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

Collège de France
11, place Marcelin Berthelot, Paris 5e
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  Lluis 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 system
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

Philippe Kourilsky  
Chair of Molecular Immunology, Collège de France

Philippe Sansonetti  
Chair of Microbiology and Infectious Diseases, Collège de France

Armelle Phalipon  
Unité de Pathogénie Microbienne Moléculaire, Institut Pasteur

Frédéric Tangy  
Laboratoire de Génomique Virale et Vaccination, Institut Pasteur