Appendix

List of Principal Investigators of IFReC, RIMD, CiDER, and CAMaD (Laboratory List of the Program)

ARASE Hisashi	Immunochemistry: Research on the mechanism of immune
	disorders as well as new therapies for immune diseases based on
	new findings on MHC
Sujin KANG	Immune regulation: Research on the mechanisms of autoimmune
	disease and related cytokine signaling pathways
TAKEDA Kiyoshi	Mucosal Immunology: Research on the mechanisms for the
	maintenance of intestinal homeostasis to reveal the pathogenesis
	of inflammatory bowel diseases (IBD)
YAMAMOTO Masahiro	Immunoparasitology: Exploration of host defense systems and
	pathogenesis using the apicomplexan protozoan parasite
	Toxoplasma gondii as a model
YAMASAKI Sho	Molecular Immunology: Research on the mechanism for
	regulation of immune responses through C-type lectin receptors in
	physiological and pathological settings
MATSUOKA-NAKAMURA	Cutaneous Allergy and Host Defense: Research on the
Yumi	relationship between the indigenous bacterial flora in chronic
	inflammatory skin diseases such as atopic dermatitis and the
ELLUMOTO Menchu	pathogenic bacteria that cause inflammation
FUJIMOTO Manabu	Cutaneous Immunology: Research on skin homeostasis for new clinical treatments
MORO Kazuyo	Innate Immune Systems: Research on the mechanisms for
WORO Razuyo	differentiation, signaling and activation of ILC2 and also partner cell
	types
James Badger WING	Human Single Cell Immunology: Exploration of the diversity of
	Tregs and consequences of Treg impairment in a variety of settings
	such as autoimmunity and cancer
OKUZAKI Daisuke	Human Immunology (Single Cell Genomics): Construction of
	single immune cell database
HOSEN Naoki	Cellular Immunotherapy: Development of CAR-T cell therapy
	targeting antigens in various types of cancers
KAMADA Nobuhiko	Microbiology and Immunology: Research on the mechanisms by
	which commensal microbiota cause/exacerbate disease
ISHII Masaru	Immunology and Cell Biology: Elucidation of the complex system
	for bone homeostasis in vivo and other biological phenomena by
	bio-imaging
SUZUKI Kazuhiro	Immune Response Dynamics: Research on the interactions
	between the nervous and immune systems through immune cell
Daron STANDLEY	trafficking controlled by neural inputs
Daion STANDLET	Systems Immunology: Analysis of immune repertoire sequence data and post-transcriptional regulation of immune responses
ISE Wataru	Regulation of Host Defense: Research on the mechanisms of
ISE VVALAFU	
	immune memory in human and underlying long-term survival of plasma cells
ITAKA Keiji	Clinical Biotechnology: Development of innovative medical
	technologies based on the science of biomaterials, DDS, and
	molecular biology
	moreodiai biology

KOBAYASHI Takeshi	Virology: Research on the molecular mechanisms underlying
	Reoviridae virus replication and pathogenesis, and developing
	novel vaccine vectors
IIDA Tetsuya	Bacterial Infections: Research on the mechanism underlying
	bacterial infection and pathogenesis
IKAWA Masahiro	Experimental Genome Research: Research on the mechanisms
	underlying mammalian reproductive systems through genetic
	manipulation of animal models
ISHITANI Tohru	Homeostatic Regulation: Research on cell-cell communication
	and behavior supporting tissue homeostasis and molecular systems
	controlling embryonic development, organogenesis, regeneration,
	aging, and disease
IWANAGA Shiroh	Molecular Protozoology: Research on stage-specific gene
	expression regulated by parasites
NAKAMURA Shota	Pathogen Detection and Identification: Development of new
	methodologies for the detection of all types of pathogens using
	NGS based technologies
WATANABE Tokiko	Molecular Virology: Research on the mechanisms of host
	adaptation, replication, and pathogenicity of viruses
KOTANI Ai	Cellular and Molecular Biology: Development of novel therapies
	for refractory infectious and hematopoietic tumors
TSUKAMOTO Kentaro	Bacterial Zoonoses: Understanding the mechanism of Bartonella
	infection and pathogenesis, and angiogenic factor produced by
	Bartonella
NAKATANI Yoichiro	Medical Evolutionary Genomics: Examining genome evolution
	and its relationship with human health and disease
YAMASAKI Shotaro	RNA Informatics: Elucidating the mechanism underlying gene
	expression regulation by analyzing messenger RNA (mRNA)
KAMIMOTO Kenji	Systems Biomedical Science: Unravelling the circuits of cells and
	genes from large-scale and complex data
TAGUCHI Atsushi	Bacterial Physiology: Clarifying the physiological roles of
	molecular factors involved in key biological processes in pathogenic
	bacteria

References:

(1) Immunology Frontier Research Center (IFReC)

https://www.ifrec.osaka-u.ac.jp/en/laboratory/

(2) Research Institute of Microbial Diseases (RIMD)

http://www.biken.osaka-u.ac.jp/en/laboratories/

(3) Center for Infectious Diseases Education and Research (CiDER)

https://www.cider.osaka-u.ac.jp/researchers/

(4) Center for Advanced Modalities and DDS (CAMaD)

https://www.camad.osaka-u.ac.jp/en/members/