

M.Sc. Laboratory Animal Science

The M.Sc. Laboratory Animal Science is a two year, part-time study course. A blended learning concept, incorporating e-learning with attendance blocks, enables participants to receive the highest level of academic and practical training whilst limiting time away from home and work.

The Scientific Directors of the program, **Prof. Dr. med. René H. Tolba** and **PD Dr. phil. nat. Julia Steitz**, are supported by a great number of experts in the field of Laboratory Animal Science.



Apply
until
July 15th

Course Structure

1st SEMESTER	2nd SEMESTER	3rd SEMESTER	4th SEMESTER
Ethics and Philosophy; National and International Law	Regulatory Affairs: OECD, ICH, FELASA, GV-SOLAS; REACH	Regulatory Affairs: Pre-clinical and clinical studies, approval of Medical Products, Pharmaceuticals and Biologicals	Master Thesis
Biostatistics and Biometrics	Design and Evaluation of Animal Experiments	Architecture and Facility Design, Financial, Hygiene and Quality Management	
Genetics and Breeding; Anatomy and Physiology	Replacement, Supplementation and Alternatives to Animal Experiments	Applied Anesthesia and Microsurgery; Medical Technology and Imaging	In vivo Pharmacology; Applied Toxicology
Pathology and Diseases	Biochemistry, Hematology and Molecular Biology in Biomedicine	or	
	Animal Models in Biomedical Research	Anesthesia and Experimental surgery	



Online Seminars

- ▶ Twice a week
- ▶ Outside regular office hours
- ▶ Complemented by literature reviews and homework



Attendance Blocks

- ▶ Ten days (two weekends plus the working week)
- ▶ At the end of each semester
- ▶ Provides practical and clinical skill training under expert supervision
- ▶ Group discussions, case studies and excursions to leading laboratory animal science facilities



Benefits

- ▶ Independently plan, conduct, evaluate and improve animal experiments, generating scientific data to the highest standards using specialist knowledge and the latest methodology.
- ▶ Ensure that the 3Rs and EU directive 2010/63 are central in the planning and design of experiments and that alternatives to animal experiments are considered.
- ▶ Receive an accredited M.Sc. qualification from a leading University for access to a wide range of careers in Biomedicine.
- ▶ Access to a network of internationally renowned specialists.
- ▶ Study a broad range of species, from rodents to non-human primates.

Admission Requirements

- ▶ Legal certification as a scientist, physician, veterinarian or an equivalent qualification
- ▶ Sufficient relevant work experience
- ▶ Proof of English language skills

Application Process – fully digital via RWTHOnline:
<https://online.rwth-aachen.de>

Quickfacts

-  **Master of Science (M.Sc.) + FELASA certificate LAS specialist (including EU functions A, B & D)**
-  **Start: each winter semester**
-  **4 semester (2 years)**
-  **Blended learning concept**
-  **Course language: English**
-  **6,650 € per semester plus RWTH semester fee**

Contact Us:



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