

9. Outline of the research department of the main supervisor

Major : Veterinary Medicine

Research department	Summary
Basic Veterinary Science	<p>At Joint Faculty of Veterinary Medicine, Kagoshima University has been involved in many education and research activities including those relating to veterinary anatomy, behavioral physiology and ecology, pharmacology, molecular pathology, animal experimentation, and genome control. Based on these activities, this doctoral program provides a veterinary medical research context for research into biological function, and is active in developing the next generation of life science researchers, cultivating their knowledge of the basic biology of veterinary medicine by utilizing a synthetic animal experiment facility (internationally approved by the AAALAC).</p>
Pathological and Preventive Veterinary Science	<p>At Joint Faculty of Veterinary Medicine, Kagoshima University, and specifically its TAD center, has been involved in studies on early diagnosis and preventive control of highly pathogenic avian influenza, porcine epidemic diarrhea, hog cholera and other infectious diseases. These studies have been pursued in collaboration with local governments, the Kyushu Branch of the National Institute of Animal Health (itself part of the National Agriculture and Food Research Organization), the National Institute of Infectious Diseases and other organizations. Based on these research activities, this doctoral program is able to provide applied veterinary medical research training in microbiological frontier research areas such as pathogenic microorganisms, veterinary hygiene, parasitology and infectious disease research, control of infectious disease including animal hygiene and public health, and pathological diagnosis and pathological appraisal.</p>
Clinical Veterinary Science	<p>At Joint Faculty of Veterinary Medicine, Kagoshima University has also been involved in education and research activities including hereditary diseases of companion animals; neurologic diseases; urinary diseases; neoplastic diseases; the developmental engineering of cattle; the respiratory diseases, gastrointestinal diseases, and reproductive disorders of cattle, horses, and pigs; and motor system diseases of dogs and horses. Based on these research activities, this doctoral program is able to provide programs in clinical veterinary medicine in order to lead advanced studies in clinical veterinary medicine and to promote reproduction and disease control of livestock in support of food production and increased economic resources.</p>