Thursday May 29, 2014

9.00 - 09.50  Registration

9.50 - 10.00  Welcome and Introductions

Session 1:

10.00 - 10.40  Erika Pearce (Washington University School of Medicine, US)  
Lysosomal lipolysis in the metabolic programming of CD8+ memory T cells

10.40 - 11.20  Jeff Rathmell (Duke University, US)  
Glucose uptake in T cell activation and subsets

11.20 - 11.50  Coffee break

Session 2:

11.50 - 12.30  Giuseppe Matarese (IEOS-CNR/University of Salerno, Italy)  
Role of the metabolic overload in the control of Treg cell function and immune tolerance

12.30 - 12.45  Deborah Cluxton (Trinity College, Ireland)  
The role of metabolism and hypoxia in the regulation of human T cell subsets

12.45 - 13.00  Duncan Howie (University of Oxford)  
Foxp3 mediates metabolic reprogramming by upregulating components of the oxidative phosphorylation pathway

13.00 - 13.10  Abcam

13.10 - 14.00  Lunch and poster session

Session 3:

14.00 - 14.40  Vishwa Deep Dixit (Yale School of Medicine, US)  
Immune-metabolic interactions during aging

Metabolites as signals for inflammation

15.20 - 16.00  Edward Pearce (Washington University School of Medicine, US)  
Metabolic reprogramming in the activation of mononuclear phagocytes

16.00 - 16.30  Tea break

16.30 - 17.30  Keynote: Richard Flavell (Yale School of Medicine, US)  
Inflammasomes in health, dysbiosis and disease

17.30 - 18.30  Poster session and drinks reception
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Session 4:

09.30 - 09.45  Maia Kavanagh-Williamson (King’s College London)
HIV-1 virus production and pathogenicity is dependent on the metabolic phenotype of activated CD4+ T-cells

09.45 - 10.00  Linda V Sinclair (University of Dundee)
slc7a5 and the metabolic control of CD4 effector T cell function

10.00 – 10.40  Steven Bensinger (University of California Los Angeles, US)
Dynamic reprogramming of lipid metabolism primes APC for host defense

10.40 – 11.20  Jens Brüning (University of Cologne, Germany)
Novel roles of Il-6 action in obesity and insulin resistance

11.20 - 11.35  Leonie Hussaarts (Leiden University Medical Center, The Netherlands)
Chronic helminth infection improves whole-body metabolic homeostasis associated with adipose tissue alternatively activated macrophages

11.35 - 12.00  Coffee break

Session 5:

12.00 - 12.40  David Finlay (Trinity College Dublin, Ireland)
mTORC1-dependent metabolic reprogramming is a prerequisite for proinflammatory natural killer cell functions

12.40 - 12.55  Beth Kelly (Trinity College Dublin)
Metformin decreases LPS-induced pro-IL-1 beta in macrophages

12.55 - 14.00  Lunch and poster session

Session 6:

14.00 - 14.40  Bernardo Franklin (University of Bonn)
The extracellular functions of the Inflammasomes

14.40 - 14.55  Giuseppe Danilo Norata (University of Milan)
Altered systemic cholesterol metabolism impacts naïve to effector/memory CD4+T cell differentiation: insights from animal models and humans

14.55 - 15.30  Tea break

Session 7:

15.30 - 15.45  Jan Van den Bossche (University of Amsterdam, The Netherlands)
HDAC inhibition improves atherogenic macrophage function and cellular metabolism

15.45 - 16.25  Russell Jones (McGill University, Canada)
Regulation of lymphocyte metabolic and functional plasticity by cellular energy sensors

16.25 - 16.30  Closing remarks

16.30  Conference ends

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