

Program

Oxidative stress and implications for inflammation and immune response

Time: Tuesday 14th May and Wednesday 15th 2019

Place: Nielsine Nielsen Auditorium, Mærsk Tower, Panum

Organizers: Clare Hawkins and Michael Davies, Graduate School of Immunology and Infectious Diseases, Danish Immunological Society and Copenhagen Cluster of Immunology

Tuesday 14th May

Morning

- 9.15 **Sources of reactive oxygen species (mitochondria, NOX and NOS)**
Flavia Rezende (Germany)
- 10.15 **Peroxidases and immune cell dysfunction**
Clare Hawkins (Copenhagen)
- 11.15 **Protein oxidation – targets and biological relevance**
Michael Davies (Copenhagen)

Afternoon

- 13.15 **NOX in disease**
Katrin Schröder (Germany)
- 13.55 **Therapeutic role of NO**
Jon Lundberg (Sweden)
- 14.35 **Immunology, parasitic infections and NO**
Christian Bogdan (Germany)
- 15.15 Coffee Break
- 15.45 **Peroxidases in disease**
Anna Klinke (Germany)
- 16.30 **Quantification of oxidation by MS**
Corinne Spickett (UK)
- 17.10 Closing remarks

Wednesday 15th May

Morning

- 9.15 **Cellular antioxidant defenses**
Steen Vang Petersen (Aarhus)
- 10.15 **Role of oxidation in disease – RNA and diabetes**
Henrik Poulsen (Copenhagen)
- 11.15 **Role of oxidation and nitration in inflammatory diseases**
Paul Winyard (UK)

Afternoon

- 13.15 **The Janus face of oxidants in the immune system**
Helen Griffiths (UK)
- 14.00 **Thioredoxin reductase and cancer therapeutics**
Elias Arner (Sweden)
- 14.45 Coffee Break
- 15.15 **Iron, ROS and islet dysfunction in Type 2 Diabetes**
Thomas Mandrup-Poulsen (Copenhagen)
- 16.00 Closing remarks