October 18, 2021

13:00-18:30 Okukubo Memorial Hall (Kumamoto University)

13:00-		Registration		
10.00				
13:30-		Opening remarks		
		Shuzo Matsushita (Kumamoto Univ	versity)	
Session I				
13:40-14:20		Plenary		
		Chairperson: Shinya Suzu (Kumamoto University)		
【40min】	1-01	Yasuhito Tanaka Kumamoto University, Japan	Towards the elimination of hepatitis B and C by 2030	
14:20-14:40	Break			
Coopies II				
Session II 14:40-16:10		Antiviral Immunity		
14.40-16.10		Chairpersons: Takamasa Ueno (Ku	ımamoto University)	
	Tetsuro Matano (NIID)			
[30]	2-02	Takayuki Chikata Huretro Kumamoto University, Japan	Mass spectrometry–based identification of HLA-C restricted immunodominant epitopes	
[30]	2-03	Ai Kawana-Tachikawa National Institute of Infectious Diseases, Japan	T cell responses against viral infections	
[30]	2-04	Stephanie Gras La Trobe University, Australia	Fight against viral infection: functional & structural study of the T cell response	
16:10-16:30	Break			
Session III				
16:30-18:00		Immune Pathogenesis		
		Chairpersons: Shuzo Matsushita (Ki		
		Yosuke Maeda (Kum	amoto University)	
[30]	3-05	Takeo Kuwata Huretro Kumamoto University, Japan	Isolation of potent monoclonal antibodies: anti-C1C2 antibody from a HIV-1 CRF02_AG-infected patient and neutralizing antibodies from COVID-19 patients	
[30]	3-06	Takamasa Ueno Huretro Kumamoto University, Japan	Unraveling HIV-host protein interactions by naturally occurring viral variations	
[30]	3-07	Emily B. Wong Africa Health Research Institute, South Africa	MR1-restricted MAIT cells from the human lung mucosal surface have distinct phenotypic, functional, and transcriptomic features that are preserved in HIV infection	

Day 2

October 19, 2021

9:00-18:30

Okukubo Memorial Hall (Kumamoto University)

Session IV

Young Investigators					
9:00-9:25	Part 1	Plenary			
		Chairperson: Chihiro Motozono (K	Kumamoto University)		
【25min】	4-08	Xiaoming Sun Ragon Institute of MGH, MIT and Harvard, USA	HIV-1 viral reservoir landscape and footprints of immune selection in Elite Controllers		
9:35-10:35	Part 2	Selected abstracts			
		Chairpersons : Takeo Kuwata (Kumamoto University) Kenji Sugata (Kumamoto University)			
【15min】	4-09	Toong Seng Tan Huretro Kumamoto University, Japan	Aromatic side chain at position 412 of SERINC5 exerts restriction activity toward HIV-1 and other retroviruses		
【15min】	4-10	Takehisa Watanabe Kumamoto University, Japan	Analysis of epigenomic changes in cccDNA during Hepatitis B virus Reactivation		
【15min】	4-11	Midori Nakamura-Hoshi National Institute of Infectious Diseases	Analysis of immune responses after HTLV-1 infection in cynomolgus macaques		
【15min】	4-12	Sho Sugawara Duke University School of Medicine, USA	Novel multiplex analyses reveal disparate natural killer cell signaling pathway activation during lentivirus infection		
16:35-16:50	Break				
10:50-12:00	Part 3	Parallel sessions			
	Α	Chairperson: Ryusho Kariya (Kumamoto l	University)		
	В	Chairperson: Naofumi Takahashi (Kumam	noto University)		
		,	Please see the next page for details.		
Lunch					

Session V				
13:30-15:00		Virus-Host Interaction		
		Chairpersons : Terumasa Ikeda (Kumamoto University) Kazuaki Monde (Kumamoto University)		
【30min】	5-13	Shinya Suzu Huretro Kumamoto University, Japan	Self-renewing macrophages: how they can proliferate, whether they exist in humans, and how they are involved in HIV-1 infection	
【30min】	5-14	Yasumasa lwatani Nagoya Medical Center, Japan	Antiretroviral molecular mechanisms of APOBEC3 cytidine deaminases	
【30min】	5-15	Kenji Maeda National Center for Global Health and Medicine, Japan	Structural & functional analyses for recent nucleoside reverse transcriptase inhibitors toward functional HIV-1 eradication	
15:00-15:20	Break			
Session VI				
15:20-16:50		Retroviral Latency		
	Chairpersons : Mikako Fujita (Kumamoto University) Kenzo Tokunaga (NIID)			
【30min】	6-16	Kotaro Shirakawa Kyoto University, Japan	Molecular mechanisms how HIV-1 latency is established and maintained	
【30min】	6-17	Yorifumi Satou Huretro Kumamoto University, Japan	A new in-vitro model to monitor HIV-1 proviral transcription by timer-fluorescence protein	
【30min】	6-18	Guangyong Ma China Pharmaceutical University,China	Human retroviral antisense mRNAs are retained in the nuclei of infected cells for viral persistence	
16:50-18:10	Break	(
Session VII				
17:10-18:10		Immune Profiling		
		Chairpersons : Yorifumi Satou (Kui Junichirou Yasunaga	mamoto University) a (Kumamoto University)	
【30min】	7-20	Kenji Sugata Huretro Kumamoto University, Japan	Integrated analysis of HTLV-1 specific CD8 T cells in peripheral blood and cerebrospinal fluid based on TCR sequences.	

Investigating T-cell differentiation and activation in severe COVID-19 patients by single cell RNA-seq

analysis

18:10- Closing Remarks

Masahiro Ono

Imperial College London, UK

7-21

[30min]

Session IV

	Part 3	Parallel sessions					
		A Chairperson: Ryusho Kariya (Kumamoto University)					
[5]	4-13	Emmanuel Nkuwi Huretro Kumamoto University, Japan	Differential sensitivity of Patient-derived Envelope Sequences to SERINC5-Mediated Restriction of HIV-1 Infectivity.				
[5]	4-14	Hesham Nasser Huretro Kumamoto University, Japan	Endogenous APOBEC3F contributes to HIV-1 restriction in the monocytic cell line THP-1				
[5]	4-15	Yuan Yue Huretro Kumamoto University, Japan	Adaptation of HIV-1 with hypo-functional Vif obtained from HIV-1 infected patients to stable APOBEC3H				
[5]	4-16	Youssef M. Eltalkhawy Huretro Kumamoto University, Japan	iPS-derived myeloid line (iPS-ML) as a model to study HIV-1 infection in macrophages				
[5]	4-17	Omnia Reda Huretro Kumamoto University, Japan	A new in-vitro model to monitor HIV-1 proviral transcription by timer-fluorescence protein				
[5]	4-18	Wajihah Sakhor Huretro Kumamoto University, Japan	Establishment of HIV latency in primary human CD4+ T cells by utilizing HIV-Fluorescent Timer system				
[5]	4-19	Akhinur Rahman Huretro Kumamoto University, Japan	Investigation of full-length HIV-1 provirus latency mechanisms in different models				
[5]	4-20	Daisuke Kurita Kumamoto University, Japan	Epigenetic profiles induced by transient Tax expression mimic early phase of T-cell activation				
[5]	4-21	Md Belal Hossain Kumamoto University, Japan	Simplified detection method for the clonality of Bovine leukemia virus infected cells and early diagnosis of Enzootic Bovine Leukosis				
[5]	4-22	Hirotaka Ode Nagoya Medical Center	Characterization of HIV-1 recombinant forms through nanopore sequencing				
[5]	4-23	Perpetual Nyame Kumamoto University, Japan	Drug screening targeting the HIV-1 Gag				
[5]	4-24	Katsuhiko Ono Kumamoto University, Japan	Identification of $\beta\mbox{-lactam}$ ring opened carbothioic S-acids mediated by cysteine hydropersulfide in bacteria				
		B Chairperson: Naofumi Takahashi (Kumamoto University)					
[5]	4-25	Hieu Trung Tran Huretro Kumamoto University, Japan	Monitoring of pre-exposure prophylaxis (PrEP) in Vietnamese men who have sex with men (MSM)				
[5]	4-26	Godfrey Barabona Huretro Kumamoto University, Japan	Association of baseline degree of immunosuppression with plasma markers for fungal translocation and inflammation in long term treated HIV patients				
[5]	4-27	Hung The Nguyen Huretro Kumamoto University, Japan	Identification and characterization of HLA-B*15:02-restricted T cells associated with good clinical outcome in HIV-1 subtype A/E-infected individuals				
[5]	4-28	Ntim Nana Afia Asante Huretro Kumamoto University, Japan	Selection of multiple viral CD8+ T-cell escape mutations associated with a protective MHC-I haplotype in persistent SIV infection				
[5]	4-29	Isaac Ngare Huretro Kumamoto University, Japan	High HIV-1 Viral Load Associates with non-broad Neutralizers in a Cohort of HIV-1 infected Patients from Tanzania				
[5]	4-30	Yuto Nomura National Institute of Infectious Diseases,	Neutralizing antibody induction associated with a germline immunoglobulin gene polymorphism in SIVsmH635FC and SIVsmE543-3 infections				
[5]	4-31	Kaho Matsumoto Huretro Kumamoto University, Japan	The CD4 mimetic compound YIR-821-mediated enhancement of the neutralization activities of plasma IgG against autologous isolates in vitro				
[5]	4-32	Hiroshi Tateishi Kumamoto University, Japan	Discovery of another activity of anti-HIV heterocyclic compound				
[5]	4-33	Gunya Sittithumcharee Huretro Kumamoto University, Japan	Induction of apoptotic cell death in Adult T-cell leukemia/lymphoma by Dinaciclib.				
[5]	4-34	Itnarin Mongkon Huretro Kumamoto University, Japan	The anti-tumor effect of doxycycline in Adult T-cell leukemia				
[5]	4-35	Tingyo Gao Kumamoto University, Japan	Production and characterization of anti-SARS-CoV-2 antibody by immunizing Spike-derived peptide with high affinity to HLA-DR4.				
[5]	4-36	Mako Toyoda Huretro Kumamoto University, Japan	Neutralizing antibody response in COVID-19 convalescents and vaccine recipient				