

Meeting ANRS AC 31 «macrophages and HIV »

“Targeting monocytes and macrophages in HIV infection: From the sites of viral entry to therapy”

October 21th 2011- 9:00-17:30

Cochin Institute, Paris

22 rue Méchain, 2nd Floor

RER: Port-Royal, bus: 38, 83, 91

9:00-9:10 **Welcome and opening**

Session 1. Monocyte/macrophages subsets in HIV infection and pathogenesis

9:10-9:50 **Frederic Geissmann** - King's College, London, GB

“Functional characterization of blood monocytes” (30 min + 10 min disc)

9:50-10:10 **Cécile Butor** - Université Paris Diderot, Paris, Fr

“Role of macrophages/DC at viral entry sites” (15 min + 5 min disc)

10:10-10:30 **Yonatan Ganor** – Institut Cochin, Paris, Fr

“Penile urethral macrophages are a major site of entry for HIV-1 in men” (15 min + 5 min disc)

10:30-10:50 **S. Bernard-Stocklein** - Institute of Emerging Diseases and Innovative Therapies, CEA, Fontenay-aux-Roses, Fr

“Role of semen infected macrophages in SIV transmission: the cynomolgous macaque model” (15 min + 5 min disc)

10:50-11:10 Coffee break

11:10-11:20 **Christel Vérollet** - IPBS-CNRS/IPBS-CNRS, Toulouse, Fr

“HIV-1 Nef controls the 3D-migration of infected macrophages: Becoming giant to better migrate” (10 min including disc)

11:20-11:40 **Marion Duriez**, Institut Pasteur, Paris, Fr

“Decidual APC: target or barrier to materno-fetal transmission?” (15 min + 5 min disc)

11:40-12:00 **Anne Hosmalin, Charles-Antoine Dutertre**, Institut Cochin, Paris, Fr

“Pro-inflammatory monocytes in HIV infection”(15 min + 5 min disc)

12:00-12:30 **Caroline Soulas**, Boston College, Boston, US

“Macrophage populations involved in SIV and HIV Encephalitis” (20 min + 10 min disc)

12:30-13:30 Lunch

Session 2. Host factors in HIV replication in macrophages:

13:30-14:00 **Neeltje Kootstra**, Academic Medical Center, Amsterdam, The Netherlands

“Genetic determinants in HIV-1 replication in macrophages” (20 min + 10 min disc)

14:00-14:20 **Hélène Bauby**, Institut Cochin, Paris, Fr
"TIP47 is required for the production of infectious HIV-1 particles from primary macrophages" (15 min + 5 min disc)

14:20-14:40 **Monsef Benkirane**, Institut de Génétique Humaine UPR1142, Montpellier, Fr
"SamhD1 restriction activity and evolution" (15 min + 5 min disc)

14:40-15:00 **Hichem Lahouassa**, Institut Cochin, Paris, Fr
"Mechanism of action of HIV-2/SIV Vpx protein" (15 min + 5 min disc)

15:00-15:20 **Caroline Goujon**, King's College London School of Medicine, London, GB
"Characterization of the barrier conferred by type I interferon on the early steps of HIV-1 infection in macrophages" (15 min + 5 min disc)

15:20-15:40 Coffee break

Session 3. Therapy and macrophages:

15:40-16:00 **Caroline Soulas**, Boston College, Boston, US
"Targeting monocyte activation" (15 min + 5 min disc)

16:00-16:30 **Dorothee von Laer**, University of Innsbruck, Austria
"Generation of HIV-1 resistant immune cells by gene therapy" (20 min + 10 min disc)

16:30-17:10 **Francesca Ceccherini-Silberstein**, University 'Tor Vergata', Rome, Italy
"Macrophage infection and cART" (30 min + 10 min disc)

17:10-17:30 General Discussion

17:30 End of the meeting