Viral Evolution: Linking Genetics to Epidemics

Friday 24 February - Chair: Thomas Lengauer

15:00 - 18:45

Sergey Kryazhimskiy Directionality and epistasis: How natural selection shapes the influenza A genome

Coffee Break (30 min)

Michael Lässig Influenza A: Genomics of a red queen race

Ville Mustonen Distinguishing Driver and Passenger Mutations in an Evolutionary History Categorized by

Interference

Break (20 min)

Trevor Bedford Canalization of the evolutionary trajectory of the human influenza virus

Julia Gog Age-structured model of influenza evolution

Saturday 25 February - Chair: Michael Lässig

09:00 - 13:00

Oliver Pybus Unifying the phylogeography and mathematical epidemiology of emerging epidemics

Alice McHardy Phylodynamic techniques for the study of evolutionary dynamics of influenza A viruses'

Annemie Vandamme Current controversies on the origin and adaptation of epidemic HIVs

Coffee Break (30 min)

Richard Neher The recombination rate of HIV and the role of recombination in chronic infection

Nico Pfeifer Modeling HIV Evolution in Treatment-Naïve Patients

Nico Beerenwinkel Estimating the structure of viral quasispecies from deep sequencing data

13:00 - 14:00 Lunch