

**Mother-to-child transmitted viral diseases :
from transmission to children care**

Thursday, March 26, 2009

5:00 pm: Opening Ceremony:

Chairs : F. Barré-Sinoussi, J. Whitescarver

Welcome addresses :

J.E. Touzet, Directeur de l'Ecole d'Application des Armées
du Val de Grâce

C. Rouzioux , S. Blanche, D. Béquet, chairs of the conference

L1 - 5:15 pm

Introductory lecture: **Human genome variability and host-pathogen interactions**

L. Quintana-Murci (France)

**L2 - 5:45 pm Session 1 : Mechanisms of viral transmission and
physiopathology in infected infants**

Chairs : G. Scarlatti, E. Menu

Keynote Lecture: **Perspectives on pathogenesis and prevention of congenital
herpes virus infection**

M. Schleiss (USA)

6:15

O1 - Effects of HPV-16 early proteins on trophoblastic cells

S. Boulouvar, C. Weyn, M. Van Noppen, M. Ali Mohamed, F. Bex, A. Noël, Y.
Englert, V. Fontaine

6:30

**O2 - Activation of PPAR γ by Human CMV for de novo Replication Impairs
Invasiveness of Cytotrophoblast from Early Placenta**

B.Rauwel, B.Mariamé, H.Martin, D. Evain-Brion, T. Fournier, C. Davrinche

6:45

**O3 - Mother-to-child transmission of HTLV-1: In vitro study of HTLV-1
passage across a tight human epithelial barrier**

S. Martin-Latil, N. Gnädig, A. Mallet, M.C. Prevost, M. Desdouits, A. Gessain, S.
Ozden, P.E. Ceccaldi

7:00

**O4 - Dendritic cells sample HIV-1 through an intestinal epithelial cell
monolayer**

M. Cavarelli, C. Foglieni, M. Rescigno, G. Scarlatti

7:30 pm : WELCOME RECEPTION

Friday, March 27, 2009

L 3 - 9:00 am Session 2 : Mother & child immunity and transmission

Chairs : M. Morgado, D. Scott-Algara

Keynote Lecture: **Mother and fetal immunity to CMV**

A. Marchant (Belgique)

9:30

O5 - Unusual natural killer cell responses to HIV-1 peptides are associated with protection against maternal-infant transmission of HIV-1

C. Tiemessen, S. Shalekoff, S. Meddows-Taylor, D. Schramm, M.

Papathanasopoulos, G. Gray, G. Sherman, A. Coovadia, L. Kuhn

9:45

O6 - CD14+ cells are the main targets for HIV-1 infection in first trimester pregnancy human uterine mucosa

R. Marlin, M.T. Nugeyre, C. de Truchis, N. Berkane, A. Gervaise, F. Barré-Sinoussi, E. Menu

10:00

O7 - Phenotypic characterization of HIV-specific CD8 T cells during acute infant HIV infection

J. Slyker, T. Dong, G. John-Stewart, B. Lohman-Payne, M. Reilly, A. Atzberger, S. Taylor, E. Maleche-Obimbo, D. Mbori-Ngacha, S. Rowland-Jones

10:15

O8 - Human Immunodeficiency Virus-Specific B Cells in Human Breast Milk

E. Tuaille, D. Valea, Y. Al Tabaa, P. Becquart, N. Meda, K. Bollore, J.P.

Vendrell, P. Van de Perre

10:30

O9 - Transmission of Hepatitis B virus (HBV) minor variants in children born to HBV/HIV co-infected mothers

W. Khamduang, C. Gaudy-Graffin, A. Moreau, N. Ngo-Giang-Huong, G. Jourdain, M. Lallemand, S. Pipatnakulchai, C. Putiyanun, S. Kunkongkapan, P. Wannarit, S. Sirinontakan, W. Ardong, W. Sirirungsi, A. Goudeau

10:45-11:15 am *Coffee break and poster viewing*

L 4 - 11:15 am Session 3: Treatment and prevention in mother and child

Chairs : P. Van de Perre, T. Sint

Keynote Lecture: **The art and Science of preventing and treating HIV disease in children: a life cycle approach**

E. Abrams (USA)

11:45

O10 - Very Early diagnosis of HIV infection in newborn at day 0-day 3 on DBS in Cambodia

S. Ngim, S. Kruey Leang, C. Kong, S. Im, V. Lim, M. Ly Ek, D. Augustinova, K. Koum, C. Rouzioux, E. Nerrienet

12:00

O11 - High frequency of belated HIV diagnoses in pediatric population in Buenos Aires, Argentina.

M. Vignoles, G. Barboni, M.R. Agosti, M. García, S. González Ayala, H. Salomón

12:15

O12 - New approach for congenital CMV infection diagnosis in neonates: sensibility and specificity of CMV detection in dried blood spots

M. Leruez-Ville, C. Vauloup-Fellous, S. Couderc, S. Parat, S. Oucherif, J.F. Magny
12:30

O13 - Use of chloroquine in reducing mother to child transmission of HIV-1 during breastfeeding

M. Naarding, S. Luchters, J. Vyankandondera, F. Wit, N. Veldhuijzen, B. Kankindi, R. Sparidans, J. Beijnen, G. Pollakis, J. Boelaert, J. Lange, W. Paxton
12:45

O14 - High emergence of drug resistance after HAART interruption at delivery in a cohort of HIV+ pregnant women submitted to antiretroviral treatment to prevent mother-to-child transmission in Rio de Janeiro, Brazil.

J.H. Pilotto, B. Grinsztejn, V. Veloso, J.C. Couto-Fernandez, A. Rodrigues-Pedro, C.A. Velasco-de-Castro, J. Eurico Ribeiro, R. Khalili, S. Muri, R. Ismerio, J. Courier, M.G. Morgado
13:00

O15 - Risk factors for HCV infection in HIV positive pregnant women and rate of HCV perinatal transmission in Thailand

N. Ngo-Giang-Huong, L. Decker, W. Sirirungsi, S. Le Coeur, G. Jourdain, W. Khamduang, S. Kanjanavanit, W. Matanasaravoot, C. Putiyanun, F. Barin, M. Lallemand

13:15- 2:15 pm *Lunch and poster viewing*

L 5 - 2:15 pm Special Lecture: **Developmental pharmacology of antiretroviral drugs**

J.M. Tréluyer (France)

Chair : S. Blanche

L 6 – L 7 - 2:45 p.m. Debate : Prevention of Breast-feeding Transmission of HIV-1: treating the mother, the baby, or both of them ?

Chair : M.L. Newell

Prevention of breastfeeding transmission of HIV-1 by infant peri-exposure prophylaxis

P. Van de Perre

Universal antiretroviral therapy for pregnant and breastfeeding HIV-infected women: Towards the elimination of mother-to-child transmission of HIV-1 in resource-limited settings?

R. Becquet

3:30 – 4:00 pm *Coffee break and poster viewing*

L 8 - 4:00 Session 4: MTCT prevention programme implementation and evaluation

Chairs : V. Noba, D. Ekouevi

Keynote Lecture: **Challenges in the management of HIV infected pregnant women and their infants: progress in PMTCT programmes**

M.L. Newell (UK)

4:30

O16 - Barriers to HIV testing among mothers at a maternity ward in Phnom Penh, Cambodia

K. Kanai, Y. Sasaki, K. Kakimoto, V. Sathiarany, Y. Shirayama, M. Ali, C. Kuroiwa, K. Shibuya

4:45

O17 - PMTCT activities implementation : case of côte d'ivoire, from ACONDA's experience

H.P. Aka Kouamé, N. Dakoury Dogbo, T. Siaka, V. Noba

5:00

O18 - Prevention of HIV mother-to-child transmission and congenital syphilis in Brazil: lessons from the public policy perspective.

G. Le Loup, A. de Assis, M.H. Costa-Couto, J.C. Thoenig, S. Fleury, K. Camargo, B. Larouzé

5:15

O19 - Effectiveness of a district-wide programme for the prevention of mother-to-child transmission of HIV in Cambodia. Experience from six maternity units in Phnom Penh and Kandal.

D. Augustinova, A. Stranska, K. Koum, S. Ean, S. Vong, C. Kong, S. Ngin, E. Nerrienet, M. Bandzak

5:30

O20 - Is marital status and information of the father associated with access to prevention of mother-to-child HIV transmission?

C. Jasseron, L. Mandelbrot, S. Blanche, R. Tubiana, J. Le Chenadec, J.P. Teglas, C. Dolfus, A. Faye, C. Rouzioux, J. Warszawski

5:45

O21 - Why do HIV negative mothers refuse to participate in a clinical research involving HIV positive mothers in Cameroon?

MC. Tejiokem, G. Guemkam, C. Same Ekobo, I. Penda, A. Nga, P. Mbida, Marie L. Belinga, C. Tocko, F. Ateba Ndongo, J. Audrey Ndongo, M. Mekoudjou, A. Kfutwah, D. Rousset, J. Warszawski, A. Faye

6:15 p.m.: **Concert at the Val de Grâce Chapel
followed by a Wine and Cheese getting together**

Saturday, March 28, 2009

L 9 - 9:00 am

Session 5: Infected child treatment and coinfections

Chairs: P. Vaz, K.T.K. Dung

Keynote Lecture: **TB exposure and disease in children born to HIV-infected mothers**

B.J. Marais (South Africa)

9:30

O22 – High incidence of invasive group B streptococcal infections in uninfected infants born to HIV-1-infected mothers

C. Epalza, T. Goetghebuer, M. Hainaut, P. Barlow, A. Dediste, P. Melin, J. Levy

9:45

O23 - Perinatal transmission of Cytomegalovirus (CMV) in children born to HIV positive and negative women in Cameroon

A. Kfutwah, M. Tejiokem, A. Faye, M. Yonga, J. Warszawski, S. Blanche, C. Rekacewicz, F. Ateba, J. Ndong, G. Guemkam, C. Same-Ekobo, C. Rouzioux, M. Leruez-Ville, P. Boisier, D. Rousset

10:00

O24 - Frequency of Resistant Virus and Options for a Second-Line treatment for HIV-1 Infected Children under HAART in Mozambique

M.L. Chaix, I. Jani, E. Macassa, D. Bila, A. Vubil, S. Andersson, C Rouzioux, P Vaz, S. Blanche

10:15

O25 - Lopinavir/ritonavir-based Second Line Antiretroviral Treatment in children at National Pediatric Hospital, Phnom Penh, Cambodia

S. Sam, V. Ung, C. Huot, B. Chan, K. Yuvatha, C. Courpotin, G. Adam, S. Ngin, E. Nerrienet, Y. Meng Chhour

10:30-11:00 am *Coffee break and poster viewing*

11:00 am: Closing ceremony

Chairs: S. Blanche, C. Rouzioux, D. Béquet

Concluding remarks : C. Rouzioux

Memorial lecture : Viruses and the developing brain

L 10 - M. Tardieu (France)

Welcome to the DDIC 2010

12:30 pm: closing of the conference

P1 - The trophoblast : A model to study HPV transcription, replication and host cell interactions

V. Fontaine, S. Boulenouar, C. Weyn, Y. Englert

P2 - Evolution of HIV-1 envelope sequences and coreceptor tropism during pregnancy.

D. Ransy, J. Couto, B. Akouamba, J. Samson, N. Lapointe, M. Boucher, H. Soudeyns

P3 - Rapid spread of genetically stable HIV-1 CRF01_AE in pregnant women, compared with sequences from intravenous drug users, in Northern Vietnam.

H. Thi Thanh Tran, S. Gaseitsiwe, I. Maljkovic Berry, H.V. Pham, M.A. Nguyen, B.H. Nguyen, K.D. Dinh, H.T. Nguyen, C. D. Phung, F. Chiodi, T. Leitner, A. Ehrnst

P4 - Highly activated CD4⁺ T cells spontaneously producing HIV-1 persist in breast milk from women treated with antiretroviral drugs.

D. Valea, E. Tuaille Y. Al Tabaa, N. Meda, F. Rouet, V. Foulongne, K. Bolore, J.P. Vendrell, P. Van de Perre

P5 - Maternal neutralizing antibodies against a CRF01_AE primary isolate are associated with a low rate of intrapartum HIV-1 transmission in Thailand

S. Thenin, T. Samleerat, G. Jourdain, N. Ngo-Giang-Huong, A. Moreau, P. Leechanachai, M. Lallemand, F. Barin, M. Braibant

P6 - HCV infection in a sample of pregnant women in central Poland: seroprevalence and risk factors

M. Aniszewska, B. Kowalik-Mikolajewska, M. Pokorska-Lis, M. Kalinowska

P7 - CD4⁺ T lymphocyte response to primary CMV infection

P. Antoine, V. Olislagers, S. Lecomte, C. Liesnard, C. Donner, A. Marchant

P10 - Early diagnosis of HIV-1 infection in infants using RNA Quantitative PCR in Burkina Faso

H. Somlare, L. Sangare, S. Yameogo, C. Ouedraogo, Y. Dembele, M. Soro, P. Some, C. Yonaba

P11 - Couple issues in the last pregnancy experience of HIV+ women knowing their status before pregnancy

N. Trocmé, M.D. Tabone, M.F. Courcoux, L. Stengel, C. Dollfus

P12 - Evolution of the biological follow-up of efficiency and tolerance of a once daily antiretroviral treatment with 3TC+DDI+EFV in children infected with HIV-1 (CLINICAL TRIAL ANRS 12 103)

B. Nacro, Y. Diasso, E. Zoure, P.S. Diagbouga, P. Van de Perre, A. Drabo, A. Ouiminga, F. Rouet, D. Kania, S. Yameogo, A. Hien, H. Hien, P. Msellati

P13 - Transient elastography (Fibroscan) in HIV-1 vertically infected children. A cross-sectional study

F. Monpoux, E. Huguon, R. Truchi, A. Rubio, V. Triolo, A. Deville, P. Boutte, A. Tran

P14 - Motherhood in HIV+ women infected in early childhood .

C. Dollfus, N. Trocmé, M.D. Tabone, G. Vaudre, C. Courpotin, G. Leverger

P15 - Health care of children diagnosed HIV positive before 18 months in Chea Chumneas Hospital, Takhmao, Cambodia.

D. Augustinova, B. Ban, C. Kong, K.S. La, S. Prem Prey, M. Kong, S. Ngin, E. Nerrienet, M. Bandzak

P16 - A Ukraine Birth Cohort of Children With Vertically Acquired HIV Infection

S. Mahdavi, C. Thorne, R. Malyuta, I. Semenenko, T. Pilipenko

P17 - Adherence in HIV-1 infected children taking once daily HAART with Didanosine + Lamivudine + Efavirenz in west Africa. ANRS 12103 clinical trial

J. Somé, B. Nacro, H. Hien, H. Tamboura, E. Zouré, S. Diabougua, A. Ouiminga, A. Drabo, A. Hien, S. Yaméogo, P. Van De Perre, P. Msellati

P18 - Vertical transmission of Hepatitis C Virus in children born to HIV/HCV coinfecting mothers in Poland

S. Dobosz, M. Marczyńska, A. Oldakowska, M. Szczepanska-Putk, K. Zawadka

P19 - Are recommended dose of efavirenz optimal in young children? (ANRS 12103)

D. Hirt, S. Urien, M. Olivier, H. Peyrière, B. Nacro, S. Diabougua, E. Zouré, F. Rouet, H. Hien, P. Msellati, P. Van de Perre, J.M. Tréluyer

P20 - Didanosine population pharmacokinetics in West African HIV-infected children administered once daily tablets in relation to efficacy after one year of treatment (ANRS 12103).

D.Hirt, C. Bardin, S. Diabougua, B. Nacro, H. Hien, E. Zouré, F. Rouet, A. Ouiminga, S. Urien, V. Foulougue, P. Van de Perre, J.M. Tréluyer, P. Msellati