

Programme

The meeting will include investigators at all levels – from group leaders to post-doctoral staff and students, with the emphasis on younger people.

The aim is to promote ideas and interactions, avoiding a simple series of individual lectures. We will do our level best to have as many as possible delegates giving talks, with plenty of time for discussion. There will also be room for posters.

Programme

Thursday 6th November

12.00 Arrival and lunch

13.25 Welcome
Paul Moss

Lytic infection and genomics

Chair: Blair Strang

13.30 **Richard Stanton**
Focus on HCMV strains and tropism

14.00 Blair Strang
The architecture of HCMV replication compartments

14.15 Matthew Reeves
Heterochromatin protein 1 and the regulation of viral gene expression: beyond chromatin?

14.30 Gavin Wilkie
High-throughput sequencing of complete HCMV genomes directly from clinical material reveals the common occurrence of mutants

14.45 **Finn Grey**
Focus on miRNAs

15.15 Amie Regan
Functional analysis of CMV miRNAs

15.30 Kevin Robertson
MicroRNA-342-5p couples antiviral immunity to the sterol metabolic network

15.45 Refreshments

Latent infection

Chair: Matthew Reeves

16.15 **Emma Poole**
Focus on latency

16.45 Jonathan Lau
HCMV latency-associated protein LUNA is associated with transcriptional regulation of viral gene expression via ade-SUMOylase activity

17.00 Benjamin Krishna
Latency-associated expression of the US28 gene allows targeting of latently infected cells with a novel immunotoxin

17.15 Close

19.00 **Drinks Reception and Dinner at Horton Grange**
Drinks reception from 19.00
Dinner served from 19.30

Friday 7th November

Immunity

Chair: Mark Wills

09.00 Speaker to be confirmed
Focus on immunology

09.30 Helen Parry
The CD4 immune response to CMV in chronic lymphocytic leukaemia

09.45 Louise Hosie
HCMV-mediated memory-inflation towards a HLA-C-restricted epitope

10.00 Mathew Clement
IL-10 receptor-mediated suppression of anti-CMV T-cell immunity: in mice and men

10.15 Sarah Jackson
Direct control of viral dissemination by HCMV-specific CD8+ T cells

10.30 Annette Pachnio
Differences in cellular localisation of CMV glycoproteins greatly influences their potential as T cell targets

10.45 Maria Stacey
Insight into the influence of host genetics on CMV infection in vivo

11.00 Refreshments

Immune modulation

Chair: Ian Humphreys

11.30 **Peter Tomasec**
Focus on immune modulation

12.00 Dick van den Boomen
A characterisation of the host machinery and substrate-specificity of HCMV US2 and US11

12.15 Ceri Fielding
HCMV US18 and US20 regulate natural killer cell activating ligands

12.30 Kevin Chen
Differential recognition of HCMV by natural killer cell subsets through LIR1-UL18 interaction

12.45 Lunch

Clinical virology

Chair: Lars Dölken

14.00 Matthew Bates
Prevalence and risk factors for beta-herpesvirus DNAemia in infants aged between 3 weeks and 2 years of age, admitted to a large referral hospital in sub-Saharan Africa

14.15 Dimitrios Chanouzas
CD4+CD28- T-cell expansions in ANCA-Associated Vasculitis are associated with arterial stiffness: Preliminary results from a clinical trial investigating the potential of valaciclovir to reduce CD4+CD28- T-cell expansion.

14.30 David Webster
Immunopathogenesis of granulomatous-lymphocytic interstitial lung disease (GLILD) in common variable immunodeficiency (CVID) – a role for CMV

14.45 **Paul Griffiths**
Focus on clinical virology and vaccines

15.15 Farewell

15.20 Refreshments and departure

Posters

1 Marco Michalski
Analyzing changes in nuclear architecture and transcriptional activity during lytic MCMV infection by Hi-C and 4sU-tagging

2 Hongjin Lu
SREBP2-independent mechanism for 25-hydroxycholesterol inhibition of viral growth mediated by the sterol biosynthesis pathway

3 Pairoa Prahirunkit
Identification of cellular genetargets of anti-viral miR-27

4 Julia Colston
Dissecting CD8+ T cell memory inflation using a simplified murine model

5 Jawaher Abdulhakim
Investigating the efficiency of CMV DNA detection from DBS

Posters can be displayed throughout the duration of the conference. Posters should be no larger than A0 portrait, 841 x 1189 mm

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