



# Novel Insights From Computational Approaches to Infection and Immunity

The Atrium, Royal Free Hospital, Pond St., NW3 2QG

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The Infection and Immunity Computational Hub

30<sup>th</sup> June 2014

9.00 am - 6.00 pm

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08.30-09.15	Registration
09.15-09.30	Welcome Note <b>Hans Stauss</b>
09.30-10.10	HIV infection and the human immune response: systems medicine approaches toward personalised medical treatment <b>Peter Coveney</b>
10.10-10.50	Predicting Long-term CD4 T Cell Reconstitution in HIV-infected Children Starting Antiretroviral Therapy <b>Robin Callard</b>
10.50-11.15	Coffee Break
11.15-11.55	Using phylogenetics to study HIV transmission <b>Richard Goldstein</b>
11.55-12.35	A systems biology approach to dissecting the response to steroids in immune cell types <b>Vincent Plagnol</b>
12.35-14.00	Lunch
14.00-14.40	Feature recognition in analysis of the T cell receptor repertoire <b>Benny Chain</b>
14.40-15.20	Phylogenomics: Investigating the population diversity and epidemiology of Shigella at the global and local level. <b>Nick Thomson</b>
15.20-15.40	Coffee Break
15.40-16.20	Serial samples, ancient samples and the reconstruction of past demography <b>Francois Balloux</b>
16.20-17.00	Noise and intelligence in intracellular gene-regulating networks <b>Alexey Zaikin</b>
17.00-17.45	Keynote: A natural slowing down of HIV immune escapes despite excellent immune control. <b>Rob De Boer</b>
17.45-18.00	Concluding Remarks – <b>Judy Breuer</b>
18.00	Drinks Reception