lotte Lindgreen Eriksen)
Neuroretinal and photoreceptor degeneration induced by chronic infection with lymphocytic choriomeningitis virus (presenter: Asif Manzoor Khan)
Characterization of an inflammation-driven CKD model using human precision-cut kidney slices (presenter: Camilla Merrild)

15:50 – 16:20 Coffee, cake, and fruit

SESSION 3 – INFECTION AND IMMUNITY
(chair: Joanna Kalucka & Marvin Werner)

16:20 – 16:50 Analyzing functions on the single-cell level – a cytokine polyfunctionality study on individual immune cells Assoc. Prof. Klaus Eyer, ETH Zurich, Switzerland & Dept. of Biomedicine, Aarhus University

16:50 – 17:10 Flash talks (7-10)
Expression of membrane- and soluble LILRB1 in subtypes of human monocyte-derived macrophages (presenter: Henriette Nymark Friis)
Inborn errors of Map3k6 in post-infectious inflammatory syndromes (presenter: Annika Sündernauf)
Crispr/Cas gene editing of PBMCs from a patient homozygous for a novel CXCR2 mutation (presenter: Daniëla M. Hinke)
Investigating disease causing inborn errors in innate immunity related to plasmacytoid dendritic cell function in patients with critical COVID-19 (presenter: Renée M. van der Sluis)

17:10 – 17:15 Awards and closing remarks Trine Mogensen, Chair of the Inflammation Network
17:15 – 18:00 Reception with canapés & wine