

1st Inflammation Network Day

11th November 2021 @ 9:00-17:10
The AIAS Auditorium, Aarhus University
Høegh-Guldbergs Gade 6B, 8000 Aarhus C

08:30 – 09:00 Welcome coffee and registration

09:00 – 09:05 **Welcome remarks** Trine Mogensen, Managing Professor, Inflammation Network

09:05 – 09:10 **Opening of meeting** Hans Erik Bøtker, Acting Dean, Health, Aarhus University

SESSION 1 (chair: Thomas Vorup-Jensen)

09:15 – 09:45 **Keynote: MIS-C: a post-infectious enigma** Alexandre Belot, Professor and Head of the National Reference Centre for Rare Rheumatic and Autoimmune Diseases in Children RAISE- Lyon, University of Lyon, France

09:45 – 10:00 **A novel role of autophagy in antiviral defenses in the brain** Trine Mogensen, Professor, Dept. of Biomedicine and Clinical Medicine (Infectious Diseases), Aarhus University

10:00 – 10:30 **Flash talks (1-4)**

First in class therapeutic candidate for seropositive rheumatoid arthritis (presenter: Tue Kragstrup)

The presence of disease memory in complete responders of secukinumab and Dead Sea Climatotherapy (presenter: Thomas Emmanuel)

Unbiased analysis of plasma proteolysis in inflammatory disease (presenter: Fatih Demir)

Trends in the incidence of hospital-diagnosed acute pyelonephritis: a population-based cohort study (presenter: Lise Skovgaard Svingel)

10:30 – 11:00 Coffee break

SESSION 2 (chair: David OLAGNIER)

- 11:00 – 11:30 **Keynote: Merging research and real-world evidence in cancer immunotherapy**
Marco Donia, Associate Professor, National Center for Cancer Immune Therapy, Department of Oncology, Herlev Hospital
- 11:30 – 11:45 **Molecular and spatial analyses of the tumor immune microenvironment in prostate cancer: Clinical implications?** Karina Dalsgaard Sørensen, Professor, Dept. of Clinical Medicine (Molecular Medicine), Aarhus University
- 11:45 – 12:00 **Targeting tumor-associated macrophage heterogeneity** Anders Etzerodt, Assistant Professor, Dept. of Biomedicine, Aarhus University
- 12:00 – 12:30 **Flash talks (5-8)**
B cell intrinsic STING signaling is not required for autoreactive germinal center participation (presenter: Kenneth Green)
Selective activation of the prostaglandin E2-EP4 receptor can slow or reverse the fibrotic process in human kidney slices (presenter: Michael Schou Jensen)
The inflammatory profile of skin changes (SCORDoK) in Severe Acute Malnutrition (SAM) (presenter: Sofine Heilskov)
Establishing gene-edited mesenchymal stem cells for treatment of renal inflammation and fibrosis (presenter: Emil Gregersen)

12:30 – 13:30 Lunch break

SESSION 3 (chair: Joanna Kalucka)

- 13:30 – 14:00 **Keynote: Bacteria fuel malignant inflammation and disease activity in cutaneous T cell lymphoma** Niels Ødum, Professor, LEO Foundation Skin Immunology Research Center, University of Copenhagen
- 14:00 – 14:15 **Research in skin inflammation using psoriasis as disease model** Claus Johansen, Associate Professor, Dept. of Clinical Medicine (Dermatology), Aarhus University
- 14:15 – 14:30 **Beneficial and detrimental roles of the human skin microbiota** Holger Brüggemann, Associate Professor, Dept. of Biomedicine, Aarhus University
- 14.30 – 15.00 **Flash talks (9-11)**
Itaconate derivative suppresses antiviral innate immunity and sensitizes cancer cells to oncolytic virotherapy (presenter: Naziia Kurmasheva)
Establishing an in-vitro potency assay for improved personalized allogeneic mesenchymal stem cell therapy (presenter: Jonas Oute Pedersen)
COVID-19 Causes Psychiatric After-Effects (presenter: Thor Mertz Schou)

15:00 – 15:30 Coffee break

SESSION 4 (chair: Søren Degn)

15:30 – 16:00 **Keynote: The oral gateway to respiratory disease; the link between periodontal health status and oral bacteria, exposure to antibacterial chemicals and lung inflammation.** Randi Jacobsen Bertelsen, Group leader, Dept. of Clinical Science, University of Bergen, Norway

16:00 – 16:15 **Epidemiology and Inflammatory disease – the environmental perspective** Vivi Schlünssen, Professor, Dept. of Public Health (Environmental and Occupational Medicine), Aarhus University

16:15 – 16:30 **Innate host defense against HSV infection in the brain** Søren Riis Paludan, Professor, Dept. of Biomedicine, Aarhus University

16:30 – 17:00 **Flash talks (12-14)**

A novel missense variant resulting in autosomal recessive IFNAR2 deficiency (presenter: Morten Kelder Skouboe)

Maternofetal transfer of autoantibodies and microglia activation in a murine model of systemic lupus erythematosus (presenter: Sofie Fonager)

Occupational exposure to respirable crystalline silica and risk of autoimmune rheumatic diseases (presenter: Signe Boudigaard)

17:00 – 17:10 **Closing remarks** Trine Mogensen, Managing Professor, Inflammation Network