

vetmeduni

University of Veterinary Medicine, Vienna

Teaching. Research. Healing.
For more than 250 years



For animals and people

The University of Veterinary Medicine Vienna (Vetmeduni), founded in 1765 by Empress Maria Theresa, is the only academic institution for veterinary education and research in Austria and the oldest in the German-speaking world. Vetmeduni offers a first-rate education with a high degree of practical relevance. Outstanding basic research in veterinary medicine and the natural sciences, along with applied and clinical research, are a precondition for scientific progress that benefits both animals and humans. Because healthy animals and safe animal-based foods are an essential prerequisite for general public health.

The academic offering at Vetmeduni meets international standards, with course content imparted in a problem-oriented and interdisciplinary manner. Five university clinics, several agricultural teaching and research facilities, as well as a veterinary training centre are available for clinical and practical training.

The university clinics serve as both a teaching hospital and a referral clinic for challenging cases from veterinary practitioners. Animal patients receive medical care at the university clinics 24 hours a day, 7 days a week, 365 days a year.

In Vienna, the Messerli Research Institute is situated on the campus of Vetmeduni, with two further research institutes located at Wilhelminenberg above the city. Additional facilities outside of Vienna include the Wolf Science Center (WSC) in Ernstbrunn, the VetFarm south of Vienna with a field station in Wieselburg, the

Interuniversity Department for Agrobiotechnology (IFA Tulln), the field station of the Austrian Ornithological Centre (AOC) in Seebarn/Grafenwörth and the Ruminants in the Alpine Region field station in Innsbruck.

In addition to research and teaching, Vetmeduni has made it its “third mission” to share its accumulated knowledge with society, for example at the Vetmeduni Open Day, the Children’s University event, on our guided tours or in our magazine.

Staff and students also have access to an all-day childcare facility as well as numerous other benefits.

Sustainable Development Goals (SDGs) – sustainability campaign

In early 2020, Vetmeduni launched a new campaign focused on the United Nations Sustainable Development Goals (SDGs). Each year, three different SDGs will be chosen as a priority of the university’s communication activities.



2020



2021



2022



Rectorate (left to right):
 Jürgen Rehage, Vice-Rector for Study Affairs and Clinical Veterinary Medicine
 Petra Winter, Rector
 Manuela Raith, Vice-Rector for Resources and Digitalisation
 Otto Doblhoff-Dier, Vice-Rector for Research and International Relations



Vetmeduni has set itself the task of making a positive contribution to sustainability and environmental protection. For this purpose, the campus management established an in-house eco-management and audit scheme (EMAS) for voluntary environmental management.



Vetmeduni is committed to the compatibility of work/study with family and has held the “hochschuleundfamilie” (“university and family”) certificate since 2011.



INTERNATIONAL RECOGNITION: FULL EAEVE ACCREDITATION

Vetmeduni is one of Europe’s leading academic institutions for veterinary education and research that is evaluated by the European Association of Establishments for Veterinary Education (EAEVE). In June 2020, the EAEVE decision board (ECOVE) granted full EAEVE accreditation to Vetmeduni for another seven years without any major or minor deficiencies.



TOP PLACEMENT IN GLOBAL RANKING OF ACADEMIC SUBJECTS

In 2022, for the sixth year in a row, Vetmeduni was again among the top ten in the Life Sciences and the related Veterinary Sciences. Since 2017, the number of subjects reviewed and evaluated by the Shanghai Global Ranking of Academic Subjects in the categories of Natural Sciences, Engineering, Life Sciences, Medical Sciences and Social Sciences has grown to 54 at more than 4,000 universities worldwide.

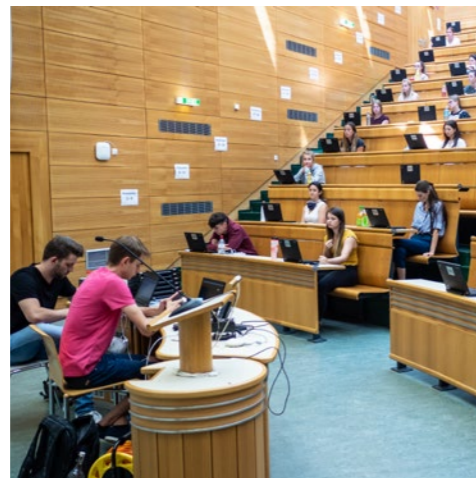
First-rate education

Vetmeduni offers its students a first-rate education. In addition to diploma and doctoral programmes in Veterinary Medicine, the university also has a Bachelor's Programme in Biomedicine and Biotechnology and a Master's Programme in Comparative Biomedicine. Other Master's Programmes include Precision Animal Health, Human-Animal Interactions, Evolutionary Systems Biology, and Wildlife Ecology and Wildlife Management. PhD studies round off the offer. Internships and residencies provide in-depth veterinary training after graduation. Various university-level training courses enable training and further education in specialised areas.

Hands-on education

Hands-on training is a top priority at Vetmeduni. Students can put theory to practice at the university's four VetFarm teaching and research facilities. The mobile clinic allows students aiming to become farm animal veterinarians to train at a selection of partner farms. The Vet-Farm teaching and research facilities is an important complement to the teaching hospital on the Vienna campus.

The VetSim – Simulating Vet's Life skills lab at Vetmeduni provides prospective veterinarians with hands-on preparation for their future careers. The training clinic and laboratory allows students to acquire their first hands-on experience in veterinary medicine. Small procedures that are part of a veterinarian's daily routine can be practised on a canine dummy until they are mastered and students can perform them safely and professionally.



This prepares the students for their future interaction with animal patients.

Student-centred learning

The educational approach at Vetmeduni is based on the concept of student-centred learning, with a focus on competence-oriented and self-reliant education. Teaching takes place in small groups and courses are designed to be interactive, with multimedia support such as a classroom clicker system or the Vetucation® e-learning platform.



Courses of study

Diploma programme
Veterinary Medicine

Bachelor's programmes:
Biomedicine and Biotechnology

Master's programmes:
Interdisciplinary Master's Programme
in Human-Animal Interactions (in English)

Evolutionary Systems Biology¹ (in English)

Comparative Biomedicine – Infection
Biomedicine and Tumour Signalling
Pathways (in English)

Wildlife Ecology and Wildlife
Management²

Precision Animal Health

Doctorate
Veterinary Medicine

PhD Programme

¹in cooperation with the University of Vienna
²in cooperation with the University of
Natural Resources and Life Sciences, Vienna

University-level training courses/ continuing education

Applied Cynology

Introduction to Carrying out
Procedures on Animals

Certified Canine Rehabilitation
Practitioner (CCRP)

Veterinary Public Health
Qualification ("Physikat")

Internships

Small Animal Medicine, Equine
Medicine, Ruminant Medicine

For every category of animal, all clinical areas
– from anaesthesiology to diagnostic imaging to
pathology – are covered on a rotation basis.

Residency programmes



ANAESTHESIA AND
ANALGESIA ECVAA

(European College of Veterinary
Anaesthesia and Analgesia)



OPHTHALMOLOGY
ECVO

(European College of
Veterinary Ophthalmology)



DIAGNOSTIC IMAGING
ECVDI

(European College of
Veterinary Diagnostic Imaging,
Small Animal Track)



SURGERY,
LARGE ANIMALS ECVS

(European College of Veterinary
Surgery, Large Animal Surgery)



SURGERY,
SMALL ANIMALS ECVS

(European College of Veterinary
Surgery, Small Animal Surgery)



DERMATOLOGY
ECVD

(European College of
Veterinary Dermatology)



POULTRY MEDICINE
ECPVS

(European College of
Poultry Veterinary Science)



INTERNAL MEDICINE,
COMPANION ANIMALS ECVIM-CA

(European College of
Veterinary Internal Medicine,
Companion Animals)



INTERNAL MEDICINE,
COMPANION ANIMALS,
ONCOLOGY ECVIM-CA, ONCOLOGY

(European College of
Veterinary Internal Medicine,
Companion Animals – Oncology)



INTERNAL MEDICINE,
HORSES ECEIM

(European College of
Equine Internal Medicine)



REPRODUCTIVE MEDICINE
ECAR

(European College of
Animal Reproduction)



BOVINE HEALTH
MANAGEMENT ECBHM

(European College of
Bovine Health Management)



PORCINE HEALTH
MANAGEMENT ECPHM

(European College of
Porcine Health Management)



SPORTS MEDICINE
ECVSMR

(European College of Veterinary
Sports Medicine and Rehabilitation,
Small Animal Track)



VETERINARY PARASITOLOGY
EVPC

(European Veterinary
Parasitology College)



VETERINARY PATHOLOGY
ECVP

(European College of
Veterinary Pathologists)

Research across borders

Researchers at Vetmeduni conduct outstanding basic research in veterinary medicine and the natural sciences as well as applied and clinical research. Teaching and research are closely linked, which leads to new perspectives in prevention, novel diagnostic possibilities and more targeted treatments for the benefit of animal patients that can be rapidly introduced into veterinary medical practice.

Relevant to society

The research at Vetmeduni deals with matters that are of importance for society, with a focus on animal health as well as preventative veterinary medicine, public health and food safety. Research interests also extend to generating a scientific basis for animal welfare as well as issues of animal husbandry, animal protection and animal ethics.

One Health: research for animal and human health

Veterinarians work where animals, humans and the environment intersect. Their research helps to ensure animal health and food safety, while newly developed therapies benefit humans and animals alike. This strategy is called "One Health".

Successful in Science and Research

Numerous major research projects, including Christian Doppler Laboratories, Special Research Programmes (SFBs) funded by the Austrian Science Fund (FWF), European Research Council (ERC) grants and many more attest to the successful scientific activities of Vetmeduni.

VetWoman

The VEmpowerment Initiative was introduced at Vetmeduni to promote the development of talented young women in science. At its core lies the VetWoman programme for the advancement of female high potentials. The 18-month VetWoman programme includes various activities and offerings such as 360° feedback, regular individual and group coaching events, leadership skills workshops, networking and exchange with experts, strategic career planning as well as training seminars regarding academic appointment procedures.



Research focus

Endocrinology and reproduction

Nutritional physiology

Infectious diseases (fish, poultry, swine) (including emerging diseases, zoonoses, innovative diagnostics, immunoprophylaxis)

Food microbiology and risk analysis of animal-based food products

Population genomics

Comparative and translational medicine

Ethology and behavioural ecology (including cognition and animal welfare)

Wildlife ecology and wildlife medicine

Veterinary ethics and animal welfare



792

ACADEMIC STAFF
TOTAL



1,183

SCIENTIFIC
PUBLICATIONS

ACADEMIC STAFF
2021



PROFESSORS 2021



Round-the-clock animal care

Animal patients can receive round-the-clock care at the university clinics. The university clinics serve as both a teaching hospital for university students and a referral clinic for veterinary practitioners. The doors of the university clinics are also open to animal owners for veterinary services and procedures that their pets may require. Clinically and scientifically challenging cases often yield important scientific insights, which ultimately benefit the welfare of the animal patients. The new building for the Small Animal Clinic, which opened in 2022, introduces completely new standards as well as state-of-the-art clinic operations to ensure that patients continue to receive the best possible care in the future as well.

High-tech medicine

The university clinics offer a broad and highly specialised range of treatments, prevention options and diagnostic methods to help deliver innovative, research-based medical care to their animal patients. Internationally recognised veterinary specialists (Veterinary Diplomates) carry out all medical treatments in line with the latest scientific findings.

The university clinics have access to state-of-the-art equipment, including high-tech diagnostic imaging systems such as an extremely fast and precise computer tomograph (CT) or a magnetic resonance imaging (MRI) scanner to detect pathological changes at an early stage. The clinics' experts also have a modern linear accelerator for radiation therapy at their disposal to help treat tumour patients.

For the diagnosis of metabolic diseases, a scintigraph is available to look at the metabolic activities in the bodies of the animal patients.

Diagnostics for the university and its partners

The Vetmeduni's comprehensive array of diagnostic examinations is also available for use by research and business partners as well as veterinary practitioners. Essential parts of the routine diagnostic examinations are certified to ISO 9001.



THE UNIVERSITY CLINICS



UNIVERSITY CLINIC FOR POULTRY AND FISH MEDICINE



EQUINE UNIVERSITY CLINIC



UNIVERSITY CLINIC FOR SWINE



UNIVERSITY CLINIC FOR SMALL ANIMALS



UNIVERSITY CLINIC FOR RUMINANTS

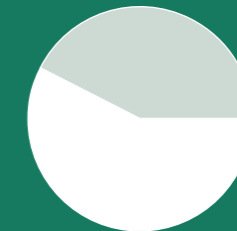
PATIENT VISITS 2021

2021 TOTAL
47,680



- horses, donkeys 4,726
- farm animals 1,317
- small animals 41,637

TYPE OF CARE GIVEN TO ANIMAL PATIENTS



- inpatients 19,786
- outpatients 27,894

Figures exclude poultry and visits for the purpose of herd health management (livestock)

The University Clinic for Poultry and Fish managed a total of 28,275 patients and samples in 2021.

Laying the foundations

The Department of Biomedical Sciences unites a variety of different basic subjects. One focus is the analysis of various signalling pathways in cells in order to better understand the relationship between the immune system, infectious diseases, inflammation and cancer.

Molecular endocrinology studies the molecular processes of hormones in healthy and diseased organisms. Population genetics, reproductive biotechnology and transgenics investigate the distribution and function of genes and genomes in different organisms.

Overall, the department contributes significantly to the development of translational and comparative medicine. Research findings are incorporated both in the advancement of veterinary medicine as well as in the improvement of human medicine. The department's interdisciplinary approach and methodological expertise enable the efficient investigation of research questions while creating ideal conditions for the training and further education of students and scientists.

Institutes and platforms

- Institute of Computational Medicine
- Institute for In-vivo and In-vitro Models
- Institute of Medical Biochemistry
- Institute of Pharmacology and Toxicology
- Institute of Physiology, Pathophysiology and Biophysics
- Institute of Population Genetics
- Institute of Animal Breeding and Genetics
- Bioinformatics and Biostatistics Platform
- Biomodels Austria Platform



Understanding diseases

The Department of Pathobiology works at the intersection between sick and healthy, with researchers studying both the development and the progression of infectious and non-infectious diseases.

The focus of the research is on pathogens such as viruses, bacteria and parasites as well as the host's immune responses and changes in the tissue caused by infection. A key area of interest is the interaction between the host and the pathogen.

Research comprises macro- and microscopic morphological, immunological, biochemical and molecular methods. The department combines disciplines from both basic and applied research and provides services to clinics as well as veterinary practitioners.

The findings obtained from research provide novel, more efficient methods for diagnostics and follow-up monitoring, enabling the development and evaluation of new therapeutic strategies.

Institutes and platforms

- Institute of Morphology
- Institute of Microbiology
- Institute of Immunology
- Institute of Parasitology
- Institute of Pathology
- Institute of Virology
- Clinical Pathology Platform



Healthy animals for safe food

The Department for Farm Animals and Veterinary Public Health makes important contributions to animal health, to the welfare of farm animal populations and to general public health, especially with regard to food safety.

Food safety and the quality of food of animal origin are analysed along the entire production chain (“from stable to table”), which includes primary production on farms as well as slaughtering and meat processing.

All university clinics and institutes associated with the department teach and conduct research in the field of farm animal medicine using state-of-the-art approaches in prevention, diagnostics and therapy as well as in livestock management. Animal welfare and animal protection are of special importance in the department’s work.

The objective at all times is the improvement of animal health in order to obtain safe food of the highest quality.

Institutes and university clinics

- Institute of Food Safety, Food Technology and Veterinary Public Health
- Institute of Animal Nutrition and Functional Plant Compounds
- Institute of Animal Welfare Science
- University Clinic for Poultry and Fish Medicine
- University Clinic for Swine
- University Clinic for Ruminants



Serving patients

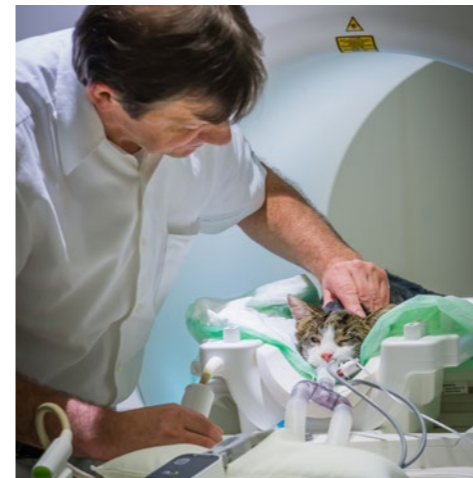
The Department for Companion Animals and Horses provides comprehensive yet specialised medical care comprising prevention, diagnostics and treatment, with university clinics that deliver emergency care 24 hours a day, 7 days a week. By clustering previously separate departments in one central building, the new University Clinic for Small Animals can now offer even more efficient, interdisciplinary operations to ensure quality, state-of-the-art for small animal patients.

Sick and injured animals (small animals and horses) are treated on an outpatient, inpatient and intensive care basis by so-called Veterinary Diplomates. These internationally recognised specialists, trained to European standards in their respective fields, work together with their teams to ensure the welfare of their patients. They also conduct research to ensure that patients are cared for in accordance with the latest scientific findings.

The department’s university clinics, like all clinics at Vetmeduni, provide an important platform for the training of future veterinarians and veterinary nurses. The close integration of medical care and research is one of the building blocks for the research-oriented teaching at the University of Veterinary Medicine Vienna.

University clinics and platforms

- University Clinic for Small Animals
- Equine University Clinic
- Insemination and Embryo Transfer Platform
- Radiooncology and Nuclear Medicine Platform



Interdisciplinary research

The Department of Interdisciplinary Life Sciences is composed of the Research Institute of Wildlife Ecology, the Konrad Lorenz Institute of Ethology and the Messerli Research Institute.

The aim of the Department of Interdisciplinary Life Sciences is to promote excellence in scientific research, offer high-quality research-led teaching and provide top-quality academic services. The research of the associated institutes focuses on the behaviour and needs of animals and their interaction with humans and the environment.

The main focus of the Research Institute of Wildlife Ecology (FIWI) is to research the behaviour and needs of wild animals in ecological contexts, thereby creating the scientific basis for efforts to protect nature, wildlife and the environment and for the sustainable use of multifunctional landscapes.

The research focus of the Konrad Lorenz Institute of Ethology (KLIVV) is on behavioural ecology and especially sexual selection. Several animal species serve as model organisms, in particular mammals,

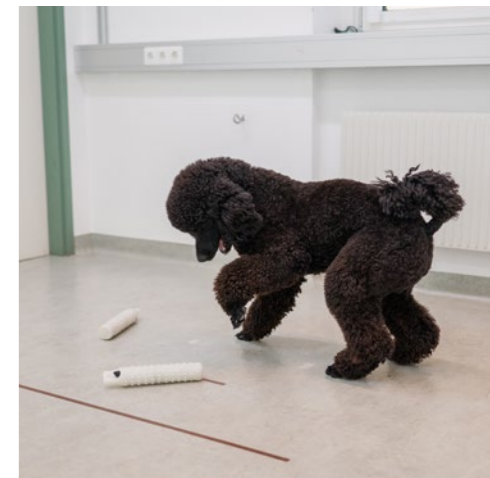
birds and fish. In addition to classic observation, the studies also focus on questions regarding the adaptive value of certain behaviours and the underlying physiological mechanisms.

The institute's Ornithology section operates the Austrian Ornithological Centre with its field station in Seebarn am Wagram. The Wolf Science Center (WSC) at Wildpark Ernstbrunn, which has been part of Vetmeduni since 2017, also forms part of the Konrad Lorenz Institute. Here scientists research the similarities and differences between wolves and dogs as well as their social interaction with humans.

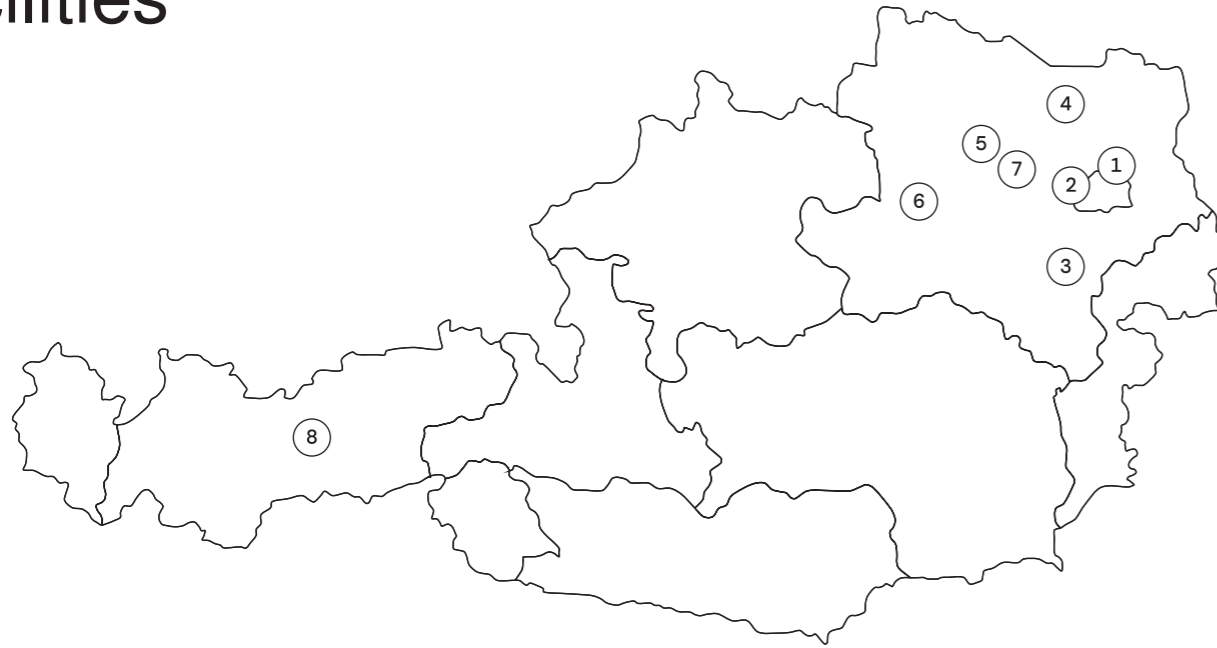
The Messerli Research Institute is dedicated to the interdisciplinary research of the human-animal relationship and its foundations in the fields of animal cognition and behaviour, comparative medicine and ethics. The institute, which is operated jointly with the University of Vienna and MedUni Vienna, stands out for its broad interdisciplinary approach (biology, human medicine, veterinary medicine, philosophy, psychology, law) as well as its strong international orientation.

Institutes

- Research Institute of Wildlife Ecology
- Konrad Lorenz Institute of Ethology
- Messerli Research Institute



Facilities



①

Vetmeduni Vienna Campus,
Floridsdorf, Vienna

②

Research Institute of Wildlife Ecology/
Konrad Lorenz Institute of Ethology,
Ottakring, Vienna

③

VetFarm
Kremesberg estate, Pottenstein,
Lower Austria
• Rehgras estate, Furth/Triesting,
Lower Austria
• Haidlhof estate, Bad Vöslau,
Lower Austria
• Medau estate, Berndorf,
Lower Austria

④

Wolf Science Center (WSC),
Ernstbrunn, Lower Austria

⑤

Satellite of the Austrian Ornithological
Centre (AOC), Seebarn/Grafenwörth,
Lower Austria

⑥

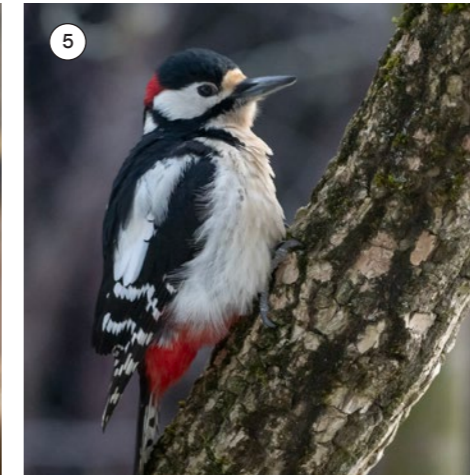
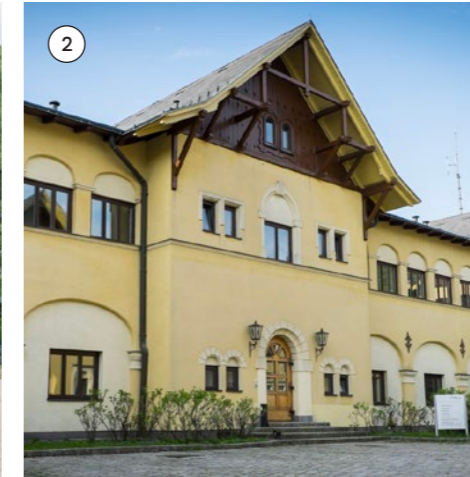
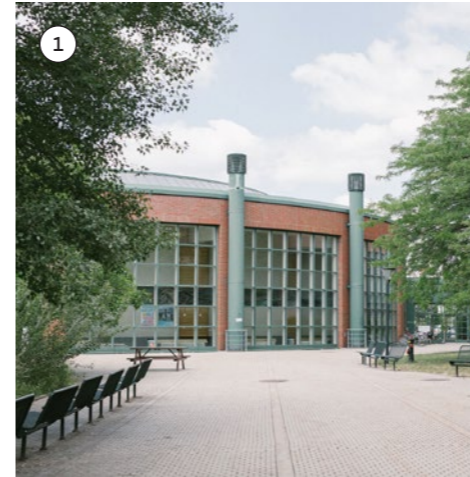
Reproduction Center Wieselburg,
Wieselburg, Lower Austria

⑦

Interuniversity Department for
Agrobiotechnology, IFA Tulln,
together with the University of Natural
Resources and Life Sciences, Vienna
and the Vienna University of Technology

⑧

Satellite Office: Ruminants in the
Alpine Region, Innsbruck, Tyrol



Contact and directions

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Arrival by public transportation:

From the U1 Kagraner Platz station, take Tram 26 Strebersdorf to Josef-Baumann-Gasse. From the U6 Floridsdorf station, take Tram 25 Aspern or Tram 26 Hausfeldstraße to Josef-Baumann-Gasse. From there, it is about 200 metres to the main entrance.

From the U1 Kagran station, take Bus 27A to Veterinärmedizinische Universität or take Tram 25 Floridsdorf to Josef-Baumann-Gasse.

Arrival by car:

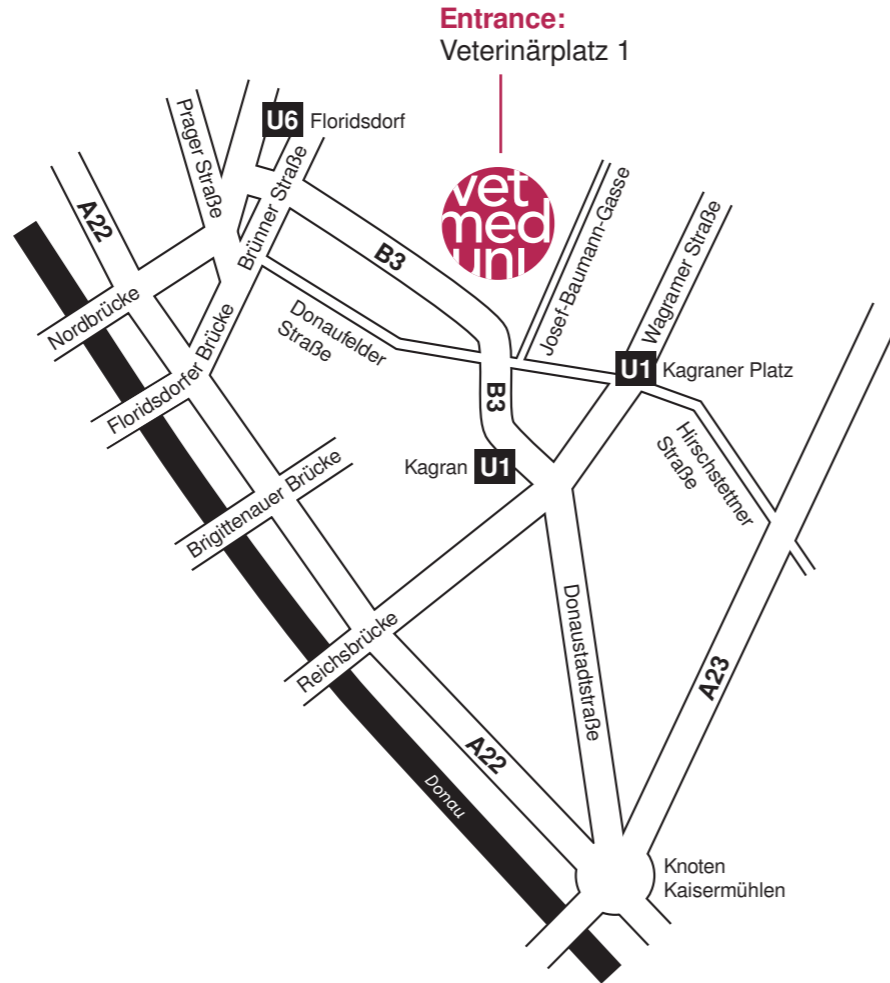
If arriving by car, please note that short-term parking applies throughout the city unless in possession of a resident parking permit.



For parking on the university campus, the following fees apply for patient owners and visitors at the correspondingly marked parking spaces. The fee must be paid at the parking machine:



- The first hour is free of charge.
- 30 minutes cost €1.10.
- 60 minutes cost €2.20.

Parking on the street remains free of charge at the following times:

- Public holidays
- Monday to Thursday from 10:00 p.m. until 6:00 a.m.
- Friday 10:00 p.m. to Monday 6:00 a.m.



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Organization

Governing Bodies of the University



Research and Teaching



Holdings

VetWIDI
Forschungsholding GmbH

Interuniversity Institutions

Department for Agrobiotechnology IFA Tulln

Interinstitutional Establishments

Graf Lehndorff Institute for Equine Science



STAFF

1,467



STUDENTS

2,502

Total (degree and non-degree students)



ANIMAL PATIENTS

47,680

Total (figures do not include poultry and visits for the purpose of herd health management)

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