



PROGRAM OVERVIEW

The **Interdisciplinary Faculty of Toxicology** is a graduate student training program with instruction provided by faculty from 16 departments in seven schools/colleges and three associated laboratories at Texas A&M University.

The program's goal is to prepare trainees to function as independent researchers or practitioners in a multidisciplinary setting. We achieve this goal by offering didactic and research opportunities in the laboratories of outstanding investigators. The result is trainees who graduate ready to conduct scientifically sound, risk-based regulatory evaluations of the effects of drugs and other chemicals on human health and the environment.

PROGRAM BENEFITS

Our training program combines elements of biology and chemistry with other disciplines to demonstrate the effects of chemicals on living organisms and to inform decision-making about their safe use in medicine and other industries.

Trainees receive instruction and guidance from outstanding investigators who specialize in:

- Mechanistic Toxicology
- Data Science & Modeling
- Epidemiology
- Community Engagement
- Environmental Chemistry
- Biomedical Engineering
- Public Policy

Interdisciplinary faculty equip our trainees with research and critical-thinking skills to protect public health and the environment so that Texas A&M-trained toxicologists can make an impact through career-ready preparation to:

- Develop new and better ways to determine the potentially harmful effects of biological, chemical, or physical agents;
- Design and carry out carefully controlled studies of specific environmental exposures of social and economic importance; and
- Assess the probability that particular chemicals, processes, or exposure scenarios may present an unreasonable risk to human health or the environment.

CURRICULUM

Master's students complete core coursework, attend seminars and the annual regulatory science symposium, and perform laboratory research with the goal of writing and defending a thesis. Most Master of Science-track trainees complete their studies in two years.

Doctoral students complete core coursework, attend seminars and the annual regulatory science symposium, and, ultimately, write and defend their doctoral dissertation. In the first year, they typically conduct rotations through several laboratories to identify a research project and a mentor. At the end of their first year, trainees can conduct an externship with one of our partners in federal or state agencies, industry, and consulting firms.

Post-doctoral fellows conduct research, audit courses, and attend seminars and the regulatory science symposium. They acquire skills to become an independent investigator or to secure a professional position.

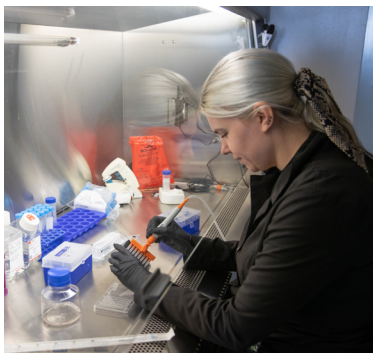
Pre- and post-doctoral options include a dedicated National Institutes of Health-funded (T32) program in "Regulatory Science in Environmental Health and Toxicology," which supports four Ph.D. candidates and two post-doctoral trainees per year who are U.S. citizens or legal permanent residents.

ADMISSIONS INFORMATION

The program generally enrolls an average of six Ph.D. and two M.S. trainees per year. The program begins in the fall semester, with applications opening the September before the anticipated start time of the program.

Applicants are encouraged to complete applications by **Dec. 1**. Doctoral applications completed from U.S. citizens and resident noncitizens submitted before **Jan. 15** are considered for institutional fellowships and invitations to the Texas A&M University Life Sciences Recruiting Symposium. The final date to apply is **March 1**.

Additional information about the program and application process is available at toxicology.tamu.edu.



PLEASE CONTACT US FOR MORE INFORMATION

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For more information about the Toxicology Program,
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Spring
2024