

Cambridge Infectious Diseases: Meeting of Minds

8th December, Centre for Mathematical Sciences, Wilberforce Road Cambridge

9.00 Registration and Coffee		
9.45	Cambridge Infectious Diseases: where are we now?	Sharon Peacock (Medicine& Pathology)
Session 1: Tackling Global Health Issues		Chair: Duncan Maskell
10.00	Systematic extracellular protein interaction screens identify Basigin as a receptor essential for erythrocyte invasion by <i>Plasmodium falciparum</i>	Gavin Wright (Wellcome Trust Sanger Institute)
10.30	Collaborative research in Africa: parasitic worms, IgE, immunity and allergy	David Dunne (Pathology)
11.00	Disease, Undernutrition and Poverty – an unholy Trinity	Nick Mascie-Taylor (Anthropology)
11.30	Advantages and challenges in the implementation of point-of-care diagnostics for HIV detection in resource-limited settings	Helen Lee (Haematology)
12.00-1.00 Lunch		
Session 2: Surveillance and Epidemiology		Chair: Chris Gilligan
1.00	Investigating bacterial transmission, population structure and evolution using high throughput sequencing	Julian Parkhill (Sanger Institute)
1.30	Epidemiological dynamics of infection – focusing on bovine tuberculosis controls	James Wood (Vet Medicine)
2.00	Surveillance of transmissible spongiform encephalopathies (vCJD/BSE/scrapie) in humans, cattle and sheep	Sheila Bird (MRC Biostatistics)
2.30-3.00 Tea, Coffee & Biscuits		
Session 3: Major virological threats		Chair: Patrick Sissons
3.00	Getting Intimate with HIV	Andrew Lever (Medicine)
3.30	Modelling RNA viral dynamics and evolution	Simon Frost (Vet Medicine)
4.00	The evolution of influenza viruses	Derek Smith (Zoology)
4.30	Closing Remarks	Sharon Peacock