

## Toxicology-Related Academic Programs

### Duke University

#### Integrative Toxicology and Environmental Health Program

**Degree(s) Offered:** PhD

**Department:** Nicholas School of the Environment

**URL:** <https://nicholas.duke.edu/academics/doctoral-programs/university-program-integrated-toxicology-and-environmental-health-itehp>

**Program Contact:** Jessica Straehle

**Email:** [jessica.straehle@duke.edu](mailto:jessica.straehle@duke.edu)

#### **Graduate program focus and areas of expertise:**

Our program provides training in mechanistic toxicology, epidemiological analyses, and exposure science methods and enable examination of fundamental research questions in environmental health.

**Summer research Internship program?** Yes

**Intern Program:** Duke Superfund Center - Summer internship

### Indiana University School of Medicine

#### Translational Toxicology

**Degree(s) Offered:** MS, PhD

**Department:** Pharmacology and Toxicology

635 Barnhill Dr.

MS 549

Indiana University School of Medicine, IN 46202

**URL:** <https://medicine.iu.edu/pharmacology-toxicology/education/ms>

**Program Director:** Richard Nass

**Email:** [ricnass@iu.edu](mailto:ricnass@iu.edu)

**Phone:** 317.278.8505

#### **Graduate program focus and areas of expertise:**

Toxicology encompasses a wide array of disciplines that include biology, chemistry, physics and pharmacology, and spans professions that evaluate the adverse effects of toxicants on the environment to how therapeutics and experimental medicines affect human physiology.

Toxicologists are also significantly involved in the drug approval process and risk assessment.

There is currently a need in the pharmaceutical/chemical industries as well as government and non-government organizations (NGOs) for Masters-level toxicologists. This one-year non-thesis-based graduate program includes a ten week internship in one of these industries or an academic sector, which will provide the student with first-hand experience in toxicology careers.

A key feature of this program is that students have the opportunity to apply knowledge gained from their courses directly to a professional work environment. Students also gain relevant career experience and develop professional networks and connections. Students who are unsure whether to pursue a PhD in toxicology or a related discipline have the opportunity to

experience a rigorous biomedical science curriculum while pursuing a graduate degree that is sought after by industry, government, and NGOs.

**Summer research Internship program?** No

### **Louisiana State University Health Sciences Center Shreveport**

#### **The Toxicology Track**

**Degree(s) Offered:** MS, PhD

**Department:** The Department of Pharmacology, Toxicology & Neurosciences  
1501 Kings Hwy  
Shreveport, LA 71130

**URL:** <https://schoolofgradstudies.lsuhs.edu/academics/pharmacology-toxicology-and-neuroscience>

**Program Director:** Yunfeng Zhao

**Email:** [yunfeng.zhao@lsuhs.edu](mailto:yunfeng.zhao@lsuhs.edu)

**Phone:** 318.675.7876

#### **Graduate program focus and areas of expertise:**

The Toxicology Track include the following research areas: carcinogenesis and chemoprevention, environmental toxicology and neurodegenerative diseases, substance abuse and neurotoxicity.

**Summer research Internship program?** Yes

**Intern Program:** The SUPER Program

**Intern Program URL:** <https://schoolofgradstudies.lsuhs.edu/academics/pharmacology-toxicology-and-neuroscience/research/super>

**Description:** The Department of Pharmacology, Toxicology and Neuroscience offers an eight-week summer research program for domestic undergraduate students who are interested in pursuing a career in pharmacology. Students participate in laboratory research experiments and attend weekly lectures on topics that will help prepare them for success in research-intensive doctoral programs. The SUPER Program is funded by the ASPET/SURF, Society of Toxicology, LSU Health Shreveport Foundation and the Department of Pharmacology, Toxicology, and Neuroscience.

### **Michigan State University**

#### **Environmental and Integrative Toxicological Sciences Training Program & BioMolecular Science Gateway**

**Degree(s) Offered:** PhD

**Department:**

Food Safety and Toxicology Building Rm. 165G  
1129 Farm Lane  
East Lansing, MI 48824

**URL:** <https://iit.msu.edu/training/eits/index.html> ; <https://biomolecular.natsci.msu.edu/>

**Program Director:** John J. LaPres

**Email:** [lapres@msu.edu](mailto:lapres@msu.edu)

**Phone:** 517.432.9282

**Graduate program focus and areas of expertise:**

The discipline of toxicology applies knowledge from related disciplines to understand how toxic agents cause harm to humans and animals. For example, understanding how heavy metals damage the brain requires knowledge of biochemistry, molecular biology and other disciplines. Accordingly, rigorous training in a basic science discipline plus learning how chemicals, drugs and naturally occurring toxins can cause harm forms the cornerstone of toxicology training at MSU.

**Summer research Internship program? Yes**

**Intern Program:** Brush Summer Research Program

**Intern Program URL:** <https://cvm.msu.edu/research/student-research/undergraduate-student-summer-research-program>

**Description:** The National Institutes of Health (NIH) is sponsoring the Biomedical Research for University Students in Health Sciences (BRUSH) Summer Research Program at Michigan State University. Applications are welcomed from students enrolled in colleges or universities across the US. The goal of this program is to provide hands-on research exposure and graduate school preparation opportunities for undergraduate students who are from populations that are underrepresented in biomedical research. Participating students conduct hands-on, hypothesis-driven research on topics that relate to environmental sciences; specific projects may be on hypertension, immunotoxicology, tuberculosis, asthma, or the health effects of air pollutants, among others. The program starts on May 20, 2024 and concludes on August 2, 2024. The National Institutes of Health has specific criteria for acceptance into this program.

**Michigan State University****MS Programs in Pharmacology and Toxicology**

**Degree(s) Offered:** MS in Pharmacology and Toxicology, MS in Integrative Pharmacology, Graduate Certificate in Safety Pharmacology

**Department:** Pharmacology and Toxicology

1355 Bogue Street

B440 Life Sciences Building

East Lansing, MI 48824

**Program Director:** Isola Brown

**Email:** browniso@msu.edu

**Program Contact:** Stephen Stofflet

**Email:** phm@msu.edu

**Graduate program focus and areas of expertise:**

The MS Programs in Pharmacology and Toxicology are ideal for both recent baccalaureate graduates and mid-career professionals seeking to enhance their academic qualifications for employment or their competitiveness for admission to a professional degree program. The flexible curriculum with asynchronous online courses is taught by subject-expert faculty with years of experience in teaching and/or research.

**Summer research Internship program? No****Oregon State University****Environmental and Molecular Toxicology Graduate Program**

**Degree(s) Offered:** MS, PhD

**Department:** Environmental and Molecular Toxicology Department  
1007 ALS Bldg  
Corvallis, OR 97331

**Program Director:** Susan Tilton  
**Email:** susan.tilton@oregonstate.edu  
**Phone:** 541.737.1740

**Graduate program focus and areas of expertise:**

The OSU Toxicology Graduate Program offers an interdisciplinary course of study leading to the MS or Ph.D. degree. Our integrated curriculum, combining both the biological and physical sciences, offers training and research opportunities in the fields of Molecular and Computational Toxicology, Environmental Chemistry, Ecotoxicology and Risk Assessment in support of our state-of-the-art and internationally competitive research, outreach and education missions.

**Summer research Internship program?** No

**Purdue University**

**Toxicology**

**Degree(s) Offered:** MS, PhD  
**Department:** School of Health Sciences  
550 Stadium Mall Dr  
Hampton Hall  
West Lafayette, IN 47907

**URL:** <https://hhs.purdue.edu/graduate-programs/toxicology-graduate-program/>

**Program Director:** Jonathan Shannahan  
**Email:** jshannah@purdue.edu  
**Phone:** 765.494.2326

**Graduate program focus and areas of expertise:**

The Purdue Toxicology program offers comprehensive training in the interdisciplinary field of toxicology by offering both Masters and Doctorate degree programs. The program provides focused coursework and has broad research strengths. Laboratories at Purdue are dedicated to evaluating chemical exposures, exposure assessment, environmental and occupational health, as well as exposure-induced diseases via molecular and systems toxicology approaches. The program utilizes a variety cell culture and animal models as well as humans to address novel mechanisms of neuro-, immuno-, cardiopulmonary, and developmental toxicology.

**Summer research Internship program?** No

**Rutgers, The State University of New Jersey**

**JGPT Toxicology**

**Degree(s) Offered:** MS, PhD

**Department:** Toxicology  
170 Frelinghuysen Road  
Room 416  
Piscataway, NJ 08854

**URL:** <https://jgpt.rutgers.edu/>

**Program Director:** Lauren Aleksunes  
**Email:** [aleksunes@eohsi.rutgers.edu](mailto:aleksunes@eohsi.rutgers.edu)  
**Phone:** 848.445.5518

**Graduate program focus and areas of expertise:**

The Joint Graduate Program in Toxicology (JGPT) is an interdepartmental program designed to train students and postdoctoral fellows in the discipline of toxicology. The JGPT offers M.S. and Ph.D. degrees and provides the research training for Pharm.D./Ph.D. and M.D./Ph.D. students. Research is pursued across diverse scientific areas including inflammation, neurotoxicology, chemical warfare, lung, liver and kidney toxicity, cancer biology, microbiome as well as reproductive and developmental toxicology. Students also benefit from translational, clinical, and community-based toxicology research projects.

**Summer research Internship program? Yes**

**Intern Program:** Summer Undergraduate Research Fellowship (SURF) Program

**Intern Program URL:** <https://surf.rutgers.edu/>

**Description:** The Ernest Mario School of Pharmacy Summer Undergraduate Research Fellowship (SURF) Program is an NIH-funded REU intended for highly motivated undergraduates interested in a research career in the pharmaceutical and environmental sciences. Students are provided with an opportunity to conduct full-time research in areas related to Pharmacology and Toxicology, Environmental Health Sciences, Pharmaceutics, Medicinal Chemistry, Chemical Biology, and Clinical Pharmacy. The SURF program is open to undergraduate students currently enrolled at a university in the United States.

**St. John's University  
Toxicology Program**

**Degree(s) Offered:** BS Toxicology, BS/MS Toxicology, MS Toxicology, PhD Pharmaceutical Sciences (w/specialty in Toxicology)

**Department:** Pharmaceutical Sciences  
St. John's University  
8000 Utopia Parkway  
Jamaica, NY 11439

**URL:** <https://www.stjohns.edu/academics/programs/toxicology-master-science>

**Program Director:** Sue Ford  
**Email:** [fords@stjohns.edu](mailto:fords@stjohns.edu)  
**Phone:** 718.990.6220

**Graduate program focus and areas of expertise:**

Undergraduate and graduate coursework covers a broad range of disciplines including mechanistic toxicology, environmental toxicology, analytical toxicology, regulatory toxicology

and safety assessment. Students are engaged in research work closely with faculty who are experts in their respective fields and have active research programs in areas such as pulmonary toxicology, neurotoxicology, analytical toxicology, environmental toxicology, renal toxicology, molecular toxicology, pesticides, and pharmaceuticals.

**Summer research Internship program?** No

**Texas A&M University  
Interdisciplinary Faculty of Toxicology**

**Degree(s) Offered:** MS, PhD

**Department:**

4461 TAMU  
Texas A&M University  
College Station, TX 77843

**URL:** <https://toxicology.tamu.edu/>

**Program Director:** Natalie M. Johnson

**Email:** nmjohnson@tamu.edu

**Phone:** 979.436.9325

**Program Contact:** Kayla Gibbs

**Email:** tox@tamu.edu

**Phone:** 979.845.5529

**Graduate program focus and areas of expertise:**

Our program's focus is on regulatory science in environmental health and toxicology. Our goal is to prepare trainees to function as independent researchers and/or practitioners in a multidisciplinary setting, by providing training in mechanistic research and risk assessment with a focus on scientifically sound, risk-based regulatory evaluations of the effects of drugs and other chemicals on human health and the environment.

**Summer research Internship program?** No

**Texas Tech University  
Environmental Toxicology**

**Degree(s) Offered:** MS, PhD

**Department:** Department of Environmental Toxicology

1207 S. Gilbert Dr. Bldg. 555  
Lubbock, TX 79416

**URL:** <https://www.entx.ttu.edu/>

**Program Director:** Samantha Luna

**Email:** Samantha.m.luna@ttu.edu

**Phone:** 806.834.2436

**Graduate program focus and areas of expertise:**

The Department of Environmental Toxicology (ENTX) provides faculty and graduate students opportunities for multidisciplinary research and scholarly engagement related to environmental, forensic, and human health sciences. The Environmental Toxicology faculty attract graduate students at both the master's and doctoral level, with their backgrounds in biological sciences, medicine, epidemiology, biostatistics, engineering, chemistry, computer science, law, mathematics, pharmacology, physiology, and wildlife biology. The Forensic Science faculty are committed to the production and dissemination of interdisciplinary forensic science research through a unique multidisciplinary program that provides outstanding education, research, and professional training opportunities for undergraduate and graduate students at TTU and for local and regional law enforcement. Our department offers a PhD in Environmental Toxicology, MS in Environmental Toxicology, MS in Forensics Science, and two undergraduate minors (Environmental Toxicology and Forensic Sciences).

**Summer research Internship program? No**

**The University of New Mexico  
Biomedical Sciences Graduate Program**

**Degree(s) Offered:** MS, PhD

**Department:**

**URL:** <https://hsc.unm.edu/medicine/education/reo/graduate/bsgp/>

**Program Director:** Kathryn Frieze

**Email:** [kfrieze@salud.unm.edu](mailto:kfrieze@salud.unm.edu)

**Program Contact:** Alicia Bolt

**Email:** [ambolt@salud.unm.edu](mailto:ambolt@salud.unm.edu)

**Phone:** 505.272.9541

**Graduate program focus and areas of expertise:**

The BSGP includes both MS and PhD degrees and offers an exciting opportunity to gain a broad understanding of the biomedical sciences in a spectacular southwestern setting of unsurpassed beauty, rich cultural heritage, and geographic diversity. We have a special Concentration in Pharmacology and Toxicology.

**Summer research Internship program? Yes**

**Intern Program:** Undergraduate Pipeline Network

**Intern Program URL:** <https://hsc.unm.edu/medicine/education/reo/undergraduate/upn/>

**Description:** The Undergraduate Pipeline Network summer research experience seeks to cultivate students' interest in research while helping them attain skills needed to apply for and succeed in post-baccalaureate education. The program provides the opportunity for students to choose from several areas of research at the University of New Mexico's Health Sciences Center. The program period covers 10 weeks in the summer and scholars participate in the program a minimum of 40 hours per week.

**University of Arizona**

**Pharmacology and Toxicology**

**Degree(s) Offered:** MS, PhD, MD/PhD

**Department:** Pharmacology and Toxicology  
1703 E Mabel St  
Tucson, AZ 85721

**URL:** <https://www.pharmacy.arizona.edu/academics/academic-degrees/phd-degree/pharmacology-and-toxicology>

**Program Director:** Cathy Smith  
**Email:** [csmith@pharmacy.arizona.edu](mailto:csmith@pharmacy.arizona.edu)

**Program Contact:** Nathan Cherrington  
**Email:** [cherring@arizona.edu](mailto:cherring@arizona.edu)  
**Phone:** 520.403.7619

**Graduate program focus and areas of expertise:**

The Pharmacology and Toxicology research track trains students to determine mechanisms of action for pharmaceuticals, identify potential drug targets, and define adverse effects of chemicals such as drugs, industrial chemicals and environmental pollutants.

**Summer research Internship program?** No

**University of California Davis**  
**T32 Advanced Training in Environmental Toxicology and Pharmacology/Toxicology Graduate Program**  
**Degree(s) Offered:** PhD, PhD/DVM, PhD/MD  
**Department:** Environmental Toxicology  
One Shields Ave  
Davis, CA 95616

**URL:** <https://niehs.etox.ucdavis.edu/>

**Program Director:** Laura Van Winkle  
**Email:** [lsvanwinkle@ucdavis.edu](mailto:lsvanwinkle@ucdavis.edu)  
**Phone:** 530.718.9089

**Graduate program focus and areas of expertise:**

We have both a training grant in environmental health sciences and a graduate program for MS/PhD and dual degree students

**Summer research Internship program?** No

**University of California Davis**  
**ToxMSDT**  
**Degree(s) Offered:** N/A



**Department:** Molecular Biosciences  
1210 VM3B Veterinary Medicine  
Davis, CA 95616

**URL:** <https://toxmsdt.vetmed.ucdavis.edu/>

**Program Director:** Laura Van Winkle Wilson Rumbelha and Jodi Flaws  
**Email:** [wkrumbelha@ucdavis.edu](mailto:wkrumbelha@ucdavis.edu) / [jflaws@illinois.edu](mailto:jflaws@illinois.edu)  
**Phone:** 517.944.2022

**Program Contact:** LaCole Blackshire  
**Email:** [lblackshire@ucdavis.edu](mailto:lblackshire@ucdavis.edu)  
**Phone:** 530.574.6291

**Graduate program focus and areas of expertise:**

The ToxMSDT Program supports mentoring and skills development training for underserved undergraduate students in the STEM sciences with the goal to build a pathway for students to enter graduate toxicology programs and ultimately the toxicology workforce.

**Summer research Internship program?** No

**University of California Irvine  
Environmental Health Sciences Graduate Program**

**Degree(s) Offered:** MS, PhD

**Department:** Environmental and Occupational Health  
UCI Health Sciences Complex  
856 Health Sciences Quad  
Irvine, CA 92697

**URL:** <https://publichealth.uci.edu/degrees-programs/doctoral-programs/phd-environmental-health-sciences/>

**Program Director:** Jun Wu  
**Email:** [junwu@hs.uci.edu](mailto:junwu@hs.uci.edu)

**Program Contact:** Ulrike Luderer  
**Email:** [uluderer@uci.edu](mailto:uluderer@uci.edu)  
**Phone:** 949.824.8081

**Graduate program focus and areas of expertise:**

The doctoral program (PhD) in Environmental Health Sciences is a research-based program with two tracks of study. The Environmental Toxicology track focuses on identifying and quantifying the harmful effects of environmental chemicals on human health and elucidating the mechanisms by which these agents act. The Exposure Sciences and Environmental Epidemiology track focuses on population-based research and the evaluation of human exposures to environmental agents and on scientific principles used in evaluating risks to human health from environmental exposures.

**Summer research Internship program?** No

**University of Cincinnati**  
**Environmental Genetics and Molecular Toxicology**

**Degree(s) Offered:** MS, PhD

**Department:** Environmental and Public Health Sciences  
160 Panzeca Way  
Cincinnati, OH 45267

**URL:** <https://med.uc.edu/depart/eh/divisions/egmt>

**Program Director:** Ying Xia

**Email:** [ying.xia@uc.edu](mailto:ying.xia@uc.edu)

**Phone:** 513.558.0371

**Graduate program focus and areas of expertise:**

Students will be trained with faculty who uses a wide range of approaches to elucidate the mechanisms that control cellular and molecular processes in diseases caused by gene mutations and environmental exposure. Mechanisms include signal transduction, gene regulation, biotransformation, oxidative stress and epigenetics. Methodologies include transgenic and recombinant inbred rodent models, genomics, bioinformatics, proteomics and metabolomics. The goal is to equip trainee with cutting edge knowledge and to prepare them for a career in academia, industry or government.

**Summer research Internship program?** No

**University of Connecticut**  
**Pharmaceutical Sciences Graduate Program**

**Degree(s) Offered:** MS, PhD

**Department:** Pharmaceutical Sciences  
69 N Eagleville Rd  
Storrs, CT 0

**URL:** <https://pharmacy.uconn.edu/admission-academics/ph-d-degree/#:~:text=The%20Department%20of%20Pharmaceutical%20Sciences,Medicinal%20Chemistry%2C%20Pharmacology%20and%20Toxicology.>

**Program Director:** Kyle Hadden

**Email:** [kyle.hadden@uconn.edu](mailto:kyle.hadden@uconn.edu)

**Phone:** 860.486.8446

**Program Contact:** Ley Cody Smith

**Email:** [l.cody.smith@uconn.edu](mailto:l.cody.smith@uconn.edu)

**Phone:** 407.451.0956

**Graduate program focus and areas of expertise:**

The Department of Pharmaceutical Sciences at the UConn School of Pharmacy offers graduate programs to prepare students for bright futures in academia, the pharmaceutical industry, and regulatory agencies careers. MS and Ph.D. degrees are available in Pharmaceutics, Medicinal Chemistry, Pharmacology and Toxicology.

**Summer research Internship program?** No

**University of Georgia  
Toxicology Program  
Degree(s) Offered: MS, PhD  
Department:**

501 D.W. Brooks Dr. Rm, 2120  
College of Veterinary Medicine  
Athens, GA 30602

**Program Director:** Nick Filipov  
**Email:** filipov@uga.edu  
**Phone:** 706.583.0058

**Program Contact:** Wanda Darden  
**Email:** wdarden@uga.edu  
**Phone:** 706.583.0058

**Graduate program focus and areas of expertise:**

**Ecological Toxicology:** Faculty in this emphasis area are primarily focused on understanding the effects and influence of xenobiotics on the environment and organisms that live in the environment. Using a wide range of scientific methods faculty are involved with species ranging from black flies, fish, amphibians, daphnia, bacteria, mussels, crocodiles and birds. **Mechanistic Toxicology:** Faculty in this emphasis area have research interests in understanding how xenobiotics interact with mammalian and non-mammalian species at the level of DNA, proteins, signaling pathways, cells, and organs. Many tools or research methods exist to study the mechanisms of action of chemicals and pathogens on biological systems.

**Summer research Internship program?** No

**University of Illinois Urbana-Champaign  
Interdisciplinary Training Program in Environmental Health and Toxicology  
Degree(s) Offered: MS, PhD**

**Department:** Comparative Biosciences  
2001 S. Lincoln Ave.  
Room 3223  
Urbana, IL 61802

**URL:** <https://vetmed.illinois.edu/toxtrainingprogram/>

**Program Director:** Jodi Flaws  
**Email:** jflaws@illinois.edu  
**Phone:** 217.333.7933

**Graduate program focus and areas of expertise:**

The Program, established in 2000, educates pre-and postdoctoral trainees in reproductive/endocrine toxicology, neurotoxicology, nutritional toxicology, and nanotoxicology.

**Summer research Internship program?** Yes

**Intern Program:** Summer Research Experience in Toxicology (SURE Tox)

**Intern Program URL:** <https://vetmed.illinois.edu/suretox/>

**Description:** The Summer Undergraduate Research Experience in Toxicology (SURE Tox) program at the University of Illinois will provide high quality research experiences for under-represented minority undergraduate students during the summer academic break. The SURE Tox program will have its own identity, but it will also complement existing funded programs for undergraduate and medical students at the University of Illinois such as the Environmental Interdisciplinary Toxicology Program, the Summer Research Opportunities Program, the Toxicology Scholars Program, and the Summer Research Program for Veterinary Medical Students. The program will involve active participation by faculty members from several departments and colleges at the University of Illinois, all of whom have expertise in environmental health/toxicology and experience training undergraduate students.

**University of Kentucky College of Medicine  
Integrated Biomedical Sciences Program**

**Degree(s) Offered:** PhD

**Department:** Office of Biomedical Education  
Willard Medical Education Building, MN 150  
Lexington, KY 40515

**URL:** <https://medicine.uky.edu/sites/graduate/phd-program>

**Program Director:** Hollie Swanson

**Email:** [hollie.swanson@uky.edu](mailto:hollie.swanson@uky.edu)

**Phone:** 859.323.1463

**Graduate program focus and areas of expertise:**

The Integrated Biomedical Sciences (IBS) is an undifferentiated, first-year, core curriculum that serves as the entry point for seven doctoral programs housed in the University of Kentucky College of Medicine. IBS provides exposure to cellular and molecular concepts in the biomedical sciences, development of interdisciplinary approaches necessary for innovative research, and flexibility in choosing a research emphasis among 186 faculty members in six departments. As part of IBS, students complete coursework, engage in biomedical research through laboratory rotations that facilitate selection of a dissertation mentor, and participate in research seminars.

**Summer research Internship program? Yes**

**Intern Program:** Summer Undergraduate Research in Environmental Health Sciences

**Intern Program URL:** <https://medicine.uky.edu/departments/pharmns/summer-training#SURES%20Program>

**Description:** A multidisciplinary research-training program for undergraduates after their sophomore year. This program is specifically for students who are interested in careers in environmental health sciences. During this 10 week summer program, students will perform independent research projects and engage in career-building activities.

**University of Louisville  
Pharmacology and Toxicology**

**Degree(s) Offered:** MS, PhD

**Department:** Pharmacology and Toxicology

505 S. Hancock St. Rm. 304, Department of Pharmacology  
Louisville, KY 40202

**Program Director:** Nobuyuki Matoba  
**Email:** n.matoba@louisville.edu  
**Phone:** 502.852.8412

**Graduate program focus and areas of expertise:**

Our graduate programs incorporate a range of methodologies from molecular to clinical pharmacology and toxicology. Areas of expertise include drug development, metals toxicology, environmentally induced disease (cancer, cardiovascular disease), receptor biology, toxicogenomics, among others.

**Summer research Internship program? Yes**

**Intern Program:** Cancer Education Program

**Intern Program URL:** <https://louisville.edu/medicine/departments/pharmacology/research/nci-r25-cancer-education>

**Description:** The 10-week program provides a hands-on research experience coupled with a weekly seminar focused on cancer.

**University of Mary Hardin-Baylor**

**Public Health**

**Degree(s) Offered:** MPH

**Department:** School of Health Professions  
900 College St  
Box 8023  
Belton, TX 0

**URL:** <https://onlinedegrees.umhb.edu/online-programs/healthcare/master-of-public-health/>

**Program Director:** Ariane Secrest  
**Email:** asecrest@umhb.edu  
**Phone:** 254.295.4975

**Program Contact:** Kristal Rychlik  
**Email:** krychlik@umhb.edu  
**Phone:** 512.627.5882

**Graduate program focus and areas of expertise:**

Our public health program focuses on preparing students to be effective health educators, including providing preparation for students to sit for the Certified Health Education Specialist (CHES) exam and the Certified in Public Health (CPH) exam. Health educators can work in all areas of public health working to assess local and global populations' needs and inspire behaviors that promote health equity through service, education, and scholarship.

**Summer research Internship program? No**

**University of Michigan  
Environmental Health Sciences/Toxicology**

**Degree(s) Offered:** MPH, MS, PhD

**Department:** Environmental Health Sciences  
1415 Washington Heights  
Ann Arbor, MI 48109

**URL:** <https://sph.umich.edu/ehs/about.html>

**Program Director:** Justin Colacino

**Email:** colacino@umich.edu

**Phone:** 734.546.7250

**Graduate program focus and areas of expertise:**

Each day we are building upon our rich history to solve some of the most pressing issues in environmental health sciences and public health. Our faculty, researchers, and students are tackling public health topics like lead contamination of the water supply, health effects of air pollution, populations vulnerable to climate change, protection of workers' health, the environment and cancer risk, toxicant exposures and preterm birth, or improving water quality in lower income countries. We are dedicated to creating a diverse, equitable, and inclusive community for Environmental Health Sciences students, staff, and faculty, where individual voices are heard, welcomed, and respected. Our aim is to build a community that embraces difference, providing a comfortable and collaborative environment for everyone. Fostering diversity and inclusion within our department is essential to improving public health and to achieving excellence in research, education, teaching, and outreach.

**Summer research Internship program? Yes**

**Intern Program:** Undergraduate research training for diversity in environmental health sciences

**Description:** The Undergraduate Research Education Program (Undergirding Potential Program: UP Program) in Environmental Health Sciences (EHS) is a collaboration among the University of Michigan (Michigan), Hampton University (Hampton), and Fisk University (Fisk) with the goal of increasing diversity in the EHS research workforce and accelerating improvements in environmental quality and public health. Faculty from Michigan's EHS Department (School of Public Health) with robust research programs on NIEHS priority areas will mentor four undergraduate students per summer. Hampton and Fisk Universities are historically black colleges and universities (HBCUs) with developing research interests in EHS among both faculty and students. Students will be co-selected by Fisk, Hampton and Michigan UP Program leaders and matched with faculty mentors.

**University of Montana  
Toxicology Graduate Program**

**Degree(s) Offered:** MS and PhD in Toxicology

**Department:** Biomedical and Pharmaceutical Sciences  
280 Skaggs Building  
32 Campus Drive  
Missoula, MT 59812

**Program Director:** Andrij Holian

**Email:** andrij.holian@umontana.edu

**Phone:** 406.546.9834

**Graduate program focus and areas of expertise:**

The primary focus of the program is immunotoxicology with a particular emphasis on respiratory toxicology and chronic inflammation. Areas of interest include altered immune responses to a wide array of particulates, woodsmoke, aromatic hydrocarbons, and other reactive chemicals.

**Summer research Internship program? Yes**

**Intern Program:** Summer Undergraduate Research Program

**Intern Program URL:** <https://cehsweb.health.umt.edu/education/summer-programs>

**Description:** Ten week program that emphasizes immersion and engagement in an active research project to experience life as a PhD student in Toxicology. In addition to conducting research, students participate in journal clubs, lab meetings, additional educational activities and spend time on weekends hiking and enjoying guided activities in Western Montana. Many students present the results of their research at the SOT meeting the following spring.

**University of North Carolina at Chapel Hill**

**Curriculum in Toxicology and Environmental Medicine**

**Degree(s) Offered:** PhD

**Department:**

116 Manning Dr  
Chapel Hill, NC 27599

**Program Director:** Ilona Jaspers

**Email:** [ilona\\_jaspers@med.unc.edu](mailto:ilona_jaspers@med.unc.edu)

**Phone:** 919.966.8657

**Program Contact:** Meghan Rebuli

**Email:** [meradfor@email.unc.edu](mailto:meradfor@email.unc.edu)

**Graduate program focus and areas of expertise:**

Our mission is to provide a cutting edge research and mentoring environment to train students and postdoctoral fellows in environmental health and toxicology. Our trainees are engaged in original research projects addressing important toxicological and environmental health issues, preparing them for independent careers in academia, government, or industry. Using in silico, in vitro, in vivo, as well as human translational research approaches the goal of our trainees' research is to elucidate the pathogenesis of exposure to toxic agents.

**Summer research Internship program? Yes**

**Intern Program:** 21st Century Environmental Health Scholars

**Intern Program URL:** <https://ie.unc.edu/cpes-project/21st-century-environmental-health-scholars/>

**Description:** 21st Century Environmental Health Scholars (21EH Scholars) is a year-round program that provides environmental health science research internships for undergraduate students at North Carolina Central University (NCCU) and UNC-Chapel Hill. Working as part of a lab team, 21EH Scholars will learn about cutting-edge research topics and develop research skills. They also will develop their science communication skills and prepare to apply to graduate school.

**University of Rochester  
Toxicology Training Program**

**Degree(s) Offered:** PhD

**Department:** Environmental Medicine  
601 Elmwood Ave., Box 850  
University of Rochester  
Rochester, NY 14642

**URL:** <https://www.urmc.rochester.edu/education/graduate/phd/toxicology.aspx>

**Program Director:** Alison Elder

**Email:** [alison\\_elder@urmc.rochester.edu](mailto:alison_elder@urmc.rochester.edu)

**Phone:** 585.275.2324

**Graduate program focus and areas of expertise:**

The Rochester Toxicology Program provides state-of-the-art graduate-level training in the environmental health sciences and toxicology. Opportunities in our program span basic through clinical research to discover how the environment affects human health, and how to use this information to improve individual and community health.

**Summer research Internship program?** No

**Vanderbilt University**

**T32 Training Program in Environmental Toxicology**

**Degree(s) Offered:** Phd

**Department:** Tox program is not degree granting, multiple departments within the Grad school  
7465 MRB IV  
Nashville, TN 37232

**Program Director:** Fiona Harrison & Fred Guengerich

**Email:** [fiona.harrison@vumc.org](mailto:fiona.harrison@vumc.org)

**Phone:** 615.875.5547

**Graduate program focus and areas of expertise:**

This T32 program typically covers pre-doctoral fellows in their second and third years, or two years of postdoctoral fellowship. We provide a comprehensive grounding in principle of toxicology research in addition to career development support.

**Summer research Internship program?** No

**Wayne State University**

**Molecular and Environmental Toxicology**

**Degree(s) Offered:** MS, PhD

**Department:** Pharmacology  
6374 Scott Hall  
540 E Canfield  
Detroit, MI 48201



**URL:** <https://pharmacology.med.wayne.edu/enviro-toxicology>

**Program Director:** Andrew Garrett

**Email:** [andrew.garrett@wayne.edu](mailto:andrew.garrett@wayne.edu)

**Phone:** 313.577.0963

**Graduate program focus and areas of expertise:**

The doctoral program in Pharmacology offers a Concentration in Molecular and Environmental Toxicology (MET). The mission of the MET concentration is to provide comprehensive cross-disciplinary Ph.D. doctoral training in environmental health science and modern-era molecular and cellular toxicology. To achieve this goal, the MET concentration offers interdisciplinary research opportunities and access to mentors who are dedicated to probing the complex effects of exposure to environmental stressors.

**Summer research Internship program?** No