## Infection and chronic disease

**09:15** Welcome and introduction

### Session 1: Helminths

9:20–9:50 Type 2 inflammation, as being a hallmark of infection with parasitic helminths  
Speaker: **Andrew MacDonald (Manchester)**

9:50–10:20 Gastrointestinal dwelling nematodes  
Speaker: **Kathryn Else (Manchester)**

10:20–10:45 Coffee break and networking

### Session 2: Viruses

10:45–11:15 Immune correlates of viral persistence and liver damage in hepatitis B virus infection  
Speaker: **Mala Maini (UCL)**

11:15–11:45 TBC

11:45–12:00 Selected speaker from abstracts

12:00–13:00 Lunch and networking

### Session 3: Bacteria

13:00–13:30 Neisseria in the context of bacterial meningitis and gonorrhoea  
Speaker: **Chris Tang (Oxford)**

13:30–14:00 Mechanism of IL-22 expression in the human gut which is regulated by a microbe-responsive γδ T-cell population  
Speaker: **Neil McCarthy (QMUL)**

14:00–14:20 Selected speaker from abstracts

14:20–14:45 Tea break and networking

### Session 4: Ageing and chronic disease

14:45–15:00 Selected speaker from abstracts

15:00–15:30 Phenotyped patients with COPD to determine the mechanisms driving exacerbations of this disease  
Speaker: **Tom Wilkinson (Southampton)**

15:30–16:00 Cellular and molecular changes that occur in T cells with age that contribute to the age-dependent decline in the germinal centre response  
Speaker: **Michelle Linterman (Cambridge)**

16:00–17:00 Discussion and networking