

18th Kumamoto AIDS seminar

1st

October 30th, Monday

Kumamoto Kenmin Koryu Kaikan Parea 10F Parea Hall 12:30-18:00

12:30-13:20		Registration & Poster hanging up	
13:20-13:35		Opening Remarks	*Special Remarks Shinji Harada [President, Kumamoto University]
Session I		13:35-14:55 [80] <i>Chairs: Tetsuro Matano (NIID/Kumamoto Univ.) & Victor Appay (INSERM, France/Kumamoto Univ.)</i>	
13:35-14:05 [30]	O1 - 01	Masafumi Takiguchi Kumamoto University, Japan	HIV-1-specific CTLs: HIV-1 control and coevolution with HIV-1
14:05-14:25 [20]	O1 - 02	Takamasa Ueno Kumamoto University, Japan	Immune consequence of Nef-MHC interaction
14:25-14:55 [30]	O1 - 03	Asier Saez-Cirion Pasteur Institute, France	Deciphering CD8+ T cell-mediated natural control of HIV-1 infection
Session II		14:55-15:45 [50] <i>Chairs: Naoki Ishizuka (Cancer Institute Hospital) & Kazuhisa Yoshimura (NIID/Kumamoto Univ.)</i>	
14:55-15:15 [20]	O1 - 04	Seiji Okada Kumamoto University, Japan	Current status of AIDS related malignant lymphoma in Japan
15:15-15:45 [30]	O1 - 05	Hiroyuki Gatanaga NCGM/Kumamoto University, Japan	Hepatitis C in HIV-infected patients in Japan
15:45-16:00 [15]		Coffee Break	
Session III		16:00-17:25 [85] <i>Chairs: Shinya Suzu (Kumamoto Univ.) & Shogo Misumi (Kumamoto Univ.)</i>	
16:00-16:25 [25]	O1 - 06	Shinya Suzu Kumamoto University, Japan	A role of tunneling nanotubes (TNTs) in intercellular spread of retroviruses
16:25-16:55 [30]	O1 - 07	Hiromi Imamichi NIAID, NIH, USA	Defective "Zombie" HIV-1 provirus: Faux or foe to the host immune system?
16:55-17:25 [30]	O1 - 08	Yoshio Koyanagi Kyoto University, Japan	Regional prevalence of HIV-1 adjustment to APOBEC3H variants revealed from wet/dry investigations
Poster Hanging-up & Viewing		17:25-18:00 [35]	9F Meeting Room

Session IV 9:00-10:20 [80]
Chair: Takuya Yamamoto (NIBIOHN/Kumamoto Univ.) & Tomáš Hanke (Univ. of Oxford, UK)

09:00-09:20 [20]	O2 - 09	Nozomi Kuse Kumamoto University, Japan	STING ligand effectively prime functional HIV-1-specific CD8+ T Cells from naïve T cells
09:20-9:50 [30]	O2 - 10	Tetsuro Matano NIID/Kumamoto University, Japan	Dynamics of wild-type and mutant epitope-specific CD8+ T-cell responses in SIV infection
9:50-10:20 [30]	O2 - 11	Victor Appay INSERM, France/Kumamoto University, Japan	Preservation of primary immune resources: key to health in HIV infection

10:20-10:35 [15] **Coffee Break**

Session V 10:35-11:35 [60]
Chairs: Hiromi Imamichi (NIAID, NIH, USA) & Yoshio Koyanagi (Kyoto Univ.)

10:35-10:55 [20]	O2 - 12	Yasuo Ariumi Kumamoto University, Japan	Apolipoprotein E is an HIV-1-inducible restriction factor
10:55-11:15 [20]	O2 - 13	Kazuaki Monde Kumamoto University, Japan	Molecular mechanisms by which HERV-K Gag interferes with HIV-1 Gag assembly and particle infectivity
11:15-11:35 [20]	O2 - 14	Yorifumi Satou Kumamoto University, Japan	Target enrichment with NGS facilitates HIV-1 proviral research

11:35-13:00 [85] **Lunch Time**

Selected Poster Discussion 13:00-13:50 [50]
Chair: Yorifumi Satou (Kumamoto Univ.)

13:00-13:05 [5]	SP - 1	Masayuki Amano Kumamoto University, Japan	The fragment of nine amino acids at C-terminal domain of the HIV-1 capsid protein (CA) induces structural fragility of CA, and is possibly essential for the uncoating/replication of HIV-1
13:05-13:10 [5]	SP - 2	Tomofumi Nakamura Kumamoto University, Japan	Accumulation of amino acid substitutions against non-catalytic site HIV-1 integrase inhibitors alters assembly and stabilization of HIV-1 integrase
13:10-13:15 [5]	SP - 3	Shokichi Takahama Kumamoto University, Japan	Broad spectrum of neutralization-enhancement by novel CD4 mimic compound YIR-821
13:15-13:20 [5]	SP - 4	Kouki Matsuda NCGM, Japan	Development of novel therapeutics to eliminate latently infected cells by LRAs toward HIV cure
13:20-13:25 [5]	SP - 5	Osamu Noyori Kumamoto University, Japan	Latent HIV-1 infection in fibrocytes <i>in vivo</i>
13:25-13:30 [5]	SP - 6	Mako Toyoda Kumamoto University, Japan	Naturally arising HIV-1 Nef variants that impair Nef's ability to counteract SERINC3/5 are associated with decreased plasma viremia
13:30-13:35 [5]	SP - 7	Takayuki Chikata Kumamoto University, Japan	HLA class I-mediated HIV-1 control in Vietnamese infected with HIV-1 subtype A/E
13:35-13:40 [5]	SP - 8	Yoshiaki Kanno NIID, Japan	Analysis of polyclonal neutralizing antibody responses in SIVmac239-infected rhesus macaques
13:40-13:45 [5]	SP - 9	Daichi Yamasoba Kyoto University, Japan	Identification of a novel HIV-1 restriction factor which selectively degrades viral transcripts
13:45-13:50 [5]	SP - 10	Kumkum Rahman Mouree Kumamoto University, Japan	PKM2 expressed in HIV-1 producer cell affects the infectivity of progeny viruses by targeting reverse transcription step

Poster Discussion (Best Poster vote) 13:50-15:20 [90] **9F Meeting Room**
Chair: Yasuo Ariumi (Kumamoto Univ.)

Session VI 15:20-16:05 [45]
Chair: Kenji Maeda (NCGM)

15:20-15:40 [20]	O2 - 15	Hirokazu Tamamura TMDU, Japan	Development of CD4 mimics for enhancement of activity of HIV neutralizing antibodies
15:40-16:05 [25]	O2 - 16	Shuzo Matsushita Kumamoto University, Japan	Neutralizing antibody based treatment strategy towards functional cure of HIV-1 infection

Special Lecture I 16:05-16:40 [35]
Chair: Masafumi Takiguchi (Kumamoto Univ.)

16:05-16:40 [35]	O2 - 17	Tomáš Hanke University of Oxford, UK	Conserved T-cell Vaccines for HIV-1 to "Kill"
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16:40-16:50 [10] **Coffee Break**

Keynote Lecture 16:50-17:40 [50]
Chair: Shuzo Matsushita (Kumamoto Univ.)

16:50-17:40 [50]	O2 - 18	Hiroaki Mitsuya NCI, NIH, USA, NCGM/Kumamoto University, Japan	A Novel CNS-Penetrating Protease Inhibitor, GRL-142, Overcomes HIV-1 Resistance with Unprecedented aM to pM Potency
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19:00-21:00 [120] **Reception in Hotel Nikko Kumamoto 5F (Best poster award)**

Session VII		9:00-10:10 [70]	
<i>Chairs: Takamasa Ueno (Kumamoto Univ.) & Asier Saez-Cirion (Pasteur Institute, France)</i>			
09:00-09:20 [20]	O3 - 19	Hayato Murakoshi Kumamoto University, Japan	Control of HIV-1 by an HLA-B*52:01-HLA-C*12:02 protective haplotype
09:20-09:40 [20]	O3 - 20	Takuya Yamamoto NIBIOHN/Kumamoto University, Japan	How can we improve CTL functions during cART?
09:40-10:10 [30]	O3 - 21	Hiroshi Takata MHRP, WRAIR, USA	Immune responses during acute HIV-infection and treatment interruption in acutely-treated individuals
10:10-10:25 [15]	Coffee Break		
Session VIII		10:25-11:05 [40]	
<i>Chair: Yosuke Maeda (Kumamoto Univ.)</i>			
10:25-10:45 [20]	O3 - 22	Shigeyoshi Harada NIID, Japan	Identification of novel HIV-1 Env inhibitors by structure-based in silico screening
10:45-11:05 [20]	O3 - 23	Takeo Kuwata Kumamoto University, Japan	Analysis of neutralizing antibody induction in SIV-infected macaques
Special Lecture II		11:05-11:40 [35]	
<i>Chair: Shinichi Oka (NCGM/Kumamoto Univ.)</i>			
11:05-11:40 [35]	O3 -24	Masao Matsuoka Kumamoto University, Kyoto Univeristy, Japan	Strategy and pathogenesis of HTLV-1
11:40-11:55	Closing Remarks		