

3rd Inflammation Network Day

8th 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 **Welcome remarks** Trine Mogensen, Managing Professor of the Inflammation Network

13:05 – 13:10 **Opening of meeting** Anne-Mette Hvas, Dean at the Faculty of Health, Aarhus University

SESSION 1 - TUMOR MICROENVIRONMENT AND RHEUMATOLOGY

(Chairs: Karina Dalsgaard Sørensen + Kenneth Green)

13:10 – 13:40 **Keynote: Molecular differences between angiogenic and blood vessel co-opting colorectal liver metastases** Dr. Lena-Christin Conradi, Göttingen University Medical Center, Germany

13:40 – 14:00 **Highlight talk: A new look at two classical inflammatory diseases – Diagnosis, Complications and Treatment of Polymyalgia Rheumatica and Giant Cell Arteritis**
Ellen Margrethe Hauge, Professor, Dept. of Clinical Medicine - Rheumatology, Aarhus University & Aarhus University Hospital

14:00 – 14:30 **Flash talks (1-5)**

Pro-inflammatory polarization inhibits macrophage phagocytosis of cancer cells in vitro (presenter: Kristian W. Antonsen)

Establishment of a new 3D-co-culture model containing PDOs, endothelial cells and fibroblasts (presenter: Anneke Stolte)

PD-1hi cells are highly present in the rheumatoid joint, and express regulatory capacities (presenter: Sofie Rask)

Mapping niche dynamics at single-cell resolution to boost the regenerative potential of aged skeletal muscle (presenter: Stig Henrik Andersen)

Self-reported periodontitis is associated with impaired smell and taste (presenter: Luisa Schertel Cassiano)

14:30 – 15:00 Coffee, cake and networking

SESSION 2 - MICROBIOME INTERACTIONS

(Chairs: Holger Brüggemann + Anne Birkeholm Jensen)

- 15:00 – 15:30 **Keynote: Immune sensing of oral microbiota: implications in precision health and medicine** Margaret Sällberg Chen, Professor, Dept. of Dental Medicine, Karolinska Institutet, Sweden
- 15:30 – 15:50 **Highlight talk: Gut microbiome therapies in inflammatory diseases** Christian Lodberg Hvas, Associate Professor, Dept. of Clinical Medicine - Hepatology and Gastroenterology, Aarhus University & Aarhus University Hospital
- 15:50 – 16:10 **Flash talks (6-8)**
Faecal microbiota transplantation for first or second Clostridioides difficile infection (EarlyFMT) (presenter: Sara Ellegaard Andreasen)
Leveraging serial intravital 2-photon microscopy to interrogate autoimmune processes in the spleen (presenter: Layla Pohl)
The caspase-2-tBID axis mediates Gasdermin E-dependent pyroptosis in neurons lytically infected with HSV-2 to promote inflammation (presenter: Fanghui Ren)

16:10 – 16:30 Coffee and networking

SESSION 3 - VIRAL INFECTION AND INFECTIOUS DISEASES

(Chairs: Anne Troldborg + Lotte Lindgreen Eriksen)

- 16:30 – 16:50 **Highlight talk: Improvement in T cell immunity following treatment with monoclonal anti-HIV antibodies – a vaccinal effect?** Ole Schmeltz Søgaaard, Professor, Dept. of Clinical Medicine - Infectious Diseases, Aarhus University and Aarhus University Hospital
- 16:50 – 17:10 **Highlight talk: NRF2 controls an unappreciated anti-viral network important for severe covid** Christian K. Holm, Professor, Dept. of Biomedicine, Aarhus University
- 17.10 – 17.30 **Flash talks (9-11)**
Time dependent characterization of protein profiles in different tissues induced by chronic infection with lymphocytic choriomeningitis virus (presenter: Asif Manzoor Khan)
STING is redundant for host defense and pathology of COVID-19-like disease in mice (presenter: Giorgia Marino)
Associations between patient-reported outcomes, liver inflammation and fibrosis in patients with primary sclerosing cholangitis (presenter: Emilie Eifer Møller)

17:30 – Reception with canapés & wine

18:00 – 18:05 **Awards and closing remarks** Trine Mogensen, Head of the Inflammation Network