Faculty of Veterinary Medicine
Warsaw University of Life Sciences – SGGW (WULS-SGGW)
Warsaw University of Life Sciences – SGGW (WULS-SGGW) is the oldest agricultural academic school in Poland. Its history dates back to 1816. At present, the University consists of 13 faculties, there are 27’000 students enrolled. Students have a choice between 32 disciplines and 130 specialties. The new campus of Warsaw University of Life Sciences-SGGW is located in Ursynów. The governing offices of the University are situated in the historical palace of Julian Ursyn Niemcewicz. Campus is made up of different faculty buildings, student dormitories, supporting facilities such as Sport Centre (sport halls, swimming pool), University Hotel, Main Library and the Crystal Auditorium, where most celebrated academic events take place.

More info on the webpage: www.sggw.pl
I invite you to make acquaintance with this information folder and to visit our Faculty. I would also like to take this opportunity to invite you to scientific cooperation in accordance with the maxim “Pro Hominum Animaliumque Salute”

Dean of the Faculty of Veterinary Medicine

Dean
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Until the first veterinary school was organized in Lyon (1762), in most European countries veterinary subjects were lectured at the medical schools. Thus, the students of medicine received some background in animal anatomy, physiology, surgery and diseases, and afterwards in their medical practice could treat both humans and domestic animals. Veterinary universities appeared in the late 18th century, in marriage with human medicine – with common lecturers and laboratories, in particular for teaching pre-clinical subjects like anatomy, physiology and pharmacology. In Poland, first training and education in the veterinary profession started in 1824, when the first veterinary school was opened in Buraków near Warsaw. It was a part of the Institute of Agronomy in Marymont. The Faculty of Veterinary Medicine was established in 1927 and since that time it provides education, research, veterinary services and many other activities. Since 2007 full teaching curriculum in English was introduced.
THE FACULTY OF VETERINARY MEDICINE
AT PRESENT:

- Positively evaluated by Polish Accreditation Commission (PAKA, 2008)
- Academic/teaching staff: 137
- Technical staff: 80
- Average entry: 200 students (enrolment: 1100), from 2007 veterinary course in English for foreign students (average entry 50–68 (enrolment: 210)

Education: Veterinary Medicine.
The course extends to five and half years, graduates are awarded the EU scheduled qualification “Diplom Lekarza Weterynarii”/“Diploma of Veterinary Surgeon”
- EU programs: SOCRATES, ERASMUS – IP
- PhD students: 70
- Postgraduate students: 200
- Number of the books in Faculty Library: > 5300
- Area of research and education facilities: 15 816 m²
Address:
Faculty of Veterinary Medicine
Warsaw University of Life Sciences
Nowoursynowska 159, 02-776 Warsaw, Poland

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webpages:
studies in Polish: http://wmw.sggw.pl
studies in English: http://wmw.sggw.pl/en/category/study-offering/application-information

MAJOR RESEARCH AREAS:
- Morphology and embryology of domestic and wild animals (with special focus on Bison bonasus)
- Regulation of animal growth and development
- Mechanism of cell growth and differentiation (with the special focus on the mechanisms of regulation cell death and proliferation)
- Mechanism of viral, bacterial, fungal and parasitic diseases in animals (with the special focus on the regulation of immune response)
- Laboratory methods and imaging in diagnostics of non-infectious diseases
- Pathology and morphology of neoplasms
- Epidemiology of infectious diseases
- Development and validation of alternative experimental techniques/models
- The effect of environmental pollution on animal health
- Biotechnology in animal breeding
- Reproductive disorders and mammary gland diseases
- Biomaterials in animal surgery
- Safety and hygiene of food of animal origin
- Public health protection measures

STRUCTURE:
- Department of Morphological Sciences
- Department of Physiological Sciences
- Department of Preclinical Sciences
- Department of Small Animal Diseases with Clinic
- Department of Large Animal Diseases with Clinic
- Department of Clinical and Laboratory Diagnostics
- Department of Food Hygiene and Public Health Protection
- Laboratory of Veterinary Epidemiology and Economics

Grants from the National Committee for Scientific research: 42 (2013)
EU grants: 2 (2013)
Contracts with foreign partners: 22 (2013)
INTERNATIONAL COLLABORATION:

- Hebrew University of Jerusalem, School of Pharmacy, Jerusalem, Israel
- INRA, Saint Gilles, France
- Institute for Molecular Sciences, Kuopio, Finland
- Institute of Animal Health, Compton, Great Britain
- Justus-Liebig University, Giessen, Germany
- LITI, Tengeru, Tanzania
- Lund University, Lund, Sweden
- Macquarie University, Sydney, Australia
- Michigan State University, East Lansing, USA
- Microbiology and Tumor-biology Center, Karolinska Institutet, Stockholm, Sweden
- National University of Veterinary Medicine, Alfort, France
- Rakuno Gakuen University, Ebetsu, Japan
- School of Veterinary Medicine, Hannover, Germany
- State Academy of Veterinary Medicine, Lviv, Ukraine
- University of Barcelona, Barcelona, Spain
- University of Copenhagen, Copenhagen, Denmark
- University of Ireland, Dublin, Ireland
- University of Milan, Milan, Italy
- University of München, München, Germany
- University of Shizuoka, Shizuoka, Japan
- University of Tennessee, Knoxville, USA
- Uppsala University, Uppsala, Sweden
- Utrecht University, Utrecht, Netherlands
- Wageningen University, Wageningen, The Netherlands
- Xinjiang Agricultural University, Urumqi, China
- Yale University, New Haven, USA
Department of Morphological Sciences

Address:
159 Nowoursynowska
02-776 Warsaw
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e-mail: knm@sggw.pl

HEAD OF THE DEPARTMENT:
Professor Marta Kupczyńska, Ph. D.

STRUCTURE OF DEPARTMENT:
- Division of Comparative and Clinical Anatomy
- Division of Histology and Embryology

EDUCATION:
animal anatomy, topographical anatomy, histology and embryology, biology, cell biology, general and veterinary genetics.

RESEARCH:
- Cytogenetics and structural development of the animal reproductive system
- Morphology of domestic and wild animals with respect to clinical aspects
- Vascularisation during foetal development
- Morphological changes in cattle since Roman Era to late Middle Ages

Department maintains unique Museum of Bison and Osteological Museum
Department of Physiological Sciences

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HEAD OF THE DEPARTMENT:
Professor Tomasz Motyl, Ph. D.

STRUCTURE OF DEPARTMENT:
- Division of Biochemistry
- Division of Physiology
- Division of Dietetics

EDUCATION:
chemistry, biochemistry, biophysics, animal physiology, veterinary dietetics, regulation of cell proliferation, differentiation and death, neonatology, human animal relationship

PhD studies: “Biological basics of animal growth and maintenance of their health” for veterinarians, biologists and biotechnologists

MAJOR LABORATORY EQUIPMENT:
SCAN^R scanning cytometer with CELL^R, confocal microscope with homeostatic chamber, CELL^P and microimage analysis systems, flow cytometer with cell sorter, cell culture laboratories equipped with electrophoresis systems, gas chromatograph, electrochemical detector and HPLC, spectral analysis systems, DNA-RNA-protein bioanlyser, real-time PCR, microarray system for mRNA and miRNA, MacLab A/D data recording and telemetry systems for in vivo studies

RESEARCH:
- Stem cells in tissue growth and development
- Transcriptome in animal production and veterinary oncology
- Molecular mechanisms of apoptosis and autophagy in mammary gland
- Nutrigenomics
- Bioactive dietary factors and their effect on metabolism and health
- Physiology of neonate
- Regulation of growth and development of skeletal muscles and gastrointestinal tract
- Regulation of motility and secretory activity of the digestive tract
- Non-heavy metal quantum dots as potential markers for bio-medical research and for therapy

At present over 20 individual scientific projects financed by the National Science Centre are conducted at the Department

Department offers services in transcriptomic profiling of animals.
Department of Preclinical Science

HEAD OF THE DEPARTMENT:
Professor Marcin Bańbura, Ph.D.

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8 Ciszewskiego
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e-mail: knp@sggw.pl

STRUCTURE OF DEPARTMENT:
- Division of Pharmacology and Toxicology
- Division of Pathophysiology
- Division of Parasitology and Invasiology
- Division of Microbiology
- Division of Immunology

EDUCATION:
general microbiology, veterinary microbiology, clinical microbiology, virology, veterinary virology, general immunology, clinical immunology, toxicology and environmental protection, cell and tissue culture, pharmacology, veterinary pharmacy, veterinary parasitology, pathophysiology, biology and fish diseases, molecular biology, biotechnology in disease prevention, diagnostics of infectious and parasitic diseases

PhD studies: “Xenobiotics and biology of infectious and invasive agents” for veterinarians, biologists and biotechnologists

RESEARCH:
- Pathogenesis of infectious and parasitic diseases, improvement of their diagnosis and treatment
- Immune response of the host during viral (Mousepox virus, Equine Herpesvirus), bacterial (Salmonellosis, Campylobacteriosis, Swine Dysentery), fungal (Dermatophytosis, Yeast infections) and parasitic (Acylostomatosis, Fasciolosis) diseases
- Development of anti-parasitic vaccines
- The influence of physical exercise on equine immune system markers
- Environmental pollution as a risk factor for animal health
- Development and validation of alternative methods to the in-vivo xenobiotic studies

Currently 14 research projects (financed by Ministry of Science and Higher Education, Foundation for Polish Science and Marie Curie Intra-European Fellowship) are conducted.
Department of Pathology and Veterinary Diagnostics

**Postgraduate studies:** “Veterinary Laboratory Diagnostic”, “Avian medicine”

**PhD Studies:** “Veterinary Clinical Sciences” for veterinarians.

**RESEARCH:**
- Implementation of new diagnostic methods for detection of non-infectious and infectious diseases in animals
- Infectious diseases in wild animals
- Echocardiographic evaluation of myocardial function
- Canine oncology
- Aetiology and pathomorphology of selected porcine and canine diseases
- Epidemiology and diagnostics of the infectious diseases of honey bee
- Assessment of the immune system of different animal species in the course of immunomodulation, exercise and during therapy

The Department presently has 6 scientific projects financed by the Ministry of Science and Higher Education.

**MAJOR LABORATORY EQUIPMENT:**
FACS Canto II and FACS Calibur Flow cytometers with an immune-phenotyping cell sorter, scintillation counter for alpha and beta radiation, Real Time PCR, specialized ultrasounds including an echocardiography system, haematological and biochemical analysers

Services in the field of animal disease prophylactics, clinical and laboratory diagnostics and therapy are provided.

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**ADDRESS:**
159c Nowoursynowska
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**HEAD OF THE DEPARTMENT:**
Professor Piotr Szeleszczuk, Ph. D.

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**STRUCTURE OF DEPARTMENT:**
- Division of Animal Pathophysiology
- Division of Animal Pathomorphology
- Division of Avian Diseases
- Division of Laboratory and Clinical Diagnostics
- Division of Pathology of Exotic, Laboratory and Non-domesticated Animals and Fish
- Laboratory of Bee Diseases

**EDUCATION:**
clinical diagnostics, laboratory diagnostics, pathomorphology, pathophysiology, exotic animal diseases, avian diseases, bee diseases, diseases of laboratory animals
Department of Small Animal Diseases with Clinic

Address:
159C Nowoursynowska
02-776 Warsaw
phone/fax: +48 22 59 36 100/101
fax: +48 22 59 36 196
e-mail: kcmzk@sggw.pl

HEAD OF THE DEPARTMENT:
Professor Roman Lechowski, Ph. D.

STRUCTURE OF DEPARTMENT:
- Division of Small Animal Internal Diseases
- Division of Small Animal Surgery and Anaesthesiology
- Division of Small Animal Infectious Diseases
- Laboratory of Small Animal Reproduction
- Laboratory of Imaging Diagnostics

EDUCATION:
reproduction, internal medicine, infectious diseases and surgery of small animals, clinical practice

RESEARCH:
- Pathogenesis of endometritis pyometra complex and possible therapies for dysfunctions of reproductive organs in bitches and queens
- Methods of contraception, their side effects and influence on endocrine glands
- Applicability of antiprogestin treatment in the prevention and therapy of reproductive disorders and birth control in bitches and queens.
- Use of nanotechnology in veterinary oncology
- Assessment of the metaloproteinases (MMP-2, MMP-9) activity in neoplasms in cats
- Assessment of health of Scottish Terriers population in Poland
Correlation between clinical and radiological assessment of cats
Endoscopic examination of lower urinary tract in male dogs with prostate diseases
Assessment of sphincter muscles reposition in the reconstruction of dog’s anus sphincter
Research and case studies of shape changes in pelvic bones and development of hip joint dysplasia
CT case studies in the evaluation of acetabulum’s edge dorsal gradient

MAJOR LABORATORY EQUIPMENT:
- system for laparoscopic surgery, X-ray, CT, ultrasound, incl. colour Doppler USG, electrolyte and blood gas analyser, oxygen concentrator, gastroscope, colonoscope, video-otoscope
- Small Animal Clinic is open for public 24/7
Department of Large Animal Diseases with Clinic

Address:
100 Nowoursynowska
02-776 Warsaw
phone/fax: +48 22 59 361 91
e-mail: kcdzk@sggw.pl

HEAD OF THE DEPARTMENT:
Professor Zdzisław Gajewski, Ph. D.

STRUCTURE OF DEPARTMENT:
- Division of Animal Reproduction, Andrology and Biotechnology
- Division of Internal Diseases
- Division of Surgery
- Division of Infectious Diseases

EDUCATION:
reproduction and reproduction disorders of farm animals and horses, andrology and artificial insemination, biotechnology techniques in reproduction, internal diseases of horses and farm animals, infectious diseases of farm animals, fur animals and horses, veterinary epidemiology, management of the clinic, clinical practice, veterinary prevention, wild and exotic animal diseases
RESEARCH:
- Use of PGF-2α with oxytocin for the induction of parturition in mares
- Influence of neurohormonal factors on induction and development of inflammation in cat mammary gland
- Biotechnology of gametes and embryos in assisted reproduction, integrity of sperm DNA
- Motile sperm organelle morphology examination (MSOME) in animals
- Qualitative and quantitative assessments of interstitial Cajal-like cells (ICLC) in uterus and oviduct
- Anaesthesia in animal reproduction
- Application of telemetric methods in animal
- Disorders in thyrotropin-releasing hormone, according to reproduction functions in mammals
- Preliminary serologic research of *Yersinia enterocolitica* infections in bovine herds
- Research on occurrence of *Lawsonia intracellularis* atypical infections in the swine herds in Poland
- Pig herd health management

FACILITIES AND LABORATORY EQUIPMENT:
two surgery rooms for horses, anaesthetic facility for livestock and horses, radiology laboratory with portable and stationary RTG, ultrasound/arthroscopy, endoscopy, ECG. Biotechnology workstation, obstetric and gynaecological ambulatory room for livestock and horses, telemetry laboratory, haematology and biochemistry laboratory, fully-equipped horse hospital with isolation wards for horses and livestock, treadmill for endoscopic evaluation of airways and rehabilitation in horses, recovery rooms and intensive care stalls for post-surgery care, blacksmith workstation

Horse Clinic is open for public 24/7
Veterinary Research Centre

Address:
100 Nowoursynowska
02-776 Warsaw
e-mail: wcb@sggw.pl

Newly organized centre for innovative research and education in the fields of veterinary, medicine, biology and biotechnology under auspices of the Department of Large Animal Diseases with Clinic.

RESEARCH PROJECTS:
- Biomedical applications of fluorescent nanocrystals
- Physiology of the neonate
- EMG of the oviduct

LABORATORIES:
- Biotechnology Facility
- Nanotechnology and Nanoengineering Facility with Confocal Microscopy Laboratory, Clean-Room and Laboratory of Trace Element Analyses
- Facility of Mini-invasive Surgery, Imaging Diagnostics and Telemetry with state-of-the-art Surgery Complex, Laboratory of Telemetry, Laboratory of Ex-vivo Analyses, Artificial Sow System for Neonate Research and Histochemical Preparation Laboratory

SCIENTIFIC COLLABORATION:
- Institute of Physics PAS
- Institute of Biochemistry and Biophysics PAS
- Institute of Animal Reproduction and Food Research PAS
- Warsaw Medical University
- Medical Center of Postgraduate Studies

Collaboration with Institute of Physics PAS in the research oriented towards new nanotechnology applications for medicine, bioimaging and animal husbandry was recognized with awards for innovative technology on 2012 (distinctions) and 2013 (Grand Prix) Technicon Innovations Fairs.
EDUCATION:
biostatistics and methods of documentation, veterinary epidemiology, veterinary economics, goat diseases, management of veterinary clinic

RESEARCH:
- Epidemiology of selected infectious diseases of goats in Poland
- Epidemiology of equine recurrent uveitis in horses in Poland

MAJOR LABORATORY EQUIPMENT:
ELISA and electrophoresis systems, PCR, bio-statistical and epidemiological data analysis software

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HEAD OF THE DEPARTMENT:
Jarosław Kaba, Ph. D.
EDUCATION:
meat hygiene, food hygiene and technology, milk hygiene, veterinary jurisprudence, veterinary administration, response to public health related disasters, diseases of game animals, history of veterinary medicine and deontology, hygiene of feedstuffs.

Postgraduate studies in “Protection of Public Health”, “Hygiene of Food of Animal Origin” and “Diseases of Wild Animals”.

RESEARCH:
Safety of food of animal origin.
Influence of selected factors on the hygienic quality of food.
Regulation of bovine mammary gland physiology and milk production on gene expression level.
Milk fat chemical profile and lipogenesis.
Recognition of the Mycobacterium tuberculosis complex reservoirs among free-living carnivores and rodents in the Bieszczady region.

MAJOR LABORATORY EQUIPMENT:
gamma ray source
Since 2007 Warsaw University of Life Sciences-SGGW in Poland opened Veterinary Medicine Program for International Students

**Professor Romuald Zabielski, Ph. D.**
Vice-Dean for International Studies

**THIS PROGRAM IS TAUGHT EXCLUSIVELY IN ENGLISH**
From start to finish, SGGW gives graduates the necessary experience to enter the veterinary profession with confidence. Graduates are awarded the EU scheduled qualification “Diploma of Veterinary Surgeon”. According to EU regulations, it enables graduates to practice legally in the European Community member countries. Studies are accredited by the State Accreditation Committee (full member of European Association for Quality Assurance in Higher Education), the only statutory body entrusted with the responsibility of evaluating the quality of higher education.

The VS degree program at SGGW mirrors the course taught in Polish, with a total of 75 obligatory courses and electives held in Warsaw, Poland, over five and a half academic years (11 semesters). The program is rigorous, with students taking roughly 860 hour of classes (60 ECTS) per year. Diploma of Veterinary Surgeon is received after successfully passing all exams and accumulating 330 obligatory ECTS points (the overall minimum number of teaching hours is 5500).

**REQUIREMENTS:**
In order to be considered for admission to the international veterinary degree program at the Faculty of Veterinary Medicine, an applicant must have successfully completed the following: a high school (with certificate), entrance exam on biology and chemistry, submit the online application form and pay all fees by the deadline. START: 1st October each year.

**RECRUITMENT:**
Early admissions: from January 1st to end of May each year
Late admissions: from June 1st to end of August each year

**CONTACT:**
For information concerning international veterinary studies at the Faculty of Veterinary Medicine WULS – SGGW in Warsaw please contact Dean’s Office: e-mail: fvm@sggw.pl
phone/fax: +48 22 59 360 09

Attention! All applications to Faculty of Veterinary Medicine WULS – SGGW in Warsaw from international students are handled through the International Medicine Studies:
www.ims-medstudy.com/_Veterinary_School_5.5yr_Warsaw

Please visit our website: wmm.sggw.pl/en/category/study-offering/
First graduation of international veterinary course, March 2nd 2013
EXPLANATIONS:

1. Computer Centre
2. Centre for Research and Training Management WULS Press
3. Faculty of Economic Sciences
4. Faculty of Social Sciences
5, 6, 7. Faculty of Economic Sciences
8. University Administration:
   - Students Affairs Office, Registration, Science Office,
   - International Relations Office, European Programmes’ Centre
9. “Kryształowa” Hall (Crystal Hall)
10. Students Organizations
11. Financial Department, Cash Desk, Bank
12. Rectorate (Rector, Chancellor)
13. Faculty of Horticulture, Biotechnology and Landscape Architecture
14, 15. University Administration
16. Machines Hall of FWT
17–19, 21. Faculty of Production Engineering (FPE)
20. Machines Hall of FPE
22. Clinic for Small Animals
23. Faculty of Veterinary Medicine,
   - Faculty of Animal Sciences
24. Faculty of Veterinary Medicine
25. Breeding Animals Laboratory
26. Sport Hall
27. Swimming Pool
28. Foreign Language Center and Sport Center
29. Water Treatment Station
30, 31. University Administration
32. Faculty of Food Science (FFS)
   - Faculty of Human Nutrition and Consumer Sciences
33. Faculty of Engineering and Environmental Sciences
34. Faculty of Forestry,
   - Faculty of Wood Technology (FWT)
35–36. Faculty of Horticulture, Biotechnology and Landscape Architecture
37. Faculty of Horticulture, Biotechnology and Landscape Architecture
   - Faculty of Agriculture and Biology
38. “Limba” Dormitory, Ambulatory
39. “IKAR” Hotel
40–47. Dormitories
48. Main Library, Museum and Archive
49. Water Center
50. Stadium (plan phase)
51. Congress Center (plan phase)