

2nd annual meeting/discussion forum on

Physical concepts and computational models in immunology

PROGRAM

Wednesday, September 26

TUTORIALS

ROOM CONF IV, 2nd floor, 24 rue Lhomond

14:00 - 15:00	ARUP CHAKRABORTY Introduction, B-cells, affinity maturation
15:00 - 16:00	ALEKSANDRA WALCZAK T-cells and basics of population genetics
16:00 - 16:30	coffee
16:30 - 17:30	MICHAEL LÄSSIG Viruses, fitness landscapes, co-evolution, interaction models

Thursday, September 27

SALLE DUSSANE, 45 rue d'ULM

9:30 - 9:45	Welcome	13:05 - 15:00	LUNCH - foyer of salle Dussane
9:45 - 10:25	PHILIPPE BOUSSO Decoding tumor immunotherapies at the single cell level	15:00 - 15:40	NICOLAS CHEVRIER A predictive framework for adjuvant combinatorics reveals potent anti-cancer vaccines
10:25 - 11:05	MAX ARTYOMOV Complete deconvolution of cellular mixtures based on linearity of transcriptional signatures	15:40 - 16:20	PAUL THOMAS T-cell receptors, crossreactivity, and the limits of specificity
11:05 - 11:45	COFFEE	16:20 - 17:00	COFFEE
11:45 - 12:25	GOSIA TRYNKA Functional fine-mapping of GWAS variants for complex immune traits	17:00 - 17:40	ARMITA NOURMOHAMMAD Population dynamics of immune repertoires in response to HIV-1
12:25 - 13:05	JAYAJIT DAS Mechanisms of activation and tolerance in Natural Killer cells	18:00 - 20:30	POSTERS - 24 rue Lhomond L369, 3 rd floor (cocktail)

Friday, September 28

SALLE DUSSANE, 45 rue d'ULM

9:20 - 10:00	ANASTASIA KOMAROVA Viral infection and discrimination of non-self RNAs by the host	10:40 - 11:20	COFFEE
10:00 - 10:40	ADAM DINGENS Mapping mutational effects along the functional and antigenic landscape of HIV-1 Envelope	11:20 - 12:00	KRISTIAN ANDERSEN Outbreakomics
		12:00 - 12:40	SIMONA COCCO The effect of antigen concentration on antibody affinity maturation
		12:40 - 13:00	Wrap up discussion and bye bye