



RIMD

RESEARCH INSTITUTE FOR
MICROBIAL DISEASES

大阪大学微生物病研究所

2026-2027



RIMD

Research Institute for
Microbial Diseases

大阪大学微生物病研究所

The Research Institute for Microbial Diseases (RIMD) was established in 1934 to study microbial and infectious diseases, the immune system, and cancer. The RIMD of today is the result of the hard work and amazing achievements of many researchers over the years.



Join us!

We welcome motivated graduate students and researchers to join our various departments. The Orientation and Lab Tour is held annually in May. Please check our website for details.



Information in The University of Osaka website

Study at The University of Osaka
The University of Osaka website for Global Affairs
<https://www.osaka-u.ac.jp/en/international>



Study Abroad at The University of Osaka
<https://www.osaka-u.ac.jp/sp/whyou/>



Student Support
Center for International Education and Exchange(CIEE)
<https://ciee.osaka-u.ac.jp/en/>



Student Organization
(OUISA, B.S.P., International Student Associations at The University of Osaka)
https://ciee.osaka-u.ac.jp/en/international_exchange/student_organization/



Work at The University of Osaka
IFReC Website for Overseas Researchers
<https://www.ifrec.osaka-u.ac.jp/en/liaison/>



Scholarship

Japan Student Services Organization (JASSO)
<https://www.studyinjapan.go.jp/en/>



Japanese Government (MEXT) Scholarship Students
<https://www.studyinjapan.go.jp/en/planning/scholarships/>



Municipal Groups for International Exchange

Suita International Friendship Association
<https://suita-sifa.org/>



Minoh Association For Global Awareness
<https://mafga.or.jp/en/>



Association for Toyonaka Multicultural Symbiosis
<https://www.a-atoms.info/information-for-foreigners/>



Osaka Foundation of International Exchange,
Planning and Promotion Group
<https://ofix.or.jp/english/>



Message from International Researchers at RIMD

01

Farahana Kresno
(Department of Parasitology, D2)



02

Xiaodong Li
(Department of Regulation of Infectious Cancer, Postdoc)

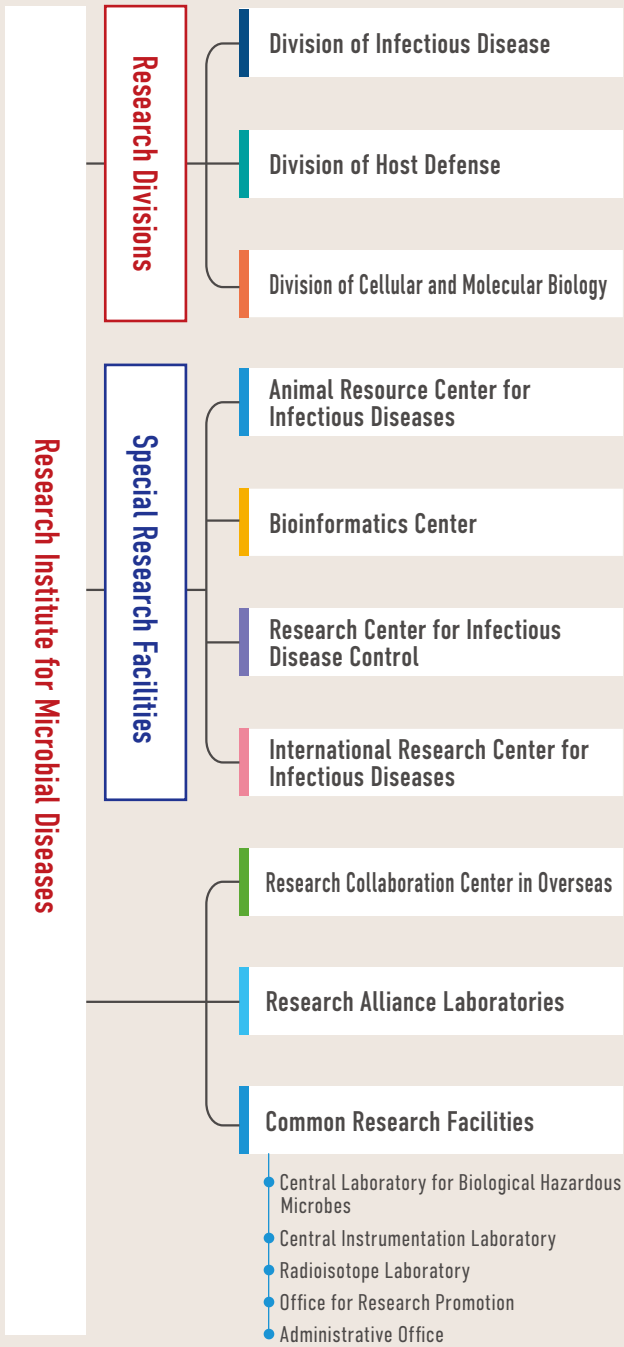


Other Researchers

RIMD's
Curious People@RIMD



Organization



About RIMD



RIMD-AT-A-GLANCE



RIMD Virtual Tour



Research Divisions

Division of Infectious Disease



Prof.
Tokiko Watanabe



Department of Molecular Virology

- Ebola virus
- Influenza virus



Prof.
Masahiro Yamamoto



Department of Immunoparasitology

- Toxoplasma
- Parasite immunity
- Tumor immunity



Prof.
Kosuke Fujimoto



Department of Microbial Regulation

- Microbiome
- Bacteriophage



Prof.
Toshio Kodama



Department of Molecular Bacteriology

- Enteric bacterial pathogens

MEXT Joint Usage / Research Center

In 2008, MEXT established a system called "Joint Usage / Research Center" which allows researchers across the country to jointly utilize research facilities and data beyond individual university frameworks for collaborative research. RIMD was designated as Joint Usage / Research Center in 2009.



Next Generation Sequencers



Animal Facility

Division of Host Defense



Prof.
Sho Yamasaki



Department of Molecular Immunology

- Immune receptors
- T cell responses



SA Prof.
Shizuo Akira



Department of Host Defense

- RNA-binding protein



Prof.
Hisashi Arase



Department of Immunochemistry

- Immune tolerance
- Immune evasion

Laboratory of Immunoglycobiology

- GPI deficiency (PNH, IGD) Gene therapy

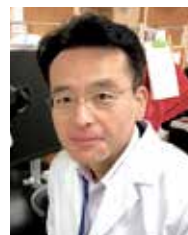


Laboratory of Immunometabolism

- Metabolism
- Immune system



Division of Cellular and Molecular Biology



Prof.
Eiji Hara



Department of Molecular Biology

- Cell senescence

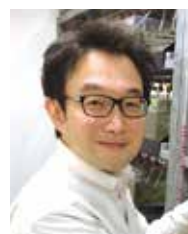


Prof.
Nobuyuki Takakura



Department of Signal Transduction

- Cancers and blood vessels



Prof.
Tohru Ishitani



Department of Homeostatic Regulation

- Cell competition
- Systemic aging



Prof.
Ai Kotani



Department of Regulation of Infectious Cancer

- EB Virus
- Viral cancers



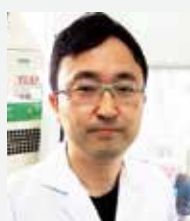
Prof.
Kenji Kamimoto



Department of Systems Biomedical Science

- Gene regulation system
- AI for biology research

Research Collaboration Center in Overseas



Research Collaboration Center on Emerging and Re-emerging Infections (RCC-ERI)

Head of Center
SA Assoc. Prof.
Kazuhisa Okada



Section of Bacterial Infections

Section of Viral Infections

Section of Bacterial Drug Resistance Research

Section of Antiviral Research

Mahidol-Osaka Center for Infectious Diseases



Global Activities

We engage in international research activities and personnel development initiatives, including the Japan-Thailand Infectious Disease Research Center, which is open for widespread use and functions as a collaborative frontline base for global infectious disease control.

- Clinical Training Course on Tropical Infectious Diseases in Thailand
- Taniguchi Scholarship: International Students Scholarship Program

Special Research Facilities

Bioinformatics Center



Prof.
Masahito Ikawa



Department of Experimental Genome Research

- Reproductive biology
- Genome editing



Prof.
Daron Standley



Department of Genome Informatics

- Bioinformatics

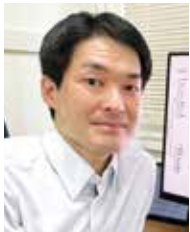


Assoc. Prof.
Shota Nakamura



Department of Infection Metagenomics

- Genomics
- Metagenomics
- Structural biology



Prof.
Yoichiro Nakatani



Department of Biological Informatics Laboratory of Medical and Evolutionary Genomics

- Genome evolution
- Cancer genome analysis

NGS core facility



Network Administrator's Office



Assoc. Prof.
Shotaro Yamasaki



Department of Biological Informatics Laboratory of RNA Informatics

- Regulatory element analysis
- Sequence optimization
- Spatial transcriptomics



Prof.
Jumpei Ito



Department of Biological Informatics Laboratory of Virus Informatics

- Virus Informatics
- Prediction of viral evolution
- Searching for Next Pandemic Viruses

Animal Resource Center for Infectious Diseases



The Center has facilities for conducting infectious animal experiments safely and developing research support for genetically modified animal production technology.

Research Alliance Laboratories

BIKEN-RIMD NGS Laboratory



BIKEN Innovative Vaccine Research Alliance Laboratories

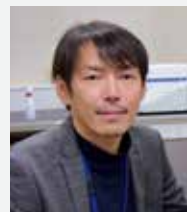


SA Prof.
Yasuo Yoshioka



Laboratories Vaccine Creation Group

- Vaccinology



SA Prof.
Hirotaka Ebina



Laboratories Virus Vaccine Group

- Virus vaccines

Research Center for Infectious Disease Control



Prof.
Tetsuya Iida



Department of Bacterial Infections

- *Vibrio parahaemolyticus*



Prof.
Shiroh Iwanaga



Department of Parasitology

- Malaria



Prof.
Takeshi Kobayashi



Department of Virology

- Rotavirus
- Norovirus
- Reovirus



SA Prof.
Yoshiharu Matsuura



Laboratory of Virus Control

- RNA viruses



SA Prof.
Toshihiro Horii



Laboratory of Malaria Vaccine Development

- Malaria vaccine
- Clinical development

International Research Center for Infectious Diseases



SA Assoc. Prof.
Masaharu Iwasaki



Laboratory of Emerging Viral Diseases

- Virus Biology
- Pandemic Preparedness



SA Assoc. Prof.
Kentaro Tsukamoto



Laboratory of Bacterial Zoonoses

- *Bartonella*



SA Assoc. Prof.
Ryuichiro Abe



Laboratory of Bacterial Pathogenesis

- Antimicrobial resistance
- Bloodstream infection

Pathogenic Microbes Repository Unit



The Research Foundation for Microbial Diseases of Osaka University (BIKEN Foundation)



Established simultaneously with the RIMD in 1934, BIKEN foundation has contributed to the prevention of infectious diseases through the Vaccine development.

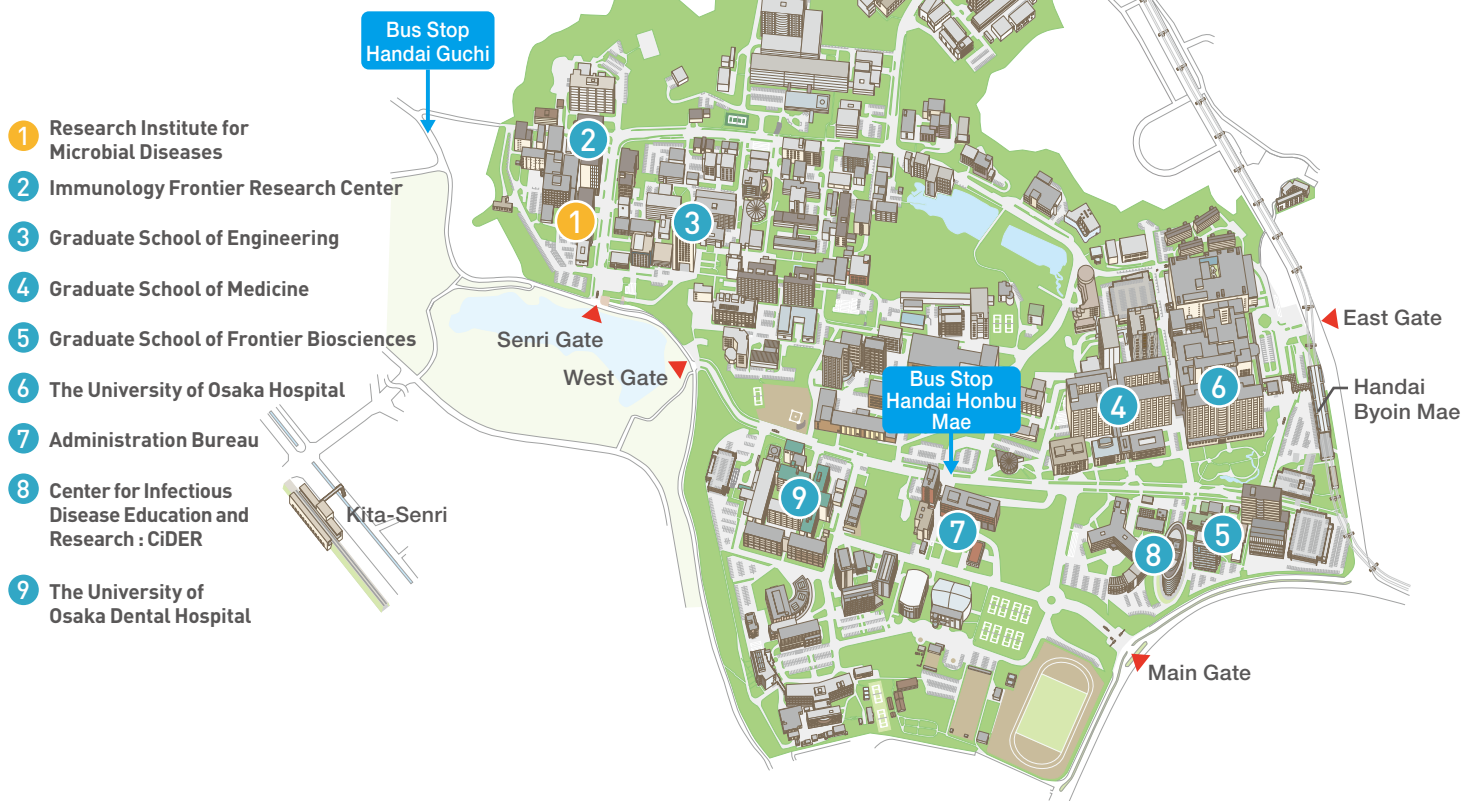
Common Research Facilities



- Central Laboratory for Biological Hazardous Microbes
- Radioisotope Laboratory
- Central Instrumentation Laboratory
- Office for Research Promotion
- Administrative Office

ACCESSMAP

►The University of Osaka Suita Campus



Support RIMD

Be part of the quest to find out more in science



The University of Osaka Foundation for the Future

Research Institute for Microbial Diseases

Your support will enable us to fuel innovative research and education in RIMD.

[How to donate]

Please make your donation for our projects at the following website
<https://www.biken.osaka-u.ac.jp/en/donate/>



Published by >

Office for Research Promotion
Research Institute for Microbial Diseases
The University of Osaka

3-1 Yamadaoka, Suita, Osaka 565-0871, Japan
Tel +81-6-6879-8357
e-mail biken-pr@biken.osaka-u.ac.jp

<https://www.biken.osaka-u.ac.jp/en/>



hashtag #RIMD