INFECTION AND GLOBAL HEALTH DAY 2017
Thursday 16 November | Victoria Gallery & Museum, Ashton Street, Liverpool L69 3DR

8:30-9:00 COFFEE AND REGISTRATION
9:00-9:05 Introduction: Professor Tom Solomon

SESSION 1
Chaired by Prof Miren Iturria-Gomara

9:05-9:20 Original antigenic sin in Japanese encephalitis virus vaccination
Filippo Tatullo, PhD Student [CIMI]

9:20-9:35 Understanding the determinants of Group A Streptococcal pathogenicity
Jenny Clarke, PhD Student [CIMI]

9:35-10:00 Research highlights
They knocked out BPIFA1. What happened next blew their minds
Prof. James Stewart [IB]

10:00-10:15 Ixodes ricinus tick activity – microclimate influence and Borrelia prevalence.
Liz McGinley, PhD Student [EPH]

10:15-10:30 Terazosin protects against experimental acute pancreatitis
Dr Ziqi Lin, Postdoctoral Research Associate [CIMI]

10:30-11:10 COFFEE & POSTERS

SESSION 2: IGH YEAR IN REVIEW AND TONY HART MEMORIAL LECTURE

11:15-11:45 IGH Year in Review
Professor Tom Solomon & Professor Nigel Cunliffe

11:45-11:50 Introduction to the Tony Hart Memorial Lecture

11:50-12:50 Tony Hart Memorial Lecture
Prof Sir Nicholas J White FRS, Wellcome Trust Mahidol Oxford Tropical Medicine Research Unit
“Vivax malaria”!

12:50-12:55 INSTITUTE PHOTOGRAPH

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SESSION 3
Chaired by Dr Andrew Jackson

14:20-14:35 Cellular Processing of Infectious Bronchitis Virus Spike, Membrane and Envelope Glycoproteins and Their Role in Virus Biology and as Targets for Antiviral Therapy
Zana Mahmood, PhD Student [IB]

14:35-14:50 Using Big Data to improve animal disease surveillance: investigating the Enhanced Infectious Diseases (EID2) database and WAHIS
Marie McIntyre, Postdoctoral Research Associate [EPH]

14:50-15:15 Research highlights
Identification of a single SNP that controls virulence of African Salmonella
Prof. Jay Hinton [Institute of Integrative Biology]

15:15-15:30 In vivo imaging of leucocyte migration in herpes simplex encephalitis
Benedict Michael, Postdoctoral Research Associate [CiMI]

15:30-15:45 The variant antigen profile: how protein models can elucidate diversity of variant surface glycoproteins in natural and experimental infections of Trypanosoma congolense
Sara Silva Pereira, PhD Student [IB]

15:45-16:00 REFRESHMENTS

SESSION 4
Chaired by Prof. Jonathan Rushton

16:00-16:15 Torix group Rickettsia are widespread in Culicoides biting midges (Diptera: Ceratopogonidae), reach high frequency and localise in the ovarian suspensory ligament
Jack Pilgrim, PhD Student [EPH]

16:15-16:30 Innate immune responses to Neospora caninum infection in cattle
Parul Sharma, PhD Student [IB]

16:30-16:55 Research highlights
Vaginal probiotics to prevent vaginal dysbiosis
Prof. Janneke Van De Wijgert [CiMI]
16:55-17:10  **Development of a pen-side diagnostic test for liver fluke infection in cattle and sheep**
Tessa Walsh, PhD Student [IB]

17:10-17:25  **Liposomes associated Mycobacterium glycolipids can modulate HIV-1 infection**
Marion Pouget, PhD Student [CIMI]

17:25-17:35  **IGH Mentor Scheme**
Professor Bill Paxton

17:35-17:45  **Institute of Infection and Global Health Awards**
IGH Poster Prize
IGH Oral Communication Prize
Allan Downie Prize
NE Roberts Prize
IGH Professional Services (Technical) Person of the Year
IGH Professional Services (Administrative) Person of the Year
IGH Researcher of the Year

17:45-18:45  **DRINKS RECEPTION**

18:45  **CLOSE**
Professor Tony Hart was one of the most successful and well-loved academics at the University and was Head of the Department of Medical Microbiology from 1986 until his death in 2007. Each year we celebrate his work and legacy by holding a memorial lecture in his name. This year’s lecture is being given by Professor Nick White.

Prof Sir Nicholas J White FRS, Wellcome Trust Mahidol Oxford Tropical Medicine Research Unit

Nick White is a Professor of Tropical Medicine at Mahidol University Thailand and at the University of Oxford, and a consultant physician in acute general medicine at the John Radcliffe Hospital, Oxford, UK. Professor White is a Wellcome Trust Principal Research Fellow. He chairs the Wellcome Trust’s South-East Asian Tropical Medicine Research Programmes. He also chairs the Drugs for Neglected Diseases initiative scientific advisory committee and co-chaired the World Health Organisation antimalarial treatment guidelines committee and the WHO Global Malaria Programme case management cluster. Prof White also serves on the editorial advisory boards of international journals including *The Lancet* and *PLoS Medicine*. He has contributed to over 1000 peer reviewed scientific publications and has written over 50 book chapters.

Nick White began his work in Thailand in 1980 with the Wellcome Trust Mahidol Oxford Tropical Medicine Research Unit, a collaborative research programme between Mahidol and Oxford Universities. In 1986 he was appointed as Director of the Thailand Unit, and in 1991 started the sister research unit in Vietnam. He trained in medicine in London at Guy’s Hospital and he has lived and worked in Thailand since 1980. His research focus is the pathophysiology and treatment of malaria. He has concentrated on characterising antimalarial pharmacokinetic -pharmacodynamic relationships to improve the treatment of malaria and to reduce the emergence of resistance. This led to artemisinin based combination treatment for falciparum malaria, and the change to artesunate for the treatment of severe malaria. He has authored over 1000 scientific publications and 50 book chapters. He has received several awards including the Prince Mahidol Prize for Medicine, the Canada Gairdner Foundation Global Health Prize, and the Royal Society of Tropical Medicine and Hygiene Manson medal. Nick White’s contribution to tropical medicine and global health was recognised with a UK Knighthood in 2017.