

1st International Young Investigator Symposium Program

Day 1

March 4, Thursday

6th floor, GTC 9:30 – 17:10

9:00–9:30		Registration	
9:30–9:50	[20]	Opening Remark	
		Hiroaki Mitsuya	(Director for AIDS gCOE, Kumamoto Univ.)
		Plenary Talk I and Joint Session I	
		9:50–12:00 [130]	
		<i>Chair: Takamasa Ueno and Hiroto Nakata</i>	
9:50–10:30	[40]	01 Paul L. Boyer	(National Cancer Institute, USA)
		Plenary Talk	
10:30–11:00	[30]	02 Takeo Kuwata	(Kumamoto Univ.)
		Contribution of antibody response to effective viral suppression and progression of disease during SIV infection	
11:00–11:30	[30]	03 Ryuta Sakuma	(Tokyo Medical and Dental Univ.)
		Rhesus Monkey TRIM5alpha Mediated-Late Restriction of HIV-1 Lifecycle	
11:30–12:00	[30]	04 Guillaume B.E. Stewart-Jones	(University of Oxford, UK)
12:00–14:00	[120]	Lunch / Panel Discussion I	
		Parallel Session II: Immune Responses I	
		14:00–15:30 [90]	
		<i>Chairs: Madoka Koyanagi and Kazutaka Honda</i>	
14:00–14:20	[20]	05 Masao Hashimoto	(Kumamoto Univ.)
		Comprehensive analysis of escape mutation from HIV-1-specific cytotoxic T cells restricted by Asian allele HLA-B*5401	
14:20–14:40	[20]	06 Tetsuo Tsukamoto	(University of Tokyo)
		Benefit of single epitope-specific CD8+ T-cell memory induction without virus-specific CD4+ T-cell help for immunodeficiency virus control	
14:40–15:00	[20]	07 Chihiro Motozono	(Kumamoto Univ.)
		T cell receptor cross-reactivity toward variant HIV antigens is dependent on cognate peptide specificity	
15:00–15:30	[30]	08 Jeffrey J. Ishizuka	(Harvard Medical School, USA)
		Models of Protection and Pathogenesis in HIV-1 Immune Activation	
15:30–16:00	[30]	Coffee Break	
		Parallel Session II: Pathogenesis I	
		16:00–17:10 [70]	
		<i>Chairs: Shigeyoshi Harada and Terumasa Ikeda</i>	
16:00–16:20	[20]	09 Ranya Hassan	(Kumamoto Univ.)
		A unique function of HIV-1 Nef that depends on its highest affinity host factor Hck	
16:20–16:40	[20]	10 Masateru Hiyoshi	(Kumamoto Univ.)
		Molecular mechanism by which HIV-1 Nef-Hck axis induces the Golgi dys-function	
16:40–17:10	[30]	11 Kei Sato	(Kyoto Univ.)
		A novel HIV-1 infection model using humanized mice	
19:00–21:00	[120]	Welcome reception: Shiromiyagura(城見櫓)	

2nd floor, CAIDS 14:00 – 17:10

Parallel Session III: Drug Resistance I		14:00–15:30 [90]	
<i>Chairs: Kazuhisa Yoshimura and Yasushi Tojo</i>			
14:00–14:20	[20]	12 Shigeyoshi Harada (Kumamoto Univ.)	In vitro selections of raltegravir resistant variants using diverse primary isolates, subtype B, C, CRF01_AE, and CRF08_BC
14:20–14:40	[20]	13 Masako Nisizawa (National Institute of Infectious Diseases)	Analyses of minority drug-resistant populations in newly-diagnosed HIV/AIDS patients in Japan using highly sensitive allele-specific PCR
14:40–15:00	[20]	14 Kazuhiko Ide (Kumamoto Univ.)	Novel HIV-1 protease inhibitors (PIs) containing bis-tetrahydrofuran (bis-THF) and a novel polycyclic ligand
15:00–15:30	[30]	15 Hiromi Aoki (Kumamoto Univ.)	Early phase dynamics of HIV-1 infection in hPBM-transplanted NOD/SCID/Jak3 ^{-/-} mice using infectious HIV-1 carrying fluorescent protein mCherry
15:30–16:00	[30]	Coffee Break	
Parallel Session IV: Drug Resistance II		16:00–17:10 [70]	
<i>Chairs: Nobuyo Kuwata and Hiromi Aoki</i>			
16:00–16:20	[20]	16 Takashi Masaoka (Nagoya Medical Center)	Novel high-throughput phenotypic resistance assay for HIV-1 protease using wheat cell-free protein production system
16:20–16:40	[20]	17 Masayuki Amano (Kumamoto Univ.)	Inserts in Gag Proteins Elicit Degradation of the Gag Proteins in Multi-drug-resistant HIV Variants
16:40–17:10	[30]	18 Manabu Aoki (Kumamoto Univ.)	The binary mechanism of HIV-1 resistance to tipranavir (TPV): Loss of inhibition of protease catalytic activity and protease dimerization
19:00–21:00	[120]	Welcome reception: Shiromiyagura(城見櫓)	

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Day 2

March 5, Friday

6th floor, GTC 9:30 – 17:20

Plenary talk II and Joint Session II		9:30–12:10 [160]	
<i>Chairs: Shinya Suzu and Keiko Sakai</i>			
9:30–10:10	[40]	19 Tao Dong (University of Oxford, UK) Plenary Talk	Extensive HLA-driven viral diversity following a single-source HIV-1 outbreak in rural China
10:10–10:40	[30]	20 Hiroto Nakata (National Cancer Institute, USA)	CCR5 receptors form functional clusters upon their interactions with HIV gp120/gp41 trimers
10:40–11:10	[30]	21 Shogo Misumi (Kumamoto Univ.)	UNCOATING OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 REQUIRES PROLYL ISOMERASE PIN1
11:10–11:40	[30]	22 Kosuke Miyauchi (National Institute of Infectious Diseases)	The productive endocytosis of HIV-1
11:40–12:10	[20]	23 Joseph Ziegelbauer (National Cancer Institute, USA)	Human target genes of viral microRNAs expressed by Kaposi's sarcoma-associated herpesvirus
12:10–14:10	[120]	Lunch / Panel Discussion II	
Parallel Session V: Immune Responses II		14:10–15:30 [80]	
<i>Chairs: Masao Hashimoto and Hayato Murakoshi</i>			
14:10–14:30	[20]	24 Hiroyuki Yamamoto (University of Tokyo)	Non-sterile SIV control by neutralizing antibodies: window period for a B-to-T.
14:30–14:50	[20]	25 Teppei Toda (Kumamoto Univ.)	Inhibition of HIV-1 infection by novel anti-CD4 monoclonal antibody
14:50–15:10	[20]	26 Philip Mwimanzi (Kumamoto Univ.)	The effects of CTL-escape conferring mutations on Nef's pathogenic functions in primary macrophages.
15:10–15:30	[20]	27 Kazutaka Honda (Kumamoto Univ.)	Selection of escape mutant by HLA-C-restricted HIV-1 Pol-specific cytotoxic T lymphocytes having a strong ability to suppress HIV-1 replication
15:30–16:00	[30]	Coffee Break	
Parallel Session VI: Immune Responses III		16:00–17:10 [70]	
<i>Chairs: Masumichi Saito and Chihiro Motozono</i>			
16:00–16:30	[30]	28 Maximilian Rosario (University of Oxford, UK)	Long peptides induce polyfunctional T cells against conserved regions of HIV-1 with superior breadth to single-gene vaccines in macaques
16:30–16:50	[20]	29 Nan Zheng (Kumamoto Univ.)	Roles of CD4+ T Cells in the Control of HIV Infection: The Victim Strikes Back
16:50–17:10	[20]	30 Keiko Sakai (Kumamoto Univ.)	Correlation between nadir CD4 counts and skewed distributions of CD4+ T-cell subsets in patients chronically infected with HIV-1
17:10–17:20	[10]	Closing Remark	

2nd floor, CAIDS 14:10 – 17:20

Parallel Session VII: Therapy and Epidemiology		14:10–15:30 [80]	
<i>Chairs: Hiroyuki Gatanaga and Kazuhiko Ide</i>			
14:10–14:30	[20]	31 Takeshi Nishijima (International Medical Center of Japan)	The impact of Tenofovir disoproxil fumarate on renal function among Japanese patients with HIV-1 infection
14:30–14:50	[20]	32 Tamayo Watanabe (International Medical Center of Japan)	Trends of AIDS indicative diseases, malignancies, and cause of death in HIV-1-infected patients in Japan.
14:50–15:10	[20]	33 Jagdagsuren Davaalkham (International Medical Center of Japan)	Current status of HIV infection in Mongolia: Expanding trend of HIV-1 subtype B among MSM
15:10–15:30	[20]	34 Shiro Ibe (Nagoya Medical Center)	Identification of the first circulating recombinant form of HIV-2, CRF01_AB
15:30–16:00 [30]		Coffee Break	
Parallel Session VIII: Pathogenesis II		16:00–17:10 [70]	
<i>Chairs: Takeo Kuwata and Masateru Hiyoshi</i>			
16:00–16:30	[30]	35 Ken Kono (Osaka Univ.)	Viral and host determinants for the restriction of human immunodeficiency virus type 2/simian immunodeficiency virus SIVmac by rhesus monkey TRIM5 α
16:30–16:50	[20]	36 Taisuke Izumi (Kyoto Univ.)	A novel HIV-1 Vif function is mediated by interaction with oncoprotein p53
16:50–17:10	[20]	37 Terumasa Ikeda (Kumamoto University)	Intrinsic restriction activity by apolipoprotein B mRNA editing enzyme APOBEC1 against the mobility of autonomous retrotransposons
17.10–17:20	[10]	Closing Remark	