

# Join us!



We welcome motivated grad-students and researchers to study basic medical science, including microbiology, immunology and oncology. The Orientation and lab tour would be held in May every year. Please check our website for detail.

## Information in Osaka University website

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

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

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

Support Office for International Students and Scholars  
<https://iss-intl.osaka-u.ac.jp/supportoffice/>

International Students Groups  
Osaka University International Students Association (OUISA)  
<http://ouisa.info/>

Osaka University Brothers and Sisters Program (BSP)  
<https://www.facebook.com/BSPOsakaUniversity>

Work at Osaka University  
IFReC Website for Overseas Researchers  
<http://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/scholarship/>

## Municipal Groups for International Exchange

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

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://www.ofix.or.jp/english/>



## ACCESSMAP

▶ Osaka University Suita Campus



## Support RIMD

Be part of the quest to find our more in science

Osaka University 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  
<http://www.biken.osaka-u.ac.jp/en/donate/>



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hashtag #RIMD

# RIMD

Research Institute for  
Microbial Diseases  
大阪大学微生物病研究所

# 2024-2025



# 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.



## About RIMD



RIMD-AT-A-GLANCE



RIMD Virtual Tour





## Organization

### Research Divisions

Division of Infectious Disease

Division of Host Defense

Division of Cellular and Molecular Biology

### Special Research Facilities

Animal Resource Center for Infectious Diseases

Research Center for Infectious Disease Control

Bioinformatics Center

International Research Center for Infectious Diseases

Overseas Base

Endowed Chair

Research Alliance Laboratory

Common Research Facilities

Central Instrumentation Laboratory

Radioisotope Laboratory


Central Laboratory for Biological Hazardous Microbes

Office for Research Promotion

General Affairs Section • Accounting Section • Research Cooperation Section

## RIMD Researchers

Division of Infectious Disease




Prof. Yasuhiko Horiguchi

Dept of Molecular Bacteriology

- Bacterial toxins
- Whooping cough
- Melioidosis

Division of Infectious Disease




Prof. Tatsuo Shioda

Dept of Viral Infections

- HIV

Division of Infectious Disease




Prof. Tokiko Watanabe

Dept of Molecular Virology

- Ebola virus
- Influenza virus

Division of Infectious Disease




Prof. Masahiro Yamamoto

Dept of Immunoparasitology

- Toxoplasma
- Parasite immunity
- Tumor immunity

Bioinformatics Center




Prof. Masahito Ikawa

Dept of Experimental Genome Research

- Reproductive biology
- Gene editing

Bioinformatics Center




Prof. Daron Standley

Dept of Genome Informatics

- Bioinformatics

Bioinformatics Center




Assoc. Prof. Shota Nakamura

Dept of Infection Metagenomics


- Genome analysis
- Structural Biology

Bioinformatics Center




NGS Core Facility

Bioinformatics Center



Network Administrator's Office

International Research Center for Infectious Diseases




SA Assoc. Prof. Masaharu Iwasaki

Lab of Emerging Viral Diseases

- Arenavirus

International Research Center for Infectious Diseases




SA Assoc. Prof. Kentaro Tsukamoto

Lab of Bacterial Zoonoses

- Bartonella

International Research Center for Infectious Diseases



SA Assoc. Prof. Ryuichiro Abe

Lab of Bacterial Pathogenesis


- Antimicrobial resistance
- Bloodstream infection

International Research Center for Infectious Diseases



Pathogenic Microbes Repository Unit

Division of Host Defense




Prof. Sho Yamasaki

Dept of Molecular Immunology

- C-type lectin receptors
- T cell receptors

Division of Host Defense



Prof. Hisashi Arase

Dept of Immunochimistry

- Autoimmune diseases
- Immune evasion

Division of Host Defense




SA Prof. Shizuo Akira

Dept of Host Defense

- Toll-like receptor

Division of Host Defense




Prof. Kazuhiro Suzuki

Dept of Immune Response Dynamics

- Lymphocyte trafficking
- Neuroimmunology


Division of Host Defense



Lab of Immunoglycobiology

- GPI deficiency (PNH, IGD)

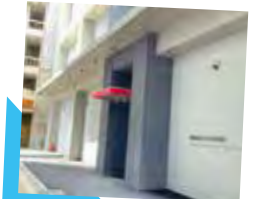
Division of Host Defense



Lab of Immunometabolism

- Metabolism
- Immune system


Common Research Facilities



Common Research Facilities


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

Common Research Facilities



Animal Resource Center for Infectious Diseases

Research Center for Infectious Disease Control




Prof. Tetsuya Iida

Dept of Bacterial Infections

- *Vibrio parahaemolyticus*

Research Center for Infectious Disease Control




Prof. Takeshi Kobayashi

Dept of Virology

- Reovirus
- Rotavirus

Research Center for Infectious Disease Control




Prof. Shiroh Iwanaga

Dept of Molecular Protozoology

- Malaria

Research Center for Infectious Disease Control




Prof. Yoshiharu Matsuura

Lab of Virus Control

- RNA virus

Division of Cellular and Molecular Biology




Prof. Eiji Hara

Dept of Molecular Microbiology

- Cell Senescence

Division of Cellular and Molecular Biology




Prof. Nobuyuki Takakura

Dept of Signal Transduction

- Cancers and blood vessels

Division of Cellular and Molecular Biology



Prof. Tohru Ishitani

Dept of Homeostatic Regulation

- Cell-cell communication
- Systemic Aging

Division of Cellular and Molecular Biology




Prof. Ai Kotani

Dept of Regulation of Infectious Cancer

- EBVirus
- Viral Cancers

Endowed Chair



Prof. Toshihiro Horii

Dept of Malaria Vaccine Development

- Malaria vaccine
- Clinical development


Endowed Chair




Dept of Cellular Immunology

- Adjuvant
- T cell
- Patient-derived xenograft (PDX)

Overseas Bases



Sec of Bacterial Drug Resistance Research



Sec of Antiviral Research

Mahidol-Osaka Center for Infectious Diseases

Overseas Bases




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

Head of Center  
SA Assoc. Prof. Kazuhisa Okada


- Sec of Bacterial Infections
- Sec of Viral Infections

Research Alliance Laboratory



BIKEN-RIMD NGS Laboratory

Research Alliance Laboratory




BIKEN Innovative Vaccine Research Alliance Laboratories

SA Prof. Yasuo Yoshioka

Vaccine Creation Group

- Vaccinology

Research Alliance Laboratory




BIKEN Innovative Vaccine Research Alliance Laboratories

SA Prof. Hirotaka Ebina

Virus Vaccine Group

- Virus vaccines

BIKEN foundation



BIKEN

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

## 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.

## 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