Dr. Auke Boersma

Veterinarian (Dr. med. vet.) · Senior Scientist · Reproductive Biology & Laboratory Animal Science

University of Veterinary Medicine Vienna (Vetmeduni Vienna) — Department Biological Sciences and Pathobiology - Laboratory Animal Medicine & Core Facility VetBioModels
Vienna, Austria · auke.boersma@vetmeduni.ac.at · +43 664 60257 2813

Profile

Veterinarian with over three decades of experience spanning clinical reproductive medicine, experimental genetics, and laboratory animal science. Since 2010, Senior Scientist at the Institute for In Vivo and In Vitro Models, Vetmeduni Vienna, with responsibility for the Austrian EMMA (European Mouse Mutant Archive) node and a strong focus on training of veterinary and biomedical students, postgraduate FELASA courses, and applied research in reproductive biology.

Current Projects

Retrospective CASA/IVF Data Analysis

- Retrospective analysis of computer-assisted sperm analysis (CASA) and in vitro fertilisation (IVF)

Improving the culture conditions of mouse embryos for non-surgical embryo transfer

- Investigation of the various factors that improve embryo quality, implantation rates, and birth rates following non-surgical embryo transfer in mice

Professional Experience

Senior Scientist — *Sep 2010 – present*

University of Veterinary Medicine Vienna (Vetmeduni Vienna) — Laboratory Animal Medicine Unit & Core Facility VetBioModels

- Responsible for the EMMA (European Mouse Mutant Archive) archive operations.
- Teaching and training of veterinary and biomedical students.
- Delivery of postgraduate training, including FELASA EU Function A courses and cryopreservation courses.

Reproduction Laboratory; Export Manager — *2001 – 2010*

Helmholtz Center Munich — Institute of Experimental Genetics

- Professionalised workflows and standard operating procedures within the reproduction laboratory.
- Coordinated the worldwide shipment and export of mutant mouse lines.

Veterinarian, Scientific Assistant — *1994 – 2000*

Clinic of Gynaecology, Andrology & Obstetrics, Faculty of Veterinary Medicine, Ludwig Maximilian University of Munich

- Conducted andrological and gynaecological research in large animals.
- Provided veterinary care for clinic patients, including emergency services.

Doctoral Researcher — *1991 – 1994*

Ludwig Maximilian University of Munich, Faculty of Veterinary Medicine, Institute of Animal Physiology

- Supervised students in animal physiology courses.
- Conducted research in thermophysiology.

Veterinary Project Manager and Journalist — *1990 – 1991*

Medien & Kommunikation, Starnberg

- Coordinated and communicated long-distance equestrian rides and public events as part of a national postal service anniversary programme (Germany, Austria, Belgium).

Education

Board-Certified Specialist in Animal Reproduction *1994 – 2000*

Clinic of Gynaecology, Andrology & Obstetrics, Faculty of Veterinary Medicine, Ludwig Maximilian University of Munich

Dr. med. vet. (Doctorate in Veterinary Medicine) *1991 – 1994*
Ludwig Maximilian University of Munich — Institute of Animal Physiology

Degree in Veterinary Medicine, State Board Licensure *1983 – 1989*
Ludwig Maximilian University of Munich

Abitur (German university entrance qualification) *1974 – 1983*
Max-Planck-Gymnasium, Ludwigshafen am Rhein, Germany

Further Training

- 2011 — Introduction to Laboratory Animal Science (FELASA Category B Course), Institute of Laboratory Animal Science, Vienna.
- 2004 — Course on Cryopreservation of Mouse Germplasm, Monterotondo, Italy.

Skills

Languages
English (fluent, business-proficient) · German (native) · Dutch (proficient) · French (basic) · Spanish (basic)

IT & Software
Microsoft Office (Word, Excel, Access) · PyRAT mouse database administration · Adobe Photoshop · SPSS · S-Plus