

• Research Environment •

[Faculty Members]

Scientific leaders specialized in medicine, veterinary medicine, pharmacology, science, agriculture, and informatics from Faculty of Veterinary Medicine, Research Center for Zoonosis Control, and Faculty of Medicine will jointly supervise student's PhD study.

- **Faculty of Veterinary Medicine** : Laboratory of Microbiology, Laboratory of Infectious Diseases, Laboratory of Parasitology, Laboratory of Public Health, Laboratory of Veterinary Hygiene
- **Research Center for Zoonosis Control** : Division of Global Epidemiology, Division of Molecular Pathobiology, Division of Bioresources, Division of Collaboration and Education, Division of Bioinformatics, Division of Infection and Immunity, Unit of Risk Analysis and Management, Laboratory for Biologics Development, Unit of International Cooperation, Hokudai Center for Zoonosis Control in Zambia (HUCZCZ)
- **Faculty of Medicine** : Laboratory of Microbiology and Infectious Diseases



Faculty of Veterinary Medicine



Research Center for Zoonosis Control



Faculty of Medicine

[Research Facilities]

Biosafety level 3 experiment rooms (one of the largest in Japan)
State-of-the-art scientific equipment for infectious disease research

[Globalized Education]

Students can access the international collaborating research community consisting of scientists from more than 30 countries, enabling them to explore the chance for internships and joint work.

[International Collaboration Network]

Institutions in more than 30 countries.

[Overseas Center]

Hokudai Centre for Zoonosis Control in Zambia

[Global Institution for Collaborative Research and Education]

- University of Melbourne
- University College Dublin
- King Abdullah University of Science and Technology

[Designation from International Organization]

WHO Collaborating Centre for Zoonoses
OIE Reference Laboratories for Avian Influenza

[Expected Career Path]

- **International Organizations**
World Health Organization (WHO), World Organisation for Animal Health (OIE), Food and Agriculture Organization of the United Nations (FAO), etc.
- **Institutions of higher education**
Universities (inside/outside Japan)
- **Industry**
Pharmaceutical companies, food and beverage companies, private research institutes, etc.
- **Public Research Institute**
Ministry of Health, Labour and Welfare, Ministry of Agriculture, Forestry and Fisheries, National Institute for Infectious Diseases, National Institute of Animal Health, Food Safety Commission of Japan, Japan International Cooperation Agency, National Institute of Advanced Industrial Science and Technology, local governments, etc.

[Contact]

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Graduate School of Infectious Diseases

Hokkaido University

Established
from
**April
2017**

4-Year PhD Program

[12 Students Each Year] Division of Infectious Diseases



Introduction

Recent outbreaks of infectious diseases, such as influenza, Ebola virus disease, and Zika virus disease, are demonstrating the urgent need to develop experts who can take leadership for the control of zoonoses in global society.

Basic and applied research on the ecology of microorganisms, host response to infections, development of prevention, diagnosis and treatment methods, and problem solving with global policy are prerequisite to developing practical and effective strategies to control infectious diseases in humans and animals.

Hokkaido University has established the basis of the international collaboration center for zoonosis control under the 21st Century COE Program and the Global COE Program. The Program for Leading Graduate Schools established a graduate school program for fostering global leaders in veterinary science. To further strengthen international and interdisciplinary education, the Graduate School of Veterinary Medicine will be reorganized to the Graduate School of Veterinary Medicine and the Graduate School of Infectious Diseases.

The Graduate School of Infectious Diseases brings together scientific leaders specialized in medicine, veterinary medicine, pharmacology, science, agriculture, and informatics. Collaborating with an international research community with representatives from more than 30 countries, the faculty members educate new generations of global leaders who can take leadership for the control of zoonoses.



Educate new generations of infectious disease leaders who can contribute to global health solutions.

Mission

The Graduate School of Infectious Diseases educates new generations of leaders who have broad vision, innovative ideas, and the decision-making ability required to make scientific solutions for the worldwide problems of infectious diseases.

Applicant Qualifications

Those who have graduated from a six-year program in Veterinary Medicine, Medicine, Dentistry or Pharmaceutical Science; those who have a master's degree; and those who are judged to have academic ability equal to or greater than a person satisfying the condition mentioned above.

Admission Policy

Applicants for admission are expected to possess the following qualities/abilities

- A desire to contribute to scientific research associated with infectious disease and its control
- Deep understanding of the concept of One Health (human, animal and environmental health)
- Practical ability to work in fields where infection occurs in addition to research in the laboratory
- The willingness and ability to collaborate as part of an international team



Curriculum of Graduate School of Infectious Diseases (all in English)

