

Under the joint auspices of:
Chair of Molecular Immunology
and the **Chair of Microbiology and Infectious Diseases**

"VACCINES OF THE FUTURE: LEARNING FROM NATURE TO IDENTIFY NEW TARGETS AND DO BETTER THAN NATURE"

Collège de France
11, place Marcelin Berthelot, Paris 5^e
Lecture hall Marguerite de Navarre

MONDAY, 12, APRIL 2010

08:30 – 09:00 **Registration**

09:00 – 09:15 **Introduction**

09:15 – 09:45 **Keynote address**

Stanley Plotkin, **Vaccination throughout centuries: from empirism to “omics “**

SESSION 1 : WHAT CAN WE LEARN FROM NATURE? LESSONS FROM THE HOST SIDE

09:45 – 10:15 Lluís Quintana-Murci, **Human genetics and innate response**

10:15 – 10:45 *Coffee break*

10:45 – 11:15 C. A. Reynaud, **A mouse model for studying long-term memory**

11:15 – 11:45 Richard Aspinall, **Immune responses throughout life span: the issue of immunosenescence**

12:00 – 14:00 *Lunch*

SESSION 2 : WHAT CAN WE LEARN FROM NATURE? LESSONS FROM HOST-PATHOGEN CROSS-TALKS

14:00 – 14:30 Lucia Mori, **Non-conventional antigens: CD1-glycolipid complexes**

14:30 – 15:00 Suzana Salcedo, **The *Brucella* Btp1 effector and the control of dendritic cell maturation**

15:00 – 15:30 Patrice Debré, **Towards a vaccine against AIDS: a role of NK cells**

15:30 – 16:00 *Coffee break*

16:00 – 16:30 G. Silvestri, **Lessons from natural simian immunodeficiency virus infections of African nonhuman primate hosts**

16:30 – 17:00 M. Benkirane, **MicroRNA effectors to « silence » HIV replication**

17:00 – 17:30 Jonathan Howard, ***Toxoplasma gondii* and the Immunity-related GTPase (IRG) resistance sytem**

TUESDAY, 13, APRIL 2010

SESSION 2 : WHAT CAN WE LEARN FROM NATURE? LESSONS FROM HOST-PATHOGEN CROSS-TALKS

- 09:00 – 09:30** F. Trottein, **NKT cells during infection: from viruses to helminth parasites**
09:30 – 10:00 Robert Ménard, **A new view of the malaria life cycle**

SESSION 3 : WHAT CAN WE LEARN FROM IMMUNE RESPONSES TO INFECTION OR VACCINE?

- 10:00 – 10:30** H. Dockrell, **Developing versus developed countries: differences in the immune response to BCG vaccination**
10:30 – 11:00 *Coffee break*

SESSION 4 : TO DO BETTER THAN NATURE: SUCCESS AND REMAINING CHALLENGES

- 11:00 – 11:30** Xavier Saelens, **Towards a universal flu vaccine**
11:30 – 12:00 P.D. Griffiths, **Vaccines against chronic infection: the issue of CMV**
12:00 – 12:30 E. Wimmer, **Novel viral vaccines by whole genome synthesis**
12:30 – 13:00 P. Kourilsky, P. Sansonetti, A. Phalipon, F. Tangy, **Round Table : Facing the challenges of the future**

End of the Meeting

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