

2d ImmunoComplexiT network meeting April 8-9th 2013
Institut des Systèmes Complexes Paris Île-de-France,
57-59 rue Lhomond, F-75005, Paris- France
<http://www.immunocomplexit.net/>

A 2 days meeting/discussion between interdisciplinary participants designed according to the [RNSC roadmap complexity of the immune system](#):

- Objective identification of immune system cell populations
- Lymphocyte population dynamics & repertoire selection: Integration of multilevel/ multiscale data and dynamic modeling
- Understanding resilience or instabilities to perturbations, immune dysfunction in order to improve immuno-intervention strategies
- Extract, visualize and organise immunological knowledge from scientific immune literature
- Contribute to global evaluation of complex systems and risk issue

Monday April 8th

9:30-10:15	Véronique Thomas-Vaslin	Understanding the complexity of the immune system
10:15-11 :05	Rodolphe Thiebault	Integrative analysis of the immune response to a dendritic cell based HIV therapeutic vaccine
Coffee break		
11:30-12h20	Fabien Crauste	Predicting pathogen-specific CD8 T cell immune response from a modelling approach
12:20-12h30	Maria Gracia Ruocco	Visualizing tolerance induction: behavior and function of regulatory T cells during the establishment of materno/fetal tolerance
Lunch around posters		
14:00-15:00	Antonio Cosma	Decrypting cell populations by cytometry
15:00-16:00	Ioanis Drakos	Data lifecycle management in systems immunology
Coffee break		
16:00-17:00	Camilo LA ROTA	Complex System's Modeling with CoSMo, application to the immune system
17:00-18 :30		General /group discussions

Tuesday April 9th

9:30-10:00	Encarnita Mariotti-Fer-randiz	High-throughput sequencing provides quantitative evidence for distinct central and peripheral Tregs TCR repertoires
10:00-10:45	Aleksandra Walczak	Quantifying immune receptor diversity
Coffee break		
11h00-11h45	Pierre Boudinot	Teleost Fish Mount Complex Clonal IgM and IgT Responses in Spleen upon Systemic Viral Infection
11:45-12h45	Jean-Gabriel Ganascia	Inconsistency Robutsness
Lunch around posters		
14:00-14:30	Alaa Abi-Haidar	What can Immunologists learn from data mining?
14:30-15:30	Luis Rocha	Turing's Tape and Immunocomplexity
Coffee break		
15:45-16:45	Frédéric Jacquemart	Un enjeu capital pour le monde moderne: l'évaluation globale
16:45-18:30		Future of the network-group discussions-collaborations...