Program

Saturday, June 4, 2011
19:00 - 21:00  Welcome reception

Chair: Genoveffa Franchini

Opening Lecture

“HTLV-I, the first human retrovirus”
Robert Gallo

Sunday, June 5, 2011
08:30 - 17:30  Oral presentations

08:30 - 08:40  State of the art and summary of session: Fabiola Martin "A Leukemia and Lymphoma Research presentation"

08:45 - 09:00  Can we cure HTLV-I associated Adult T cell Leukemia Lymphoma?
Ali Bazarbachi

09:05 - 09:15  Promising Results of an Anti-CCRF4 Antibody, KW-0761, for Relapsed Adult T-Cell Leukemia
Atae Utsunomiya

09:20 - 09:30  Targeting HTLV-I Latency in Adult T-cell Leukemia/lymphoma
Juan Carlos Ramos

09:35 - 09:45  A neutralizing monoclonal antibody (mAb A24) directed against the transferrin receptor induces apoptosis of tumor T lymphocytes from ATL patients
Olivier Hermine

09:50 - 10:00  Cumulative kinetics of epigenetic abnormalities during initiation and progression of Adult T cell Leukemia/Lymphoma (ATLL)
Takashi Oka

10:05 - 10:25  Coffee break

10:30 - 10:40  Clinical subtype of HAM/TSP based on clinical course and laboratory findings
Yoshihisa Yamano

10:45 - 10:55  Recent epidemiologic trends of HAM/TSP in Japan
Shuji Izumo

11:00 - 11:10  Circularised 1 and 2 LTR DNA circles are present in freshly and chronicallyinfected cell lines and patient PBMCs, indicating ongoing reverse transcriptase usage
James Fox

11:15 - 11:25  Infection with Human T Lymphotropic Virus 1 is associated with bronchiectasis among Indigenous Australians
Lloyd Einsiedel

11:30 - 11:40  Integrase inhibitors effective against human T-cell leukemia virus type 1
Lee Ratner

11:45 - 12:55  Lunch

Animal Models

Chair: Hisatoshi Shida and Mirdad Kazanji

13:00 - 13:10  State of the art and summary of session: Michael Lairmore

13:15 - 13:30  ATL like overgrowth and clonal expansion of HTLV 1 infected CD25+ CD4+ T lymphocyte in humanized NOG mouse model
Jun ichi Fujisawa

13:35 - 13:45  HTLV 1 propels thymic human T cell development in “human immune system” Rag2 / IL 2R Yc / Mice
Julien Villaudy
13:50 – 14:00  Activation of HTLV 1 expression in chronically infected CD4+ T cells: mechanisms and implications for pathogenesis  
Arnold Rabson

14:05 – 14:15  Comparative proteomic analysis of cancer stem cells in a Tax transgenic (TaxTg) mouse model of adult T cell leukemia/lymphoma  
Tadaki Suzuki

14:20 – 14:30  Entry Inhibition of Human Retroviruses in Rat Cells  
Hisatoshi Shida

14:35 – 14:45  High throughput sequencing reveals novel microRNAs in the Bovine Leukemia Virus (BLV) induced ovine model of leukemia  
Anne Van den Broeke

14:50 – 15:10  Coffee break

15:15 - 15:30  State of the art and summary of session: Vincenzo Ciminale

15:35 – 15:45  New insights into HTLV entry  
Claudine Pique

15:50 – 16:00  Mother to child transmission of HTLV 1: in vitro study of HTLV 1 passage across a tight human epithelial barrier  
Pierre-Emmanuel Ceccaldi

16:05 – 16:15  Analysis of the HTLV 1 Gag Assembly Pathway by Biophysical Fluorescence  
Keir Fogarty

16:20 – 16:30  Human T lymphotropic Virus Type 1 p30 Interacts with REGγ and ATM (Ataxia Telangiectasia Mutated) to Promote Cell Survival  
Michael Lairmore

16:35 – 16:45  Comparative structural analysis of retroviral fusion proteins identifies regions that modulate membrane fusion: a potential retroviral achilles heel?  
David Brighty

16:50 – 17:00  APO-2 and Tax expression are correlated with a HTLV-2 proviral load but not with lymphocytosis  
Renaud Mahieux

17:00 – 17:15  Cellular tropism exhibited by human T lymphotropic virus type 1 (HTLV 1) and type 2 (HTLV 2)  
Patrick Green

17:20 – 17:30  Tax mediated re routing of the HTLV 1 p13 protein to nuclear speckles  
Cynthia Masison

17:35 - 19:30  Poster session 1 with Belgian beer & cheese

08:30 - 17:10  Oral presentations

8:30 – 8:40  State of the art and summary of session: Renaud Mahieux

8:45 – 8:55  HTLV 1 Tax induced NF κB activation is negatively regulated by Ubiquitin specific peptidase 20 (USP20)  
Junichiro Yasunaga

9:00 – 9:10  STAMBPL1 is a deubiquitinating enzyme that regulates HTLV 1 Tax subcellular localization and NF κB activation  
Alfonso Lavorgna

9:15 – 9:30  The SUMO targeted ubiquitin ligase RNF4 regulates localization and function of the HTLV 1 oncprotein Tax  
Oliver Semmes

9:30 – 9:40  Genetic and epigenetic loss of miR 31 activates NIK dependent NF κB pathway in Adult T cell Leukemia  
Makoto Yamagishi

9:45 – 9:55  JunD/HBZ enhances HTLV-1 antisense transcription  
Jean Marie Peloponese

~ 2 ~
10:00 – 10:10 HBZ inhibits the HAT activity of the cellular coactivators p300 and CBP
Isabelle Lemasson

10:15 – 10:35 Coffee break

Chairs Patrick Green and Genoveffa Franchini

10:40 – 10:50 NF κB hyper activation by HTLV 1 Tax induces cellular senescence, but can be alleviated by the viral anti sense protein HBZ
Chou Zen Giam

10:55 – 11:05 Interaction of HTLV 1 Tax with minichromosome maintenance proteins accelerates the replication timing program
Mathieu Boxus

11:10 – 11:20 Coordination of the canonical and noncanonical IKK/NF κB signaling pathways in HTLV I Tax mediated tumorigenesis
Gutian Xiao

11:25 – 11:35 HTLV 1 modulates alternative splicing in CD4+ T cells in vivo
Franck Mortreux

11:40 – 11:50 Human T Lymphotropic Virus Type 1 transcription and chromatin remodeling complexes
Fatah Kashanchi

11:55 – 12:05 HTLV1 Tax1 represses the proapoptotic protein Bim, which is crucial for Tcell transformation
Masaya Higuchi

12:10 – 13:25 Lunch

Chairs: William Switzer and Robert Silverman


13:40 – 14:00 Human infection or lab artifact: will the real XMRV please stand up?
Robert Silverman

14:05 – 14:15 Multi-laboratory evaluations of XMRV nucleic acid detection assays
Graham Simmons

14:20 – 14:30 Prevalence of XMRV in Blood donors, HTLV and HIV Cohorts Abbott
Xiaoxing Qiu

14:35 – 14:45 Development of XMRV Producing B Cell Lines from Lymphomas from Patients with Chronic Fatigue Syndrome
Francis Ruscetti

14:50 – 15:00 Regulation of Foamy Virus Protease Activity by Viral RNA
Birgitta Wöhrl

15:05 – 15:15 Preferential expression of human endogenous retrovirus K (HERV K/HML 2) type 1 in tumor cells
Camila Romano

15:20 – 15:30 Independent evolution of intracellular transposons from exogenous IAP related retroviruses in a broad range of mammalian species
Gkikas Magiorkinis

15:35 – 15:55 Coffee break

Chairs: Edward Murphy and Brenda Birmann

16:00 – 16:15 State of the art and summary of session: Edward Murphy

16:20 – 16:30 Altered host immunity, human T lymphotropic virus type I replication, and risk of adult T cell leukemia/lymphoma: a prospective analysis from the ATL Cohort Consortium
Brenda Birmann

16:35 – 16:45 HTLV-1/2 prevalence in Brazilian blood donors: regional and demographic variation
Anna Barbara Priotti

16:50 – 17:00 Frequent acquisition of simian foamy viruses from gorillas, chimpanzees and monkeys through severe bites in central African hunters with no evidence for intra familial dissemination
Edouard Betsem

17:05 – 17:15 Simian Foamy Virus (SFV) infection from multiple monkey species in women from the Democratic Republic of Congo
William Switzer

17:30 – 19:30 Poster session 2 with Belgian beer & cheese

~ 3 ~
Molecular and cellular biology

Endogenous retroviruses, Foamy viruses and XMRV

Epidemiology

Diagnostics

Tuesday, June 7, 2011

Day out

8:00
Departure

10:00
Visit of Corroy-le château

12:00
Lunch in Gembloux

14:00-15:30
Round tables

1. The whole spectrum of HTLV-1-associated pathologies: what are we missing?
Chair: Johan Van Weyenberg
Discussants: Abelardo Araujo, Edward Murphy, Bernardo Galvão Castro, Anna Barbara Proietti, Edgar Carvalho, Yoshihisa Yamano and Eduardo Gotuzzo
Presentations:
1. Neurological disability in HTLV-1 infected individuals according to the initial clinical presentation: cohort study
   Davi Costa
2. Major depression and generalized anxiety disorder among HTLV-I/II infected former blood donors
   Edward Murphy
3. Quality of life (QOL) and depression in HTLV-1 carriers
   Ana Verena Galvão-Phileto
4. Clinical and subclinical findings in a cohort of Infective Dermatitis patients and their siblings
   Achilea Bittencourt

2. From endogenous to xenotropic retroviruses: how retroviruses jump species
Chair: William Switzer
Discussants: Mirdad Kazanjii, Maureen Hanson, Judy Mikovits and Robert Silverman
Presentations:
1. High level of inter-species transmission of simian foamy virus from non-human primates to humans in Gabon, central Africa
   Mirdad Kazanjii
2. HTLV-2 in Central Africa: HTLV-2 subtype B strains similar to those found in Amerindian tribes are endemic in Bakola Pygmies from south Cameroon but not in surrounding Bantus and Baka
   Philippe Mauclère
3. Serologic and PCR Testing of Persons with Chronic Fatigue Syndrome in the United States Shows No Association with Xenotropic or Polytropic Murine Leukemia Virus-Related Virus
   William Switzer
4. Detection of MLV-like Gag Sequences in Blood Samples from a New York State CFS Cohort
   Maureen Hanson
5. XMRV replicates preferentially in mucosal sites in vivo: Relevance to XMRV transmission?
   François Villinger

3. OMICS: biomarker discovery and new therapeutic targets
Chair: Fatah Kashanchi
Discussants: Charles Bangham, John Semmes, Fatah Kashanchi, and Anne van den Broeke
Presentations:
1. Three plasma biomarkers of HTLV-1-associated myelopathy/tropical spastic paraparesis
   Paul Kirk
2. Proteomic profiling of HTLV-1 infected T-cells for the Identification of potential biomarkers and therapeutic targets for HTLV-1 associated myelopathy/ tropical spastic paraparesis and adult T-cell leukemia
   Koji Ueda
3. CD3e expression in HTLV-1-infected individuals is associated with proviral load and Tax expression
   Marianna Pinto
4. MicroRNA expression in HTLV-1 infection and pathogenesis
   Donna D'Agostino
5. Cloned HTLV-1+CD4+, but not CD8+, T-cells display an oncogenic miRNome
   Franck Mortreux
4. Molecular and cellular virology: Tax vs. HBZ induced cell proliferation, clash of the titans?
   Chair Françoise Bex
   Discussants Umberto Bertazzoni, Genoveffa Franchini and Masao Matsuoka
   Presentations
   1. Physical and functional interaction between the HTLV-1 Tax oncoprotein and the cellular LIM domain protein FHL3
      Aine McCabe
   2. HBZ impedes the Menin function and up-regulates the transcription of the hTERT gene in leukemic cells
      Gosia Borowiak
   3. Kinetics and intracellular compartmentalization of HTLV1 gene expression
      Francesca Rende
   4. HTLV-1 bZIP factor enhances TGF-beta signaling through p300 coactivator
      Tiejun Zhao

16:00 – 16:30 Poster Award presentations
17:00 Return to Leuven
19:00 Conference Banquet (Faculty Club, Begijnhof, Leuven)

---

Wednesday, June 8, 2011

08:30 – 12:30 Oral presentations

Immunology

Chair Mari Kannagi and Steve Jacobson

8:30 – 8:40 State of the art and summary of session: Charles Bangham
8:45 – 8:55 The roles of innate and acquired immune responses on HTLV-I infection
   Mari Kannagi
9:10 – 9:20 HTLV-1 HBZ protein inhibits IRF3-mediated innate immune responses
   Renée Douville
9:25 – 9:35 HTLV-1 bZIP factor-mediated dysfunction of regulatory T cells in vivo
   Paola Miyazato
9:40 – 9:50 Opposite effect of Valproate on Tax and HBZ expression in T-lymphocytes from HTLV-1 infected patients
   Raymond Cesaire
9:55 – 10:05 Continuous long term growth of plasmacytoid dendritic cells following in vitro infection with HTLV 1
   Kathryn Jones

10:10- 10:30 Coffee break

Chairs: Charles Bangham and Guido Vanham

10:35 – 10:45 HTLV-1 persistence in vivo: clonality, dynamics and immune response
   Charles Bangham
11:00 – 11:15 IL-15 Deficiency Promotes Tumor Growth in Tax Transgenic Mice
   Lee Rutter
11:05 – 11:15 HTLV 1 Tax Specific CD8+ T cells express low levels of Tim 3 in HTLV 1 infection: implications for progression to neurological complications
   Fabio Leal
11:20 – 11:30 Reduced Tim-3 expression on HTLV-I Tax-specific cytotoxic T lymphocytes in HTLV-1 infection
   Ryuchi Kubota
11:35 – 11:45 Ascorbic acid has superior antiviral, antiproliferative and immunomodulatory effects over IFN-alpha in HAM/TSP patients ex vivo
   Britta Moens
11:50 – 12:00 An interferon signature is associated with HAM/TSP but not viral containment in HTLV 1 infection
   Sonja Tattermusch

12:00 Closing Ceremony