

FY2019 Adopted International Joint Research Projects

(1) Joint Research Area: Development of Cutting Edge Medical Therapies (4 Projects)

Adoption year	IDNo.	Principal Investigator	PI's Institution	Project Title	IMSUT Host Researcher
2019	K1001	Cheng Yusheng	Sun Yat-sen University	New treatment strategy in acute on chronic liver failure using human iPS cell derived liver organoids	Hideki Taniguchi
2019	K1002	Joydeep Bhadury	Stanford University	Chimera formation assay with cynomolgus monkey embryos <i>in vitro</i>	Hirimitsu Nakauchi
2019	K1004	Catherine M. Bollard	Children's National Medical Center	Clinical development of cord blood derived virus-specific T cell therapy for cord blood transplant recipients in Japan	Satoshi Takahashi
2019	K1005	Jonas Larsson	Lund Stem Cell Center, Lund University	Development of innovative culture method for hematopoietic stem cell expansion	Atsushi Iwama

(2) Joint Research Area: Genome/Cancer/Disease Systems Biology (8 Projects)

Adoption year	IDNo.	Principal Investigator	PI's Institution	Project Title	IMSUT Host Researcher
2019	K2001	Heinrich Leonhardt	University of Munich	Molecular mechanisms underlying DNA methylation replication	Makoto Nakanishi
2019	K2003	Bruce Conklin	UCSF, Gladstone Institute	Establishment of a platform for development and evaluation of exon skipping based gene therapy tool by using human iPS cell	Sumiko Watanabe
2019	K2004	Qin Zhihai	Institute of Biophysics, CAS	Ligustilide inhibits the promotion effect of prostate-cancer associated fibroblasts (CAFS) on endothelial cells	Jun-ichiro Inoue
2019	K2005	Alejandro Soto-Gutierrez	University of Pittsburgh School of Medicine, Department of Pathology	Generation of iPS-derived human hepatocytes in rat liver	Tomoji Mashimo
2019	K2006	Watcharin Loilome	Khon Kaen University, Faculty of Medicine	Establishment of drug testing system for a precision medicine in cholangiocarcinoma	Yoshinori Murakami
2019	K2007	Omar Abdel-Wahab	Memorial Sloan Kettering Cancer Center	Analysis of plethora of ASXL functions under physiological and pathological conditions	Toshio Kitamura
2019	K2101	Leyi WEI	Tianjin University	<i>In-silico</i> functional analyses of non-coding regions in genome sequence	Kenta Nakai
2019	K2102	Martha Espinosa-Cantellano	Center for Research and Advanced Studies	Multiple sclerosis: analysis of the T and B cell receptor repertoire in Mexican patients	Seiya Imoto

(3) Joint Research Area: Infectious Diseases and Immunology (10 Projects)

Adoption year	IDNo.	Principal Investigator	PI's Institution	Project Title	IMSUT Host Researcher
2019	K3001	Eicke Latz	Institut für Angeborene Immunität Universitätsklinik Bonn, Universität Bonn	Identifying subcellular compartments driving Toll-like receptor responses	Kensuke Miyake
2019	K3002	Peter B. Ernst	University of California, San Diego	Intratissue cohabitation of commensal bacteria for immunity and symbiosis	Kohtaro Fujihashi
2019	K3003	Robert Gifford	MRC-University of Glasgow Centre for Virus Research	Impact of human endogenous retroviruses on virus infections and human diseases	Kei Sato
2019	K3004	Akiko Iwasaki	Yale University	Recognition of influenza virus by DNA sensors	Takeshi Ichinohe
2019	K3005	Xiyun Yan	Institute of Biophysics, CAS	A nanocaged nanobody display platform for infectious diseases detection and therapy	Jun-ichiro Inoue
2019	K3006	Kaixia Mi	Institute of Microbiology, Chinese Academy of Sciences	Establishment of a model system of co-infection of Mycobacterium and HIV in human monocyte cell lines to study their interactions	Yasushi Kawaguchi
2019	K3007	Alhaji N'jai	Department of Biological Sciences Fourah Bay College, College of Medicine and Allied Health Sciences (COMAHS), University of Sierra Leone (USL)	Surveillance of viruses causing zoonotic infections in Sierra Leone and Brazil	Yoshihiro Kawaoka

2019	K3008	Hualan Chen	Harbin Veterinary Research Institute (HVRI), Chinese Academy of Agricultural Sciences (CAAS)	Analysis of the spread and transmissibility of highly pathogenic avian influenza H7N9 viruses exhaled from ferrets	Yoshihiro Kawaoka
2019	K3009	Anna Katharina (Katja) SIMON	Kennedy Institute of Rheumatology, Oxford University	Elucidation of mechanisms involved in tissue specific immunity during infection	Cevayir COBAN
2019	K3010	Peter Katsikis	Department of Immunology, Erasmus MC, University Medical Center Rotterdam	Systems Immunology of human vaccine and immunotherapy	Ken Ishii