

2nd Kumamoto IRCMS International Symposium and 17th Kumamoto AIDS seminar

1st

October 31st, Monday

Kumamoto Kenmin Koryu Kaikan Parea 10F Parea Hall 11:30-18:25

11:30		Registration & Poster hanging up	
12:30-12:45		Opening Remarks	Toshio Suda [Director, IRCMS, Kumamoto University] *Special Remarks Shinji Harada [President, Kumamoto University]
Session I Stem Cell (1)		12:45-14:35 [110]	
<i>Chairs: Toshio Suda (Kumamoto Univ.) & Hitoshi Takizawa (Kumamoto Univ.)</i>			
12:45-13:45 [60]	O1 - 01	Keynote Lecture Linheng Li Stowers Institute for Medical Research, USA	Maintaining Normal and Targeting Leukemia Stem Cells
13:45-14:10 [25]	O1 - 02	Hitoshi Takizawa Kumamoto University, Japan	Differential Hematopoietic Stem Cell Response to Inflammatory Cues
14:10-14:35 [25]	O1 - 03	Hitoshi Niwa Kumamoto University, Japan	Overlapped function of Klf family members to maintain pluripotency in mouse embryonic stem cells
14:35-14:55 [20]		Coffee Break	
Session II Topics in HIV Virology		14:55-15:55 [60]	
<i>Chairs: Yasumasa Iwatani (Nagoya Medical Center) & Shogo Misumi (Kumamoto Univ.)</i>			
14:55 - 15:25 [30]	O1 - 04	Takamasa Ueno Kumamoto University, Japan	Effects of natural variability of HIV-1 accessory proteins on the counteraction of host factors and plasma viremia
15:25 - 15:55 [30]	O1 - 05	Kenzo Tokunaga NIID, Japan	MARCH8 is a novel antiviral factor that inhibits HIV-1 infection
		HIV Research by Young Investigator	
15:55-16:25 [30]			
<i>Chairs: Takuya Yamamoto(NIBIO / Kumamoto Univ.) & Yasuo Ariumi (Kumamoto Univ.)</i>			
15:55 - 16:10 [15]	O1 - 06	Atsuko Hachiya Nagoya Medical Center, Japan	Impact of HIV-1 Integrase L74/V75 Mutations in Clinical Isolates on Resistance to Second-generation Integrase Strand Transfer Inhibitors
16:10 - 16:25 [15]	O1 - 07	Zhansong Lin Kumamoto University, Japan	Control of HIV-1 by NK cells via KIR-2DL2 and 2 HLA-C alleles
			9F Meeting Room
Poster session I - AIDS Seminar (with snacks)		16:25-18:30 [125]	
<i>Chairs: Seiji Okada (Kumamoto Univ.) & Yosuke Maeda (Kumamoto Univ.)</i>			

2nd

November 1st, Tuesday

8:45 Registration

Kumamoto Kenmin Koryu Kaikan Parea 10F Parea Hall 9:10-17:50

Session III Stem cell (2) 9:10-10:10 [60]
Chair: Toshio Suda (Kumamoto Univ.)

9:10-10:10 [60] O2 - 08 **Keynote Lecture**
Tsvee Lapidot
 Weizmann Institute, Israel
 Metabolic regulation of blood and bone forming stem cells by the endothelial barrier: the role of ROS and nitric oxide

Session IV Development 10:10-11:25 [75]
Chairs: Guojun Sheng (Kumamoto Univ.) & Yosuke Mukoyama (NIH)

10:10-10:35 [25] O2 - 09 **Guojun Sheng**
 Kumamoto University, Japan
 Gastrulation EMT during axis formation in amniotes

10:35-11:00 [25] O2 - 10 **Yosuke Mukoyama**
 NIH, USA
 Shaping the Organ-specific Vascular Tree

11:00-11:25 [25] O2 - 11 **Ryuichi Nishinakamura**
 Kumamoto University, Japan
 Recreating the kidney from pluripotent stem cells

11:25-11:45 [20] **Coffee Break**

Session V HIV Treatment & Vaccine 11:45-13:15 [90]
Chairs: Naoki Ishizuka (Cancer Institute Hospital) & Kazuhisa Yoshimura (NIID)

11:45-12:15 [30] O2 - 12 **Hiroyuki Gatanaga**
 NCGM / Kumamoto University, Japan
 Recent Progress in HIV Clinical Research

12:15-12:45 [30] O2 - 13 **Tetsuro Matano**
 NIID / Kumamoto University, Japan
 Virus-host immune interaction in SIV infection

12:45-13:15 [30] O2 - 14 **Kenji Maeda**
 NCGM, Japan
 Progress in the therapy for HIV/AIDS: development of molecular-targeting approach for antiretroviral drugs

Poster Session II - IRCMS International Symposium (with light meals) 13:15-14:35 [80] **9F Meeting Room**

Session VI Cancer 14:35-15:50 [75]
Chairs: Masaya Baba (Kumamoto Univ.) & Goro Sashida (Kumamoto Univ.)

14:35-15:00 [25] O2 - 15 **Takatsugu Ishimoto**
 Kumamoto University, Japan
 Identification of the novel molecule mediating gastric cancer invasion based on genomic analysis of cancer-associated fibroblasts

15:00-15:25 [25] O2 - 16 **Rafael Casellas**
 NIH, USA
 B cell activation triggers Epigenome Amplification and Global Decondensation of Chromatin

15:25-15:50 [25] O2 - 17 **Gang Huang**
 Cincinnati Children's Hospital Medical Center, USA
 HIF-1 α Signaling is a Central Pathobiologic Mediator of Myelodysplastic Syndromes

15:50-16:10 [20] **Coffee Break** **finish poster wrapping up**

Session VII Immunological Intervention of HIV 16:10-17:50 [100]
Chairs: Masafumi Takiguchi (Kumamoto Univ.) & Shuzo Matshushita (Kumamoto Univ.)

16:10-16:50 [40] O2 - 18 **Andres Finzi**
 Canada Research Chair on Retroviral Entry
 Unlocking HIV-1 Env: implications for antibody attack

16:50-17:50 [60] O2 - 19 **Keynote Lecture**
Richard Koup
 NIH, USA
 Impact of HIV and SIV on Lymph Node Structure and Function

Group Photos

19:00-21:00 [120] **Reception in Hotel Nikko Kumamoto 5F**

Session VIII HIV Persistence & Cure		9:10-10:40 [90]	
Chairs: Shinichi Oka(NCGM / Kumamoto Univ.) & Akifumi Takaori-Kondo(Kyoto Univ.)			
9:10-9:40 [30]	O3 - 20	Shinya Suzu Kumamoto University, Japan	Fibroblast-like hematopoietic cells, fibrocytes, as potential HIV-1 latently infected cells
9:40-10:10 [30]	O3 - 21	Taketoshi Mizutani Institute of Microbial Chemistry(IMC), Japan	Short HIV-1 transcripts in viral reservoirs and persistent immune activation.
10:10-10:40 [30]	O3 - 22	Francesco Simonetti Johns Hopkins Univ., Sch. Med, USA	HIV's Moving Castle: New Insights on the Persistence of Proviral DNA
10:40-11:00 [20] Coffee Break			
Session IX Cutting edge technology		11:00-12:50 [110]	
Chairs: Pilhan Kim (KAIST) & Yorifumi Satou (Kumamoto Univ.)			
11:00-11:25 [25]	O3 - 23	Pilhan Kim KAIST, Korea	Real-time Intravital Microscopy Technique for Dynamic Cellular Visualization, <i>In Vivo</i>
11:25-11:45 [20]	O3 - 24	Koichi Nishiyama Kumamoto University, Japan	Angiogenesis as a multicellular morphogenesis
11:45-12:05 [20]	O3 - 25	Masaya Baba Kumamoto University, Japan	Metabolic regulation of cell proliferation and differentiation by Flcn-Pgc1 α -axis
12:05-12:30 [25]	O3 - 26	Itoshi Nikaido RIKEN, Japan	A highly quantitative single-cell transcriptome method for realization of effective regenerative medicine
12:30-12:50 [20]	O3 - 27	Yorifumi Satou Kumamoto University, Japan	Application of next generation sequencing to elucidate regulatory mechanism of retrovirus integrated into the host human genome
12:50-13:05	Closing Remarks		Shuzo Matsushita [Director, CAIDS, Kumamoto University] *Special Remarks Takeshi Kurata [Professor, IUHW]