

11th Kumamoto AIDS Seminar

Global COE Joint International Symposium Program

1st

October 6th, Wednesday

Hotel Nikko Kumamoto 9:00-18:00

8:40-9:00	Registration	
9:00-9:05	Opening Remarks	Isao Taniguchi [President of Kumamoto University]
9:05-9:10		Hiroaki Mitsuya [Director for AIDS Global COE, Kumamoto University]
Session I		9:10-10:20 [70]
<i>Chair: Shinichi Oka [NCGM / Kumamoto Univ.]</i>		
9:10-9:50 [40]	01	Stefan G. Sarafianos [University of Missouri, USA] Structural and biochemical mechanisms of the high potency and low drug resistance to EFdA.
9:50-10:20 [30]	02	Hiroaki Mitsuya [Kumamoto University, Japan] Structure-Guided Development of Antiviral Agents for Treating HIV-1 Infection and AIDS: Discovery of Non-Peptidyl HIV-1 Protease Dimerization Inhibitors (PDIs)
10:20-10:40 [20]	Coffee Break	
Session II		10:40-12:10 [90]
<i>Chair: Hiroaki Mitsuya [Kumamoto Univ.]</i>		
10:40-11:25 [45]	03	Daniel R. Kuritzkes [Brigham & Women's Hospital, USA] HIV-1 resistance to CCR5 antagonists
11:25-12:10 [45]	04	Richard Koup [NIH, USA] Regulation of T cell responses during HIV infection
12:10-13:30 [80]	Lunch	
Session III		13:30-14:25 [55]
<i>Chair: Shuzo Matsushita [Kumamoto Univ.]</i>		
13:30-14:00 [30]	05	Shinichi Oka [NCGM / Kumamoto University, Japan] HIV-1 infection in Asia and Japanese contribution
14:00-14:25 [25]	06	Hiroyuki Gatanaga [NCGM / Kumamoto University, Japan] CTL escape mutations and NNRTI resistance
Session IV		14:25-15:20 [55]
<i>Chair: Hiroyuki Gatanaga [NCGM / Kumamoto Univ.]</i>		
14:25-14:50 [25]	07	Shuzo Matsushita [Kumamoto University, Japan] Strategy to overcome neutralization resistance of HIV-1 primary isolates.
14:50-15:20 [30]	08	Masafumi Takiguchi [Kumamoto University, Japan] The role of HIV-1-specific CD8 ⁺ T cells in HIV-1-infected HLA-B57/B27-negative Japanese individuals
15:20-15:40 [20]	Coffee Break	
Session V		15:40-17:00 [80]
<i>Chair: Masafumi Takiguchi [Kumamoto Univ.]</i>		
15:40-16:20 [40]	09	Arnaud Moris [INSERM, France] On the source of HIV antigens for CTL surveillance and viral escape
16:20-17:00 [40]	10	Zabrina L. Brumme [Simon Fraser University, Canada] Identifying immune escape mutations across HIV-1
Session VI		17:00-18:00 [60]
<i>Chair: Shinji Harada [Kumamoto Univ.]</i>		
17:00-17:30 [30]	11	Akifumi Takaori-Kondo [Kyoto University, Japan] A novel HIV-1 Vif function is mediated by its interaction with p53
17:30-18:00 [30]	12	Tatsuo Shioda [Osaka University, Japan] Retrovirus restriction factor TRIM5alpha

2nd

October 7th, Thursday

Aso Resort GRANDVRIO Hotel 13:00-21:00

13:00-15:00 [120]	Poster Presentation (Odd numbers 13:00-13:45, Even numbers 13:45-14:30, Free time 14:30-15:00)	
Session VII		15:00-15:40 [40]
<i>Chair: Seiji Okada [Kumamoto Univ.]</i>		
15:00-15:40 [40]	13 Anthony D. Kelleher [University of New South Wales, Australia]	New Insights into antiviral CD4+ T cell responses: Identifying, isolating and expanding human antigen-specific effector and regulatory CD4 T cells
Session VIII		15:40-16:10 [30]
<i>Chair: Nobuo Sakaguchi [Kumamoto Univ.]</i>		
15:40-16:10 [30]	14 Tatsuyoshi Kawamura [University of Yamanashi, Japan]	Mechanisms responsible for the enhanced HIV transmission by herpes simplex virus types 2
Session IX		16:10-17:10 [60]
<i>Chair: Takamasa Ueno [Kumamoto Univ.]</i>		
16:10-16:40 [30]	15 Tetsuro Matano [The University of Tokyo, Japan]	The effect of prophylactic vaccination on CTL dominancy post-SIV exposure in rhesus macaques
16:40-17:10 [30]	16 Hirofumi Akari [Kyoto University, Japan]	A novel monkey-tropic HIV-1: toward the development of a new non-human primate model
Session X: Learning from HTLV-1 study		17:10-17:55 [45]
<i>Chair: Masafumi Takiguchi [Kumamoto Univ.]</i>		
17:10-17:55 [45]	17 Charles R M Bangham [Imperial College, UK]	Persistence and spread of human retroviruses in vivo: lessons from HTLV-1
18:00-19:00 [60]	Poster Presentation / Best Poster Award Vote (with Drink)	
19:00-21:00 [120]	Reception	

3rd

October 8th, Friday

Aso Resort GRANDVIRIO Hotel 8:30-15:05

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

Young Investigator Symposium : Group A 8:30-11:50 Organizer: Masayuki Amano [Kumamoto Univ.]			
YIS-A Session I		8:30-10:00 [90]	
Chair: Manabu Aoki [Kumamoto Health Science Univ.] & Masateru Hiyoshi [Kumamoto Univ.]			
8:30-8:50 [20]	18	Hiromi Ogata-Aoki [Kumamoto University, Japan]	Early Phase Dynamics of HIV Infection in hPBMC -Transplanted NOD/SCID/Jak3 ^{-/-} Mice Using Infectious HIV Carrying a Fluorescent Protein, mCherry:2
8:50-9:10 [20]	19	Masayuki Amano [Kumamoto University, Japan]	Inserts in Gag Proteins Elicit Degradation of the Gag Proteins in Multi-drug-resistant HIV Variants
9:10-9:35 [25]	20	Shigeyoshi Harada [Kumamoto University, Japan]	Evolution and selection of the env gene of HIV-1 primary isolates during in vitro selection of raltegravir
9:35-10:00 [25]	21	Takayoshi Koyama [NCGM, Japan]	Integration into DNA double-strand break sites of HIV-1 is not attenuated by raltegravir, an integrase inhibitor
10:00-10:20 [20] Coffee Break			
YIS-A Session II		10:20-11:50 [90]	
Chair: Shigeyoshi Harada & Masayuki Amano [Kumamoto Univ.]			
10:20-10:40 [20]	22	Matthew L. Danish [Kumamoto University, Japan]	Emergence of HIV-1 Variants Highly Resistant to Darunavir and the Resistance Mechanism
10:40-11:00 [20]	23	Masateru Hiyoshi [Kumamoto University, Japan]	HIV-1 Nef Perturbs Function, Structure and Signaling of the Golgi through a Src Kinase Hck
11:00-11:25 [25]	24	Nobutoki Takamune [Kumamoto University, Japan]	Potential low protein expression property of Nef
11:25-11:50 [25]	25	Youichi Ogawa [University of Yamanashi, Japan]	Production of LL-37 during herpes simplex virus types 2 infection in human keratinocytes enhances HIV susceptibility in Langerhans cells, but not in Dendritic cells
※In the afternoon sections, groups joint venue			
11:50-13:30 [100] Poster and Lunch			
Session X I		13:30-13:50 [20]	
Chair: Shinya Suzu [Kumamoto Univ.]			
13:30-13:50 [20]	34	Best Poster Award winner presentation	The winner will be announced on October 7th.
Session X II		13:50-14:20 [30]	
Chair: Atsushi Koito [Kumamoto Univ.]			
13:50-14:20 [30]	35	Eiji Morita [Osaka University, Japan]	Identification of the ESCRT-III proteins required for HIV budding
Session X III		14:20-15:00 [40]	
Chair: Kazuhisa Yoshimura [Kumamoto Univ.]			
14:20-14:40 [20]	36	Hirokazu Tamamura [Tokyo Medical and Dental University, Japan]	Peptidic HIV integrase inhibitors derived from HIV gene products
14:40-15:00 [20]	37	Yukihito Ishizaka [NCGM, Japan]	Vpr induces retrotransposition of long interspersed nucleotide element-1 in brain tissues: implication for HIV-1-induced dysfunction of CNS
15:00-15:05	Closing Remark		Masafumi Takiguchi [Kumamoto University]

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

Young Investigator Symposium : Group B 8:30-11:50 Organizer: Masumichi Saito [Kumamoto Univ.]			
YIS-B Session I		8:30-10:10 [100] Chair: Keiko Sakai & Takeo Kuwata [Kumamoto Univ.]	
8:30-8:55 [25]	26	Masao Hashimoto [Kumamoto University, Japan]	HIV-1 specific HLA-B*5401-restricted Pol155-specific CTLs include distinct CTL repertoire with different antigen specificity against epitope variant
8:55-9:15 [20]	27	Nozomi Kuse [Kumamoto University, Japan]	Long-term control of HIV-1 infection in HLA-B*5101 ⁺ Japanese hemophiliacs
9:15-9:35 [20]	28	Philip Mwimanzi [Kumamoto University, Japan]	Nef activity in down regulation of viral receptors and protection of HIV superinfection is modulated by Nef mutations that confer CTL escape during acute infection
9:35-10:10 [35]	29	Zabrina L. Brumme [Simon Fraser University, Canada]	Impact of immune escape mutations on HIV-1 replication capacity and protein function.
10:10-10:30 [20] Coffee Break			
YIS-B Session II		10:30-11:50 [80] Chair: Masumichi Saito & Masao Hashimoto [Kumamoto Univ.]	
10:30-10:50 [20]	30	Shogo Misumi [Kumamoto University, Japan]	HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 REQUIRES PROLYL ISOMERASE PIN1 FOR UNCOATING
10:50-11:10 [20]	31	Ken Kono [Osaka University, Japan]	Simian-tropic HIV-1 NL-4/5S6/7SvifS shows slower capsid uncoating in human cells
11:10-11:30 [20]	32	Tomoko Kobayashi [Kyoto University, Japan]	Live cell-based mutagenesis studies reveals the structural insights for human tetherin recognition by HIV-1 Vpu
11:30-11:50 [20]	33	Teppei Toda [Kumamoto University, Japan]	A novel anti-CD4 monoclonal antibody that inhibits HIV-1 membrane fusion
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