

## 4<sup>th</sup> Inflammation Network Day

6th March 2024 @ 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

13:40 – 13:55 **Targeting tumor metabolism to modulate immune responses** Assoc. Prof. Naiara Santana Codina, Dept. of Biomedicine, Aarhus University

13:55 – 14:15 **Flash talks (1-3)**

STING engages IRF3 via phosphorylated serine 358 to activate NF- $\kappa$ B 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 Sünderhauf)

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