



2nd Symposium for Emerging Viral Diseases

Campus Biotech, Geneva, Switzerland, 10-12 April 2019

<https://www.unige.ch/emerging-virus-symposium/>

Daniel Henri Paris: Febrile Illnesses - What if it is not a Virus?



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Daniel H. Paris graduated in Human Medicine at the University of Zürich in 1996, and pursued a career combining Internal Medicine and Infectious / Tropical Diseases. From 2005-2016 he worked in Thailand with the Wellcome Trust Mahidol Oxford Tropical Medicine Research Unit, a collaborative research programme between Mahidol and Oxford Universities. He received a Wellcome Trust Research Training Fellowship in Clinical Tropical Diseases (2006), and completed his PhD in clinical tropical medicine in 2011. He was then elected as the Rickettsial Research Program Coordinator, Oxford Tropical Network (OTN), and became University Research Lecturer, Nuffield Department of Clinical Medicine, University of Oxford, UK. During this time he continued his clinical work as Honorary Clinical Consultant, Infectious Diseases, NHS Trust, Oxford Radcliffe Hospitals, UK.

Some research highlights he contributed to include the first discovery of scrub typhus in Chile, S-America (paradigm shift); Substantial improvements in validating the complicated rickettsial diagnostics (i.e. Bayesian Latent Class modelling); First antigenic cartography of *Orientia* spp. describing the antigenic relationships among human pathogens; First report of leeches as potential vectors for scrub typhus; Developing clinical disease severity markers for scrub typhus – nucleosomes and neutrophil activation; Assessing the cost-effectiveness of RDTs and Biomarker tests for tropical rickettsial illnesses; Description of the first phenotypic markers of immune protection in scrub typhus (NHP model); Development of a novel UV microscopy method for paired morpho- and genotyping of Trombiculid mites; and performing multiple clinical cohort fever studies with contribution to defining the regional epidemiology of infectious diseases in SE-Asia.