

21st Kumamoto AIDS Seminar

November 11, 2020
on ZOOM

Joint Research Center for Human Retrovirus Infection
Kumamoto University Campus

9:50-10:00 Opening remarks : Shinji Harada

Session I 10:00-11:15 Chairs : Kazuaki Monde & Terumasa Ikeda

- 10:00-10:25 Tomoyuki Murakami (University of Michigan)
PSGL-1- and CD43-mediated inhibition of HIV-1 infection and counteraction by HIV-1
- 10:25-10:40 Sameh Lotfi (HuRetro/Kumamoto)
M-Sec accelerates cell to cell transmission of HIV-1 through multiple mechanisms
- 10:40-10:55 Toong Seng Tan (HuRetro/Kumamoto)
A single amino acid change in SERINC5 abrogates the infectivity restriction function against retroviruses including HIV-1
- 10:55-11:15 Terumasa Ikeda (HuRetro/Kumamoto)
Endogenous APOBEC3F contributes to HIV-1 restriction in the monocytic cell line THP-1

11:15-11:30 Coffee Break

Session II 11:30-12:15 Chairs : Yorifumi Satou & Takamasa Ueno

- 11:30-11:45 Kousuke Toyoda (Kumamoto University)
HTLV-1 bZIP factor RNA and Protein induce TP73 expression to enhance the Warburg effect and lactate efflux via monocarboxylate transporters 1 and 4
- 11:45-12:00 Riri Yokota (HuRetro/Kagoshima)
Development of novel antibody drug conjugate for Adult T-cell Leukemia (ATL)
- 12:00-12:15 Midori Nakamura-Hoshi (National Institute of Infectious Diseases)
Immunogenicity of Sendai virus particles carrying HTLV-1 Env

12:15-13:00 Lunch & Poster Viewing

Poster Discussion
on Chat

13:00-14:00

Session III 14:00-15:25 Chairs : Chihiro Motozono & Shuzo Matsushita

- 14:00-14:20 Kenji Sugata (HuRetro/Kumamoto)
Novel affinity-matured HLA class II dimers enable robust and rigorous staining of antigen-specific CD4⁺ T cells
- 14:20-14:40 Chihiro Motozono (HuRetro/Kumamoto)
Fate determination with a selected epitope facilitates follicular helper cell differentiation and protection against acute retroviral infection
- 14:40-14:55 Mikiko Izaki (Kumamoto University)
In vivo dynamics of HTLV-1 infected cell clones and the influence of host immune response
- 14:55-15:10 Hasan Md Zahid (HuRetro/Kumamoto)
Isolation of a monoclonal antibody from a patient infected with HIV-1 subtype AG
- 15:10-15:25 Hau Thi Thu Trang (National Institute of Infectious Diseases)
Association of Envelope-specific B-cell differentiation and viral selective pressure signature in subtype A/E HIV-1-infected Vietnamese patients

15:25-15:40 Coffee Break

Session IV 15:40-16:40 Chairs : Takeo Kuwata & Seiji Okada

- 15:40-15:55 Andrew Soper (Kyoto University)
Tracing the source of systemic viremia in vivo using HIV-1-infected humanized mouse model
- 15:55-16:15 Naofumi Takahashi (HuRetro/Kumamoto)
Monocyte turnover increase reflects disease progression to AIDS in SIV-infected rhesus macaques
- 16:15-16:40 Akatsuki Saito (Miyazaki University)
Generation of a novel monkey-tropic HIV-1 clone with resistance to IFN- β -mediated restriction

Special Lecture 16:40-17:10 Chair : Shinya Suzu

- 16:40-17:10 Jun-ichiro Yasunaga (Kumamoto University)
Molecular mechanisms of oncogenesis induced by HTLV-1

17:10-17:20 Closing remarks : Shinya Suzu