Excellence in teaching and advanced training

Students in the **Diploma Programme in Veterinary Medicine at the University of Veterinary Medicine,** Vienna cover theory in lectures and take part in practical exercises at the Clinical Unit of Poultry Medicine. Farm visits teach the prospective veterinarians how to deal with a poultry flock and the principles behind the approach of flock management. In the pig and poultry medicine extension module, which is conducted together with the Clinic for Swine at Vetmeduni Vienna, students are given the opportunity to extend and expand their basic knowledge. Diploma theses provide an opportunity to research minor scientific issues in the area of poultry diseases. Extensive scientific studies that form part of larger research projects are conducted as postgraduate doctoral studies, e.g. residency within the European College of Poultry Veterinary Science (ECPVS) or PhD.

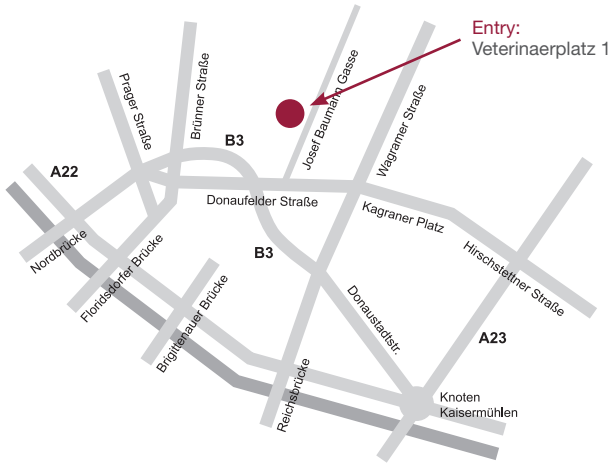
Residency training in the European College of Poultry Veterinary Science (ECPVS) provides a link between research and practical training to become a Diplomate of the ECPVS.

Contact and address

University of Veterinary Medicine Vienna (Vetmeduni Vienna)
Poultry Medicine
University Clinic for
Poultry and Fish Medicine
Veterinaerplatz 1, 1210 Vienna
T +43 1 25077-5151
gefluegelmedizin@vetmeduni.ac.at
www.vetmeduni.ac.at/gefluegel

For emergencies (24 hours): +43 1 25077-5555

For us to be able to prepare everything needed for the arrival of carcasses or samples, we request a short telephone call in due time before admission.



From the west – Salzburg, Linz, St Pölten: A1 to the Steinhäusl junction; A21 towards Vienna South/Graz to the Vösendorf junction; A2 and A23 towards Gänserndorf to the Hirschstetten exit; see map for remainder of the route.

From the south – Villach, Klagenfurt, Graz: A2 and A23 towards Gänserndorf to the Hirschstetten exit; see map for the remainder of the route.

From the north/northwest – Tulln, Stockerau: A22, Floridsdorfer Brücke exit, see map for the remainder of the route.

From the east – Schwechat, Hainburg: A4, then A23 towards Gänserndorf to the Hirschstetten exit; see map for the remainder of the route.

Poultry Medicine

Information for veterinarians, flock owners and students

vetmeduni vienna

Clinical Unit of Poultry Medicine

The University Clinic for Poultry and Fish Medicine is a specialised university clinic at the University of Veterinary Medicine, Vienna (Vetmeduni Vienna) which provides a wide range of services. To accommodate the increasing specialisation within the university clinic it is divided into two clinical units that are at your service 365 days a year:

- **Fish Medicine**
- **Poultry Medicine**

The main tasks of the **Clinical Unit of Poultry Medicine** are scientific research and teaching, including the supplementary subjects, as well as diagnostic laboratory tests and consulting services for all questions regarding poultry diseases. This includes all types of poultry, particularly chickens, turkeys and waterfowl.

Contact Poultry Medicine
Director: Professor Michael Hess
T +43 1 25077-5151
gefluegelmedizin@vetmeduni.ac.at
www.vetmeduni.ac.at/gefluegel

Diagnostic laboratory services

The Poultry Medicine Unit's own **EN ISO/IEC 17025 accredited laboratory** at the Vetmeduni Vienna provides post-mortem examinations and a wide range of comprehensive parasitological, virological, bacteriological, histological and serological testing for both veterinarians and flock owners. The specific diagnostic options available include:

- Pathological and anatomical examinations of poultry carcasses including taking samples for further testing
- Isolation and verification of various viruses in appropriate culture systems
- Wide range of PCR methods: conventional or quantitative PCR to verify the presence of various pathogens
- Serological investigations for antibody detection using agar-gel precipitation, rapid serum agglutination and ELISA
- Verification and identification of parasites in poultry as well as quantification of protozoa in faeces using standard methods
- Bacteriological testing of organ and environmental samples (e.g., water and air)
- Determination of antibiotic resistance profiles
- Characterisation of bacteria using MALDI-TOF mass spectrometry
- Salmonella diagnostics for commercial poultry including feedstuffs in accordance with ISO standards
- Examination of organ samples using various histological techniques (immunofluorescence, in-situ hybridisation)
- Storage and preservation of bacteria and viruses for further characterisation or to form the basis for external production of autogenous vaccines

Research in the area of poultry medicine

Research in the area of poultry medicine is concerned predominantly with **infectious diseases** that occur in different poultry species. Developing and applying **new diagnostic methods** forms a central part of the research. Epidemiological studies are used to develop new methods and early warning systems to combat diseases. The overall aim is to improve animal health and well-being based on basic and applied research. At the same time strategies are developed to optimise the **quality of poultry products** right from the production level. For handling specific questions the clinical unit possesses its own molecular biology laboratory which provides a wide range of **innovative methods** to be used in the relevant research projects.

This spectrum is supplemented by the option of keeping specified pathogen-free (SPF) animals under isolation conditions. The connection between the laboratory and animal facility areas forms the basis for developing in vitro and in vivo models for studying the pathogenesis of individual diseases in detail. Furthermore, the Clinical Unit of Poultry Medicine is committed to reduce the number of laboratory animals.

Christian Doppler Laboratory for Innovative Poultry Vaccines