

PhD Position with Research/Teaching Assistantship in Frontiers of Ovarian Biology

Cornell University

Ren Laboratory

Overview:

The Ren laboratory (<https://blogs.cornell.edu/renlab/>) is seeking a talented and motivated Ph.D. student to conduct research in ovarian biology, with a focus on the role of immune and vascular function in ovulation and broader ovarian physiology. Genetically modified and physiological mouse models of impaired ovulation will be the primary focus. Approaches used include molecular and cellular methods, powerful imaging technologies, spatial-temporal single-cell omics, as well as *in vitro* cell/tissue culture. The Ren laboratory aims to discover fundamental biological mechanisms with implications for the health of humans and domestic mammalian species. Students will have the opportunity to learn state-of-the-art techniques in physiological, cellular, molecular and biomedical research, and the choice of completing Ph.D. training in the graduate field of either Animal Science or Biomedical Sciences at Cornell University.

This position offers full financial support to cover tuition, medical insurance, and a stipend. This position will be supported by teaching and research assistantship from the Department of Animal Science, Cornell University, and Dr. Ren's funding from National Institute of Child Health and Human Development (NICHD).

Qualifications:

A bachelor's degree in any field of biology with prior research experience. Preferred prior research experience includes bioinformatics, molecular and cellular biology, genetics, and biochemistry. Authorship on peer-reviewed scientific publication(s) is advantageous.

Expectations:

The Ren laboratory provides a vibrant, supportive, and collaborative environment for learning and conducting research. Ph.D. students in the laboratory will learn the art and craft of research in many ways, including (1) planning and conducting their own research projects; (2) applying their expertise to assist others in the lab with their projects; (3) mentoring undergraduate students; (4) serve as teaching assistant for undergraduate courses in the department; (5) writing research proposals and applying for funding support; (6) presenting their research at local, national, and international conferences; and (7) writing manuscripts for peer-reviewed publications.

Start Date: August 2024 (Application Due date: Jan 1st, 2024)

(January 2024 is possible but with a different application due date and by request)

Location: Department of Animal Science, Cornell University, Ithaca, NY

Students interested in learning more about this position should contact Dr. Ren at yi.a.ren@cornell.edu. Please include brief statements of research interests, research experiences, and research achievements along with your CV, GPA, and the names and contact information for at least two references. Non-native English-speaking applicants should also provide scores for TOEFL or IELTS exams. GRE score is not required.