

14th Kumamoto AIDS Seminar

1st October 29th, Tuesday

Kumamoto Hotel Castle 9:00-17:30

8:40-9:00	Registration	
9:00-9:05	Opening Remark	Shinji Harada [Vice-president, Kumamoto University]
9:05-9:10	History of Kumamoto AIDS Seminar	Masafumi Takiguchi [Director, Center for AIDS Research, Kumamoto University]
Session I		9:10-10:25 [75]
<i>Chair: Hiroaki Mitsuya</i>		
9:10-9:40 [30]	O-01 Shinichi Oka NCGM / Kumamoto University, Japan	HIV/AIDS in Asia; importance of cohort study
9:40-10:25 [45]	O-02 Eddy Arnold CABM and Rutgers University, USA	HIV-1 reverse transcriptase structure, function, inhibition, and resistance
10:25-10:40 [15] Coffee Break		
Session II		10:40-11:40 [60]
<i>Chair: Shuzo Matsushita</i>		
10:40-11:10 [30]	O-03 Hiroaki Mitsuya Kumamoto University, Japan	Development of Central Nervous System-targeting Potent Protease Inhibitors
11:10-11:40 [30]	O-04 Hiroyuki Gatanaga NCGM / Kumamoto University, Japan	Naturally selected rilpivirine-resistant HIV-1 variants by host cellular immunity
Session III		11:40-12:25 [45]
<i>Chair: Masafumi Takiguchi</i>		
11:40-12:25 [45]	O-05 Victor Appay INSERM, France	Exhaustion of primary immune resources in HIV infection
12:25-14:00[95] Lunch		
Session IV		14:00-15:15 [75]
<i>Chair: Takamasa Ueno</i>		
14:00-14:30 [30]	O-06 Tetsuro Matano NIID / Kumamoto University, Japan	Vif can be a promising CD8 T cell target for HIV/SIV control
14:30-15:15[45]	O-07 Thumbi Ndung'u University of KwaZulu-Natal., South-Africa	T cell immune responses and viral fitness as a pathway to HIV vaccine design
Session V		15:15-16:10 [55]
<i>Chair. Tetsuro Matano</i>		
15:15-15:45 [30]	O-08 Shinya Suzu Kumamoto University, Japan	Blood-borne fibrocytes as HIV-1 host cells
15:45-16:10 [25]	O-09 Takeo Kuwata Kumamoto University, Japan	Identification of the Env region responsible for the resistance to B404, a potent neutralizing antibody against SIV
16:10-16:30 [20] Coffee Break		
Session VI		16:30-17:30 [60]
<i>Chair: Yosuke Maeda</i>		
16:30-17:00 [30]	O-10 Yoshio Koyanagi Kyoto University, Japan	Strategy of disrupting latent form of HIV-1 proviral DNA
17:00-17:30 [30]	O-11 Yasumasa Iwatani Nagoya Medical Center, Japan	Structural features of HIV-1 Vif-binding Interface on antiviral APOBEC3 proteins

2nd

October 30th, Wednesday

Aso Resort GRANDVRIO 13:00-18:00

13:00-15:00 【120】	Poster Session I <i>Chair: Yasuo Ariumi & Yorifumi Satou</i>	
Session VII		15:00-15:30 [30] <i>Chair: Shinya Suzu</i>
15:00-15:30 [30]	O-12 NIID / Kumamoto University, Japan	Kazuhisa Yoshimura In vitro induction of escape variants from entry inhibitors and neutralizing antibodies using unique primary isolates
Session VIII		15:30-16:30 [60] <i>Chair: Shinichi Oka</i>
15:30-15:55 [25]	O-13 NCGM, Japan	Ei Kinai Prevalence and risk factors of bone mineral density abnormalities in Japanese HIV-infected patients
15:55-16:30 [35]	O-14 Kagoshima University, Japan	Masanori Baba Discovery and development of novel antiretrovirals: from compound screening to clinical trials
Session IX		16:30-17:20 [50] <i>Chair: Victor Appay</i>
16:30-16:55 [25]	O-15 Kumamoto University, Japan	Madoka Koyanagi Synergistic effect of a combination of CTLs response on control of HIV-1 in Japanese individuals carrying HLA-B*35:01 allele associated with rapid disease progression.
16:55-17:20 [25]	O-16 Kumamoto University, Japan	Hayato Murakoshi Control of HIV-1 by HIV-1 immunodominant epitope-specific CD8+ T cells in chronically HIV-1-infected Japanese individuals
Session X		17:20-18:00 [40] <i>Chair: Yorifumi Satou</i>
17:20-18:00 [40]	O-17 Wright-Fleming Institute, Imperial College, UK	Charles Bangham Clonality, latency and integration of HTLV-1 in vivo
19:00-21:00 [120] Reception		

3rd

October 31st, Thursday

Aso Resort GRANDVRIO 8:30-15:15

✂ In the morning sessions, venue is divided into group A and B.

Young Investigator Symposium : Group A 8:30-12:05

YIS-A Session I

8:30-10:10 [100]

Chairs: Keiko Sakai (18/ 19/ 20) & Hayato Murakoshi (21/ 22)

8:30-8:50 [20]	O-18 -3A	Md Abu Osman Kumamoto University, Japan	M-CSF diminishes anti-HIV-1 activity of cytokines including IL-32
8:50-9:10 [20]	O-19 -3A	Kristel Paola Ramirez Valdez Kumamoto University, Japan	Can antibodies contribute to controlling infection with transmitted/founder virus?
9:10-9:30 [20]	O-20 -3A	Chihiro Motozono Kinki University, Japan	Molecular basis of a dominant T cell response to an HIV reverse transcriptase epitope presented by the protective allele HLA-B*51:01
9:30-9:50 [20]	O-21 -3A	Nozomi Kuse Kumamoto University, Japan	Control of HIV-1 by Pol283-8-specific CTLs in HLA-B*51:01+long-term non progressors
9:50-10:10 [20]	O-22 -3A	Xiaoming Sun Kumamoto University, Japan	Presentation of two HLA-A*24:02-restricted overlapping epitopes elicit different patterns of CD8 T cell repertoire and select same escape mutation in HIV-infected patients

10:10-10:25 [15]

Coffee Break

YIS-A Session II

10:25-12:05 [100]

Chairs: Madoka Koyanagi (23/ 24) & Takeo Kuwata (25/ 26/ 27)

10:25-10:45 [20]	O-23 -3A	Koji Watanabe NCGM, Japan	Cross-clade CD8+ T cell responses in chronically HIV-1 clade A/E-infected individuals
10:45-11:05 [20]	O-24 -3A	Macdonald Mahiti Kumamoto University, Japan	Differential modulation of Nef-mediated downregulation activity of HLA class I alleles in HIV-1 chronic infection
11:05-11:25 [20]	O-25 -3A	Keiko Sakai Kumamoto University, Japan	The lack of a significant impact of HIV-1 Gag replication capacities on patients' disease outcomes in a chronically infected, treatment-naïve Japanese cohort
11:25-11:45 [20]	O-26 -3A	Stanley C. Meribe Kumamoto University, Japan	Acceleration of disease Progression by a single naturally-arising polymorphism, within functional region of HIV-1 nef
11:45-12:05 [20]	O-27 -3A	Takayuki Chikata Kumamoto University, Japan	Host-specific adaptation of HIV-1 subtype B in the Japanese population

※In the morning sessions, venue is divided into group A and B.

Young Investigator Symposium : Group B 8:30-12:05		
YIS-B Session I		8:30-10:10 [100]
<i>Chairs: Kazuaki Monde (28/ 29) & Masayuki Amano (30/ 31/ 32)</i>		
8:30-8:50 [20]	O-28 -3B	Shohei Taketomi Tokyo Medical and Dental University, Japan Structure activity relationship studies on a spacer moiety of small molecular CXCR4 antagonists as potent HIV-1 entry inhibitors
8:50-9:10 [20]	O-29 -3B	Masayuki Amano Kumamoto University, Japan Discovery of small compounds that induce HIV-1 Capsid protein degradation.
9:10-9:30 [20]	O-30 -3B	Hironori Hayashi Kumamoto University, Japan The dimerization inhibition mechanism of darunavir and the dynamics of HIV-1 protease dimerization
9:30-9:50 [20]	O-31 -3B	Amber R. Moore Kumamoto University, Japan Evaluation of HIV-1 reverse transcriptase (RT) heterodimerization within living cells using bimolecular fluorescence complementation (BiFC)
9:50-10:10 [20]	O-32 -3B	Pedro Miguel Salcedo Gómez Kumamoto University, Japan GRL-04810 and GRL-05010; novel difluoride-containing HIV-1 protease inhibitors (PIs) with potent antiviral activity and favorable penetration across the blood-brain barrier.
10:10-10:25 [15] Coffee Break		
YIS-B Session II		10:25-12:05 [100]
<i>Chairs: Shigeyoshi Harada (33/ 34) & Koji Watanabe (35/ 36/ 37)</i>		
10:25-10:45 [20]	O-33 -3B	Kazuhiko Maeda Kumamoto University, Japan Role of mammalian TREX-2 component GANP in HIV-1 infection
10:45-11:05 [20]	O-34 -3B	Muntasir Alam Kumamoto University, Japan Effects of Enfuvirtide resistant mutations on the sensitivity to neutralizing antibodies
11:05-11:25 [20]	O-35 -3B	Ryusho Kariya Kumamoto University, Japan HAMLET and BAMLET induces cell death of Primary Effusion Lymphoma
11:25-11:45 [20]	O-36 -3B	Junko Tanuma NCGM, Japan Stably low prevalence of drug resistant HIV transmission while antiretroviral therapy was scaling up in Southern Vietnam: 2008-2012
11:45-12:05 [20]	O-37 -3B	Kazuhiro Matsuoka Nagoya Medical Center, Japan Cross-Resistance Mutation Patterns in Non-Nucleoside Reverse Transcriptase Inhibitors Rilpivirine and Etravirine in Clinical Isolates

※In the afternoon session, groups joint venue

12:05-14:00 [115]	Lunch and Poster Session II (Free Time) * Best Presentation Award Vote (13:20-14:00)	
	Session XI	14:00-15:00[60]
	<i>Chairs: Seiji Okada</i>	
14:00-14:30 [30]	O-38	Yasuo Ariumi Kumamoto University, Japan P-body, RNA helicase and HIV-1 life cycle
14:30-15:00 [30]	O-39	Takamasa Ueno Kumamoto University, Japan Dynamic regulation of selective peptide recognition and stabilization of HLA-B*35:01 in complex with HIV-1 peptides
15:00-15:10 [10]	Best Presentation Award	
15:10-15:15	Closing Remark	Hiroaki Mitsuya [Kumamoto University]