We are not accepting applications for the M.S./D.V.M. program at this time.

**Joint Degree Programs**

Students accepted into the Veterinary Medical Scholars Program (https://vetmed.illinois.edu/education/doctor-veterinary-medicine-degree/research-opportunities-dvm-students/veterinary-medical-scholars-program) can complete a D.V.M. and Ph.D. simultaneously.

**Graduate Teaching Experience**

Experience in teaching is considered a vital part of the graduate program and is required as part of the academic work of all M.S. and Ph.D. candidates in this program.

**Faculty Research Interests**

Experimental models range from stem cells to rodent models to domestic animals, wildlife, and human patients. Exciting research is being conducted by CB faculty in the areas of:

- endocrine/reproductive biology and toxicology
- environmental and ecological toxicology
- uterine and placental biology
- aortic mesangial stem cells
- stem cells for assessment of small molecule and nanoparticle pharmacology and toxicology
- nanodisks as platforms for the study of membrane proteins
- mouse and frog models of development
- the impact of environmental and dietary compounds on neurodevelopment and on addictive potential of substances of abuse
- circadian rhythms in animal models of shift work and jet lag
- immunopharmacology and drug allergy
- obesity and diabetes mellitus
- cancer chemotherapy
- the interplay between infectious agents and contaminants with wildlife populations
- comparative drug disposition and pharmacokinetics

Research techniques range from micro-RNA to animal and human patient epidemiology to ecological assessments.

**Training Programs, Centers and Institutes**

Our faculty provide graduate instruction in stem cell research, molecular genetics, pharmacology and toxicology. They also participate in interdisciplinary training programs including the NIEHS-funded Environmental Toxicology Training Program (http://vetmed.illinois.edu/cb/nhtox), the Interdisciplinary Environmental Toxicology Training Program (https://vetmed.illinois.edu/ietp), the Reproductive Biology Program (https://vetmed.illinois.edu/peer), the Neuroscience Program (http://neuroscience.illinois.edu), the Nutritional Sciences Division (http://www.nutrsci.illinois.edu), the Beckman Institute (http://www.beckman.uiuc.edu), the Institute for Genomic Biology (http://www.igb.illinois.edu), the Reproductive Biology Program (http://vetmed.illinois.edu/ietp), the Reproductive Biology Program (https://vetmed.illinois.edu/peer), the Neuroscience Program (http://neuroscience.illinois.edu), the Interdisciplinary Environmental Toxicology Training Program (https://vetmed.illinois.edu/ietp), the Reproductive Biology Program (https://vetmed.illinois.edu/peer), the Neuroscience Program (http://neuroscience.illinois.edu), the Nutritional Sciences Division (http://www.nutrsci.illinois.edu), the Beckman Institute (http://www.beckman.uiuc.edu), and the Institute for Genomic Biology (http://www.igb.illinois.edu). CB faculty also lead the Veterinary Clinical Pharmacology Residency Program (https://vetmed.illinois.edu/college-organization/comparative-biosciences/graduate-study-training-programs), which prepares graduate veterinarians for the certifying examination of the American College of Veterinary Clinical Pharmacology (ACVCP). In addition, together with the Animal Poison Control Center in Urbana, we jointly offer a Veterinary Clinical Toxicology
residency (https://vetmed.illinois.edu/college-organization/comparative-biosciences/graduate-study-training-programs) to prepare veterinarians for board certification by the American Board of Veterinary Toxicology (ABVT) and the American Board of Toxicology (ABT).

**Financial Aid**
A limited number of research and teaching assistantships or associate positions are available.

for the degree of Doctor of Philosophy