24 – 26 April, 2019 – Lima, Peru

Scientific Programme

[Logo: Human Retrovirology Conference]
08:00 - 09:30

Session 01: Oral Presentations  
Room: Plaza Olivar  

Chair: Olivier Hermine (France)

08:00 – 08:15  
Abstract Number: 129  
Title: Adult T-cell Leukemia/Lymphoma incidence rate in French Guiana: a prospective cohort of pregnant women  
Presenter: Jill-Lea Ramassamy

08:15 – 08:30  
Abstract Number: 67  
Title: The association between HTLV-1 and cardiovascular events: preliminary results of a cohort study  
Presenter: Samaneh Abolbashari

08:30 – 08:45  
Abstract Number: 07  
Title: Impact of pre-transplant HTLV-1 seropositivity on hematopoietic stem cell transplantation for the diseases other than ATLL - an analysis on behalf of JSHCT Complication Working Group  
Presenter: Nobuaki Nakano

08:45 – 09:00  
Abstract Number: 38  
Title: Absence of functional accessory genes in a divergent Simian T-lymphotropic virus type 1 isolated from a bonnet macaque (Macaca radiata)  
Presenter: Philippe Afonso

09:00 – 09:15  
Abstract Number: 156  
Title: Identifying the function of Bovine Leukemia virus miRNAs and antisense transcripts in vivo  
Presenter: Vincent Hahaut

Session 02: Oral Presentations  
Room: Pancho Fierro 1

Chair: Joseph Zunt (USA)

08:00 – 08:15  
Abstract Number: 42  
Title: High risk of HAM/TSP after HTLV-1 infection via kidney transplantation: A nationwide survey in Japan  
Presenter: Junji Yamauchi
08:15 – 08:30  Abstract Number: 54  
Title: Transcriptomic and epigenomic characteristics of HTLV-1 infected cells in asymptomatic carriers, HAM/TSP, and ATLL  
Presenter: Makoto Yamagishi

08:30 – 08:45  Abstract Number: 78  
Title: Microarray analysis reveals down-regulation of Toll-like receptor genes in activated HTLV-1 infected cells from HAM/TSP patients  
Presenter: Ryuji Kubota

08:45 – 09:00  Abstract Number: 41  
Title: Progress report on a long-term study of anti-CCR4 antibody (mogamulizumab) in patients with HAM/TSP  
Presenter: Tomoo Sato

09:00 – 09:15  Abstract Number: 26  
Title: Loss of IL-6 accelerates inflammation and lymphomagenesis in HTLV-1: bZIP factor transgenic mice by modulating Foxp3/IL-10 axis  
Presenter: Jun-Ichiro Yasunaga

09:30 - 11:00  
Session 03: Symposium:  
HAM/TSP - 1  
Co-Chairs:  
Anibal Prentice (Peru)
Nicanor Mori (Peru)

09:30 – 09:55  Genetic basis for the progression to HAM/TSP  
Jorge Casseb (Brazil)

10:00 – 10:25  Tracing the intracellular routing of HBZ protein helps in better defining the distinct evolution of HTLV-1  
Roberto Accolla (Italy)

10:30 – 10:55  Approach as a new therapeutic idea for chronic ATLL and HAM/TSP  
Yutaka Tagaya (USA)
Session 04: Symposium: HTLV in aborigines/indigenous populations  
Room: Pancho Fierro 1  
Co-Chairs:  
Johan Van Weyenbergh (Belgium)  
Carlos Remondegui (Argentina)

09:30 – 09:55  
**HTLV in South America: a silent ancient human infection**  
Ricardo Ishak (Brazil)

10:00 – 10:25  
**HTLV-1 and -2 Infections among Amazonian Indigenous Peoples in Peru**  
Isaac Alva (Peru)

10:30 – 10:55  
**Disease associations of HTLV-1c in indigenous residents of central Australia**  
Lloyd Einsiedel (Australia)

11:00 – 11:30  
Coffee Break

11:40 - 13:00  
Session 05: Plenary Session  
Chair:  
Graham Taylor (UK)

11:40 - 12:20  
**Time to eradicate HTLV-1: the impact of our open letter to WHO**  
Fabiola Aghakhani Zandjani-Martin (Australia)

12:20 - 13:00  
**Pathogenesis of HAM/TSP**  
Steve Jacobson (USA)

13:00 – 14:30  
Lunch and Posters

14:30 – 16:15  
Session 06: Symposium: HTLV-1 epidemiology  
Room: Plaza Olivar  
Co-Chairs:  
Antoine Gessain (France)  
Kristien Verdonck (Belgium)

14:30 – 14:50  
**Epidemiology and origin of HTLV-1 and related viruses infection with a special focus on Africa, the most important HTLV-1 endemic area**  
Antoine Gessain (France)
Wednesday, April 24

Lloyd Einsiedel (Australia)

15:20 – 15:40  Epidemiological aspects of HTLV-1 infection and ATLL in Japan
Masako Iwanaga (Japan)

15:45 – 16:05  Epidemiology of HAM/TSP
Marzia Puccioni (Brazil)

Session 07:  Symposium:  Room: Pancho Fierro 1

HTLV-1 Pathogenesis
Co-Chairs:
Renaud Mahieux (France)
Martin Montes (Peru)

14:30 – 14:50  TRAF3 requirement for Tax-mediated NF-kB activation
Umberto Bertazzoni (Italy)

14:55 – 15:15  Recent human evolution influences biological pathways implicated in both HAM/TSP and ATLL pathogenesis
Johan Van Weyenbergh (Belgium)

15:20 – 15:40  The role of dendritic cells during HTLV infection
Renaud Mahieux (France)

15:45 – 16:05  Critical roles of HBZ in HTLV-1 pathogenesis
Masao Matsuoka (Japan)

16:15 – 16:45  Coffee Break

16:45 – 18:00

Session 08:  Plenary Session  Room: Plaza Olivar

Co-Chairs:
Antoine Gessain (France)
Yoshihisa Yamano (Japan)

16:45 - 17:15  Importance of the new guidelines to handle HAM/TSP 2019
Graham Taylor (UK)

17:20 - 17:55  The HTLV-1 associated neurological complex. What is hidden below the water?
Abelardo Araujo (Brazil)
Wednesday, April 24

**18:15 – 19:00**

**Session 09: Keynote Address**  
Chair: Charles Bangham (UK)  
18:15 - 19:00 *Reflections on the past major discoveries/developments, some of the current major issues, and our prospects for the future*  
Robert Gallo (USA)

**19:15 – 20:00**

**Session 10: Inauguration Ceremony**  
Room: Plaza Olivar

**20:00 – 21:30**  
Cocktail
Thursday, April 25

08:00 - 09:00

Session 11: Oral Presentations

Room: Plaza Olivar

Chair:
Kazuhiro Morishita (Japan)

08:00 – 08:15
Abstract Number: 179
Title: Clinical features and outcomes in Latin American patients with Adult T-cell Leukemia/Lymphoma: a study from the Latin American Group of Lymphomas (GELL)
Presenter: Denisse A. Castro

08:15 – 08:30
Abstract Number: 176
Title: Genomic alterations in Adult T-cell Leukemia/Lymphoma outside of Japan: a characterization of a large cohort of 119 cases from North and South America, and the Caribbean
Presenter: Alejandro Ariel Gru

08:30 – 08:45
Abstract Number: 113
Title: Evolution of mutational architecture and clinical impact of subclonal mutations in the TCR/NFkB pathway in Adult T-cell Leukemia/Lymphoma
Presenter: Ambroise Marcais

08:45 – 09:00
Abstract Number: 114
Title: Acquisition of somatic mutations by HTLV-1 carriers before diagnosis with Adult T-cell Leukemia/Lymphoma
Presenter: Aileen Rowan

Session 12: Oral Presentations

Room: Pancho Fierro 1

Chair:
Umberto Bertazzoni (Italy)

08:00 – 08:15
Abstract Number: 197
Title: Quantitative analysis of HTLV-1 particle morphogenesis and the nature of efficient cell-cell transmission
Presenter: Louis M. Mansky

08:15 – 08:30
Abstract Number: 86
Title: Intragenic recruitment of NFkB drives alternative splicing modifications upon activation by the viral oncogene TAX of HTLV-1
Presenter: Franck Mortreux

08:30 – 08:45
Abstract Number: 37
Title: Possible role of ZC3HAV1 protein post-transcriptional regulation of HTLV-1 RNAs
Presenter: Paola Miyasato

08:45 – 09:00
Abstract Number: 55
Title: The HBZ ribonucleic acid inhibits transcription driven by the 5’ LTR promoter
Presenter: Luc Willems
Thursday, April 25

09:10 - 11:10

Session 13:  Symposium:  Room: Plaza Olivar

Adult T-cell Leukemia/Lymphoma - 1
Co-Chairs:
Luis Casanova (Peru)
Juan Carlos Ramos (USA)

09:10 – 09:35  Recent progress in understanding molecular mechanisms of Adult T-cell Leukemia/Lymphoma by comprehensive analysis
Kazuhiro Morishita (Japan)

09:40 – 10:05  Diagnostic discrimination between indolent ATLL and asymptomatic carrier
Kaoru Uchimaru (Japan)

10:10 – 10:35  Immunobiology and immunotherapy of Adult T-Cell Leukemia/Lymphoma
Eduardo Sotomayor (USA)

10:40 – 11:05  Prognosis of patients with Adult T-cell Leukemia-Lymphoma in Japan 2010–2015: a Japanese nationwide hospital-based study
Kunihiro Tsukasaki (Japan)

Session 14:  Symposium:  Room: Pancho Fierro 1

Vaccine development
Co-Chairs:
Genoveffa Franchini (USA)
Patrick Green (USA)

09:10 – 09:40  Durable remission in ATLL with Tax-targeting DC vaccine: phase I clinical trial
Youko Suehiro (Japan)

09:45 – 10:25  Early studies in NIH
Genoveffa Franchini (USA)

10:30 – 11:00  HTLV-1 innate immune signaling and vaccine development
Glen Barber (USA)

11:10 – 11:40  Coffee Break
Thursday, April 25

11:40 - 13:00
Session 15: Plenary Session
Chair: Roberto Accolla (Italy)

11:40 - 12:00 The role of BoLA-DRB3 alleles on disease progression during bovine leukemia virus infection
Junzo Norimine (Japan)

12:05 - 12:25 HTLV-I: chromatin structure, gene bursting and regulation of latency
Charles Bangham (UK)

12:30 - 12:50 Discovering more differences and similarities in HIV and HTLV infection and disease: an evolutionary perspective
Anne-Mieke Vandamme (Belgium)

13:00 – 14:15 Lunch and Posters

14:15 – 16:15
Session 16: Symposium: Adult T-cell Leukemia/Lymphoma - 2
Co-Chairs: Olivier Hermine (France) Brady Beltrán (Peru)

14:15 – 14:40 Current management of ATLL
Jorge Castillo (USA)

14:45 – 15:10 Emerging clinical data and translational studies for ATLL in the United States
Juan Carlos Ramos (USA) & Lee Ratner (USA)

15:15 – 15:40 Progress in allogeneic hematopoietic cell transplantation for ATLL
Atae Utsunomiya (Japan)

15:45 – 16:10 Can we cure ATLL?
Ali Bazarbachi (Lebanon)
Thursday, April 25

Session 17: Symposium:  
HTLV-1 comorbidity  
Chair:  
Kristien Verdonck (Belgium)

14:15 – 14:40  
Epidemiological and immunological aspects  
Anselmo Souza (Brazil)

14:45 – 15:10:  
Interaction between Strongyloides stercoralis and HTLV at Risk of ATLL  
Martin Montes (Peru)

15:15 – 15:40  
Pulmonary changes associated with HTLV Infection  
Juarez S. Quaresma (Brazil)

15:45 – 16:10  
HTLV-1 infection and rheumatic diseases  
Kunihiko Umekita (Japan)

16:15 – 16:45  Coffee Break

16:45 – 18:00

Session 18: Plenary Session  
Chair:  
Ali Bazarbachi (Lebanon)

16:45 - 17:05  
Exploring and exploiting BLV genomics to unravel mechanisms of clonal expansion and oncogenesis  
Anne Van den Broeke (Belgium)

17:10 - 17:30  
Early diagnosis of ATLL and the use of cell-free DNA  
Aileen Rowan (UK)

17:35 - 17:55  
Revised Adult T-Cell Leukemia- Lymphoma international consensus meeting report  
Lucy Cook (UK)
Friday, April 26

08:00 - 09:10

Session 19: Symposium:

**HTLV-1 and tuberculosis**

*Chair:*

*Eduardo Ticona (Peru)*

08:00 – 08:20

*HTLV and tuberculosis: is the relation coincidental, contextual, or causal?*

Kristien Verdonck (Belgium)

08:25 – 08:45

*HTLV and tuberculosis in Peru*

Fernando Mejia (Peru)

08:50 – 09:10

*HTLV and tuberculosis in Brazil*

Maria Fernanda Rios Grassi (Brazil)

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Session 20: Oral Presentations

*Chair:*

Luc Willems (Belgium)

08:00 – 08:15

Abstract Number: 65

*Title: HTLV-1 viral oncogene HBZ induces lymphoproliferative and osteolytic bone disease in humanized mouse models*

Presenter: Lee Ratner

08:15 – 08:30

Abstract Number: 76

*Title: Tenofovir alafenamide reduces transmission of HTLV-1 in a humanized mouse model of infection*

Presenter: James Cooney

08:30 – 08:45

Abstract Number: 80

*Title: Mogamulizumab for Adult T-cell Leukemia/Lymphoma, interim report of the MIMOGA study*

Presenter: Kentarou Yonekura

08:45 – 09:00

Abstract Number: 116

*Title: Phase I trial of cobomarsen, an miR-155 inhibitor, in HTLV-1 associated Adult T-cell Leukemia/Lymphoma*

Presenter: Juan Carlos Ramos
09:10 - 11:10

Session 21: Symposium: HAM/TSP - 2

Co-Chairs:
Silvia Montano (Peru)
Joseph Zunt (USA)

09:10 – 09:35   Evolution of HAM/TSP
Augusto Penalva de Oliveira (Brazil)

09:40 – 10:05   Treatment of HAM/TSP
Yoshihisa Yamano (Japan)

10:10 – 10:35   A combined immunotherapeutic approach for HAM/TSP
Pooja Jain (USA)

10:40 - 11:05   Rehabilitation therapies for HAM/TSP
Katia Nunes Sá (Brazil)

Session 22: Symposium

HTLV and blood transfusion

Co-Chairs:
Edward Murphy (USA)
José Fuentes-Rivera (Peru)

09:10 – 09:40   Human T-cell leukemia virus types 1 and 2 (HTLV-1 and -2) and the safety of blood transfusion, a global overview
Edward Murphy (USA)

09:45 – 10:15   Experience in Brazil from 1993
Denise Utsch Gonçalves (Brazil)

10:20 – 10:50   PAHO/WHO vision about HTLV-1 screening
Mauricio Beltran (PAHO)

11:10 – 11:40   Coffee Break
Friday, April 26

11:40 - 13:00
Session 23: Plenary Session

Chair: Vicente Soriano (Spain)

11:40 – 12:00 Transplant screening policy in the European Union
Carmen de Mendoza (Spain)

12:05 - 12:30 HTLV-1 and transplant
Graham Taylor (UK)

12:35 – 13:00 Multiple patterns of clinical manifestations and the global impact of HTLV-1
Eduardo Gotuzzo (Peru)

13:00 – 14:30 Lunch and Posters

14:30 – 16:30
Session 24: Symposium:

Impact of HTLV-1 infection in public health
Co-Chairs: Patricia García (Peru)
Massimo N. Ghidinelli (PAHO)

14:30 – 14:55 HTLV-1 infection in Japan and its control measures
Isao Hamaguchi (Japan)

15:00 – 15:25 Impact of HTLV-1 in Peru
Elsa González (Peru)

15:30 – 15:55 Social communication in HTLV-1 in the Americas Public Health
Elmer Huerta (USA)

Session 25: Symposium:

Skin disorders in HTLV-1
Chair: Francisco Bravo (Peru)

14:30 – 14:50 Cutaneous involvement in Adult T-cell Leukemia/Lymphoma
Pedro Dantas Oliveira (Brazil)
Friday, April 26

14:50 – 15:10:  
*Skin disease as a factor for developing ATL*  
Denis Miyashiro (Brazil)

15:15 -15:40  
*Infective dermatitis in children and adults*  
Francisco Bravo (Peru)

16:15 – 16:45  
Coffee Break

16:45 – 18:00

**Session 26: Plenary Session**

*Room: Plaza Olivar*

Co-Chairs:  
Fabiola Aghakhani Zandjani-Martin (Australia)  
María Belén Bouzas (Argentina)

16:45 - 17:10  
*Importance of multidisciplinary health care for HTLV-1 patients*  
Fernanda Grassi (Brazil)

17:15 - 17:30  
*Review of international evidence on clinical and public health issues in HTLV-1 control*  
John Kaldor (Australia)

17:30 - 18:00  
*Japanese campaign against HTLV-1 and advances in the treatment of HTLV-1 associated diseases*  
Toshiki Watanabe (Japan)

18:15 – 18:45

Closing Ceremony - Plaza Olivar