

16th Kumamoto AIDS Seminar

1st

October 7th, Wednesday

Hotel Nikko Kumamoto 9:00-17:30

8:40-9:00 Registration			
9:00-9:10 Opening Remarks		Hiroaki Mitsuya [NCGM / Kumamoto University]	
Session I		9:10-10:25 [75]	
<i>Chairs: Hiroaki Mitsuya & Shuzo Matsushita</i>			
9:10-9:55 [45]	O-1-01	Robert Murphy Northwestern University, USA	Progress in HIV Therapy
9:55-10:25 [30]	O-1-02	Hiroaki Mitsuya NCGM / Kumamoto University, Japan	Structure-guided development of molecular-targeting antiviral agents for treatment of HIV infection and AIDS
10:25-10:40 [15] Coffee Break			
Session II		10:40-12:10 [90]	
<i>Chairs: Shinich Oka & Wataru Sugiura</i>			
10:40-11:10 [30]	O-1-03	Wataru Sugiura NMC / GSK, Japan	Molecular epidemiology of acquired and transmitted drug resistant HIV in Japan
11:10-11:40 [30]	O-1-04	Takeshi Nishijima NCGM, Japan	Management of chronic kidney diseases in HIV-1-infected patients in the era of "treatment for all" strategy
11:40-12:10 [30]	O-1-05	Yorifumi Satou Kumamoto University, Japan	Clonality of HIV-1-infected cells in PBMCs of HIV-1-infected individuals
12:10-13:30 [80] Lunch			
Session III		13:30-14:30 [60]	
<i>Chairs: Seiji Okada & Shinya Suzu</i>			
13:30-14:00 [30]	O-1-06	Takeo Kuwata Kumamoto University, Japan	Impact of gp41 mutations for escape from a broad neutralizing antibody against SIV
14:00-14:30 [30]	O-1-07	Takamasa Ueno Kumamoto University, Japan	Relative resistance of HLA-B to down-regulation by naturally-occurring HIV-1 Nef sequences
Session IV		14:30-15:45 [75]	
<i>Chairs: Tetsuro Matano & Takamasa Ueno</i>			
14:30-15:00 [30]	O-1-08	Takuya Yamamoto NIBIO / Kumamoto University, Japan	CD150 signal modulation enhances SHIV-specific TFH cell responses
15:00-15:45 [45]	O-1-09	Rebecca Lynch NIAID, NIH, USA	Impact of broadly neutralizing antibody VRC01 on HIV-1 after infusion into chronically infected subjects
15:45-16:00 [15] Coffee Break			
Session V		16:00-16:45 [45]	
<i>Chair: Masafumi Takiguchi</i>			
16:00-16:45 [45]	O-1-10	Victor Appay INSERM, France	CD8+ T cell efficacy and preservation of immune resources in HIV infection
Session VI		16:45-17:30 [45]	
<i>Chair: Shuzo Matsushita</i>			
16:45-17:30 [45]	O-1-11	Dan H. Barouch Harvard Medical School, USA	Novel HIV Vaccine and Eradication Strategies

2ndOctober 8th, Thursday

Aso Resort GRANDVRIO Hotel 13:00-17:45

13:00-14:30 [90] **Poster Presentation (session I)***Chairs: Yasuo Ariumi & Yorifumi Satou*13:00-13:40 [40] **One-minute presentation**13:40-14:30 [50] **Discussion for posters with one-minute presentation****Session VII**

14:30-16:00 [90]

Chairs: Shogo Misumi & Hiroyuki Gatanaga

14:30-15:00 [30]	O-2-12	Shinya Suzu Kumamoto University, Japan	In vitro and in vivo susceptibility of circulating fibrocytes to HIV-1
15:00-15:30 [30]	O-2-13	Hirokazu Tamamura Tokyo Medical and Dental University , Japan	An anti-HIV assay method for cell-penetrating peptides using chloroquine and identification of inhibitory peptides derived from matrix proteins
15:30-16:00 [30]	O-2-14	Kenji Maeda NCGM , Japan	Development of novel nucleoside reverse transcriptase inhibitors potent against HIV and HBV

Session VIII

16:00-17:00 [60]

Chairs: Yosuke Maeda & Yasuo Ariumi

16:00-16:30 [30]	O-2-15	Kazuhisa Yoshimura NIID / Kumamoto University, Japan	Development of novel bifunctional entry inhibitors; from NBD-556 to next generations
16:30-17:00 [30]	O-2-16	Tetsuro Matano NIID / Kumamoto University, Japan	Antigen-specific CD8+ T-cell responses in rhesus macaque lymph nodes in the chronic phase of SIVmac239 infection

Session IX

17:00-17:45 [45]

Chair: Shuzo Matsushita

17:00-17:45 [45]	O-2-17	Jerome Kim IVI, Korea	Vaccine Development Against HIV-1
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19:00-21:00 [120] **Reception**

Young Investigator Symposium : 9:00-11:50

YIS Session I

9:00-10:15 [75]

Chairs: Keiko Sakai & Takeo Kuwata

9:00-9:15 [15]	O-3-18	Yasuhiro Maruta Kumamoto University, Japan	Post-attachment neutralization by single-chain variable fragments targeting the V3 loop of HIV-1 envelope
9:15-9:30 [15]	O-3-19	Muntasir Alam Kumamoto University, Japan	HIV-1 gp41 mutations against fusion inhibitor C34 showed enhanced sensitivity to neutralizing antibodies.
9:30-9:45 [15]	O-3-20	Eriko Kudo Kumamoto University, Japan	Sp1 regulates HIV-1 latency maintaining factor COMMD1
9:45-10:00 [15]	O-3-21	Macdonald Mahiti Kumamoto University, Japan	Nef-induced immune evasion functions of HLA class II-restricted responses.
10:00-10:15 [15]	O-3-22	Daisuke Mizushima NCGM / Kumamoto University, Japan	Prognosis of acute HBV infection among HIV-infected patients in Japan

10:15-10:30 [15] **Coffee Break**

YIS Session II

10:30-11:50 [80]

Chairs: Shigeyoshi Harada & Kazuaki Monde

10:30-10:50 [20]	O-3-23	Hironori Hayashi NCGM, Japan	Novel protease inhibitors, which bind to the flap region of HIV-1 protease, strongly inhibit multi-drug resistant HIV-1 variants including darunavir-resistant variants
10:50-11:10 [20]	O-3-24	Masayuki Amano Kumamoto University, Japan	Modified P1-Moiety Enhances Antiviral Activity against Drug-Resistant HIV-1 Variants and Central Nervous System (CNS) Penetration Effectiveness of Newly-Generated HIV-1 Protease Inhibitors In Vitro.
11:10-11:30 [20]	O-3-25	Michihiro Hashimoto Kumamoto University, Japan	HIV-1 spreads among macrophages by promoting the formation of tunneling nanotubes
11:30-11:50 [20]	O-3-26	Naoki Kishimoto Kumamoto University, Japan	Glyceraldehyde 3-phosphate dehydrogenase acts as a tRNALys3-packaging suppressor

11:50-13:30 [100] **Poster Presentation (session II) , Best Poster Award Vote , and Lunch**

Session X

13:30-14:30 [60]

Chair: Hiroaki Mitsuya & Shinichi Oka

13:30-14:00 [30]	O-3-27	Hiroyuki Gatanaga NCGM / Kumamoto University, Japan	Recent progress of ART and clinical research
14:00-14:30 [30]	O-3-28	Masanori Baba Kagoshima University, Japan	Development of novel anti-HIV-1 agents: recent progress and future prospect

14:30-14:40 [10] **Best Poster Award**14:40-14:45 [5] **Closing Remarks****Shuzo Matsushita**
[Director, CAIDS, Kumamoto University]