Toxicology-Related Academic Programs

Duke University
Integrated Toxicology and Environmental Health Program (ITEHP)
Degree(s) Offered: PhD
Department: Nicholas School of the Environment and Duke University Medical Center
Box 90328, Levine Science Research Center
Duke University
Durham, NC 27708-0328

URL: https://sites.nicholas.duke.edu/envhealth/

Program Director: Dr. Richard T. Di Giulio
Email: richd@duke.edu
Phone: 919.613.8024

Program Contact: Dr. Joel Meyer, Director of Graduate Studies
Email: joel.meyer@duke.edu
Phone: 919.613.8109

Graduate program focus and areas of expertise:
The mission of the Duke Integrated Toxicology and Environmental Health Program (ITEHP) is to prepare pre-doctoral students from a variety of backgrounds and educational disciplines for participation as rigorously trained research scientists active in environmental health careers. The field of environmental health is inherently interdisciplinary in nature, and participation in the ITEHP develops holistic thinking skills in trainees to better enable them to perform cutting edge research and to solve real-life problems in this field. This is achieved through the program’s focused classroom instruction largely completed during the first two years of training and laboratory rotations followed typically by two to three years of focused research.

John Jay College of Criminal Justice
Forensic Science
Degree(s) Offered: Masters of Science in Forensic Science
Department: Science
524 W. 59th St.
New York, NY 10019

URL: https://www.jjay.cuny.edu/master-science-forensic-science

Program Director: Dr. Mechthild Prinz
Email: mprinz@jjay.cuny.edu
Phone: 212.621.3751

Graduate program focus and areas of expertise:
The John Jay MS-FOS program draws on several of the hard sciences, including biology, biochemistry, organic and analytical chemistry, and physics to educate students in forensic science and current applications. Students specialize in criminalistics, forensic genetics, or forensic toxicology. The program emphasizes hands-on laboratory coursework that not only provides up-to-date technical skills but also encourages critical thinking and problem solving. In addition, the program engages current issues and trends in forensic science and includes courses on law and legal issues, ethics, and statistics.
Michigan State University
Online Master's Programs in Pharmacology and Toxicology
Degree(s) Offered: MS in Pharmacology and Toxicology, MS in Integrative Toxicology, and Graduate Certificate in Safety Pharmacology
Department: Pharmacology and Toxicology
1355 Bogue Street
B440 Life Sciences Building
East Lansing, MI 48824

URL: https://phmtox.msu.edu/education/ms-phmtox/

Program Director: Dr. Isola Brown
Email: browniso@msu.edu

Program Contact: Stephen Stofflet
Email: stoffle1@msu.edu

Graduate program focus and areas of expertise:
The online MS Degree programs are designed to train individuals in molecular, cellular, and organ systems pharmacology. The MS in Pharmacology and Toxicology is ideal for both recent baccalaureate graduates and mid-career professionals seeking to enhance their academic qualifications for employment or competitiveness for admission to professional degree programs. The MS in Integrative Pharmacology would most strongly benefit students who are currently employed in an academic, industrial or governmental laboratory. The graduate certificate in Safety Pharmacology provides training in the specific discipline that focuses on potential undesirable pharmacodynamic effects of substances. Students in all programs complete courses online, via a flexible curriculum.

Michigan State University
Environmental and Integrative Toxicological Sciences Training Program
Degree(s) Offered: PhD
Department: Institute of Integrative Toxicology
1129 Farm Lane Rm. 165
East Lansing, MI 48824

URL: https://iit.msu.edu/training/eits/index.html

Program Director: Dr. John J. LaPres
Email: lapres@msu.edu
Phone: 517. 432.9282

Graduate program focus and areas of expertise:
To provide both of these, the EITS at MSU offers a “dual major” doctoral program. Each student engages in graduate education in a partnering basic science doctoral program that matches the student’s scientific interests. With this as a foundation, the EITS graduate program provides customized and coordinated training that enables a student to launch a successful career in the science of toxicology.

Summer research Internship program? Yes
Mississippi State University
Environmental Toxicology
Degree(s) Offered: PhD, MS
Department: Comparative Biomedical Sciences; also Center for Environmental Health Sciences
PO Box 6100
Mississippi State, MS 39762

URL: http://www.catalog.msstate.edu/graduate/colleges-degree-programs/veterinary-medicine/environmental-toxicology/

Program Director: Dr. Russell Carr
Email: rlcarr@cvm.msstate.edu
Phone: 662.325.1417

Program Contact: Dr. Janice Chambers
Email: chambers@cvm.msstate.edu
Phone: 662.325.1255

Graduate program focus and areas of expertise:
Our primary areas of interest are neurotoxicology, immunotoxicology, metabolic toxicology, and biochemical toxicology related to pesticides such as organophosphates and organochlorines, and other environmental toxicants. Our other interests include development of antidotes to threat agents and cannabinoids.

Oregon State University
Environmental and Molecular Toxicology
Degree(s) Offered: MS, PhD
Department: Environmental and Molecular Toxicology
1007 Agriculture & Life Sciences Building
Corvallis, OR 97331

URL: https://emt.oregonstate.edu/

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

Program Contact: Mary Mucia
Email: mary.mucia@oregonstate.edu
Phone: 541.737.9079

Graduate program focus and areas of expertise:
The Oregon State University Environmental and Molecular Toxicology programs offer a unique and exciting synthesis of the fields of Biology (Molecular and Computational Toxicology) and Chemistry (Environmental Toxicology and Chemistry), which positions EMT to focus on creating, disseminating and applying new biomedical and biophysical knowledge to enhance the treatment and prevention of human disease, and to ensure the protection of the environment and public health. This integrated approach, combining both the biological and physical sciences, provides exciting training and research opportunities for graduate students and supports our state-of-the-art and internationally competitive research programs. EMT offers a highly collegial and exceptionally collaborative, research, and training environment dedicated to the success and advancement of all EMT students, faculty, and staff. The Toxicology program offers an integrated interdisciplinary
course of study leading to the MS or PhD degree. The Toxicology program offers an integrated interdisciplinary course of study leading to the MS or PhD degree.

**Purdue University**

**Toxicology Program**

**Degree(s) Offered:** non-thesis MS, thesis MS, PhD  
**Department:** School of Health Sciences  
550 Stadium Mall Drive  
West Lafayette, IN 47907

**URL:** https://www.purdue.edu/hhs/hsci/students/graduate/programs/toxicology.html

**Program Director:** Dr. Jason Cannon  
**Email:** cannonjr@purdue.edu  
**Phone:** 765.494.0794

**Graduate program focus and areas of expertise:**  
Basic, applied, clinical toxicology. Mechanisms of adverse outcomes; technology to assess exposures and molecular and biochemical toxicology.

**San Diego State University**

**Environmental Health Sciences**

**Degree(s) Offered:** PhD, MS, MPH, BS (soon to offer MS in Toxicology)  
**Department:** Public Health  
5500 Campanile Dr.  
Hardy Tower 119  
San Diego, CA 92182

**URL:** https://publichealth.sdsu.edu/

**Program Director:** Dr. Kari Sant  
**Email:** ksant@sdsu.edu  
**Phone:** 619.594.8940

**Graduate program focus and areas of expertise:**  
San Diego State University School of Public Health offers PhD, MS, MPH, and BS programs in Environmental Health Sciences, Toxicology, and Global Health. Our core areas of research are ecotoxicology, environmental risk assessment, endocrine disruption, and developmental toxicology. We are located in the heart of beautiful San Diego, CA, and we are a proud Hispanic-Serving Institution.

**St. John’s University**

**Toxicology Program**

**Degree(s) Offered:** BS, BS/MS, MS, PhD Pharmaceutical Sciences/Toxicology  
**Department:** Pharmaceutical Sciences  
St. John’s University  
8000 Utopia Parkway  
Jamaica, NY 11439
Programs listed responded to a request for information February 2022


Program Director: Sue Ford, PhD, DABT
Email: fords@stjohns.edu
Phone: 718.990.6220

Graduate program focus and areas of expertise:
The program coursework covers a broad range of disciplines including mechanistic toxicology, environmental toxicology, analytical toxicology, regulatory toxicology and risk assessment. Graduate students 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, hepatic and renal toxicology, molecular toxicology, pesticides, and pharmaceuticals.

Texas A&M University
Interdisciplinary Faculty of Toxicology
Degree(s) Offered: MS and PhD in Toxicology
Department:
4461 TAMUS
College Station, TX 77843-4461

URL: https://toxicology.tamu.edu/

Program Director: Ivan Rusyn, MD, PhD
Email: irusyn@tamu.edu
Phone: 979.458.9866

Program Contact: Kim Daniel
Email: k-daniel@tamu.edu
Phone: 979.845.5529

Graduate program focus and areas of expertise:
Due to the interdisciplinary nature of our program, we have many research foci, including:
*Mechanistic Toxicology  *Regulatory Toxicology  *Data Science & Modeling  *Epidemiology
*Community Engagement  *Environmental Chemistry  *Biomedical Engineering

University of Arizona
Pharmacology and Toxicology Graduate Program
Degree(s) Offered: Pharmacology and Toxicology PhD, MS
Department: Pharmacology and Toxicology
1703 E Mabel St.
Tucson, AZ 85721

URL: https://www.pharmacy.arizona.edu/academics/graduate-programs/phd-degree/pharmacology-and-toxicology

Program Director: Cathy Smith
Email: csmith@pharmacy.arizona.edu
Phone: 520.626.8349
Program Contact: Nathan Cherrington  
Email: cherrington@pharmacy.arizona.edu  
Phone: 520.626.0219

Graduate program focus and areas of expertise:  
The goal of the program is to train students in state-of-the-art approaches in basic research in pharmacology, toxicology, environmental toxicology, chemical pharmacology, proteomics and closely related sub-disciplines. The programs prepare students for careers in independent research or related careers in academia, industry or government.

University of California at Los Angeles  
Molecular Toxicology interdepartmental doctoral program  
Degree(s) Offered: PhD  
Department: Environmental Health Sciences  
Center for Health Sciences  
UCLA  
Los Angeles, CA 90095

URL: https://grad.ucla.edu/programs/school-of-public-health/molecular-toxicology/

Program Director: Oliver Hankinson  
Email: ohank@mednet.ucla.edu  
Phone: 310.508.5984

Graduate program focus and areas of expertise:  
The faculty have seven major foci of research interests: neurotoxicology (particularly the role of pesticides in the etiology of Parkinson’s disease), air pollution (the toxic effects of secondhand cigarette smoke, wild-fire smoke, and of fossil fuels and their combustion products), toxico-epigenetics (effects of endocrine disruptors and other toxicants), nanotoxicology, big data/computational toxicology, gene-environment interactions and susceptibility, and alternative model organisms and predictive toxicology. These research foci are highly relevant to environmental challenges confronting California and the nation.

University of California Davis  
Pharmacology and Toxicology  
Degree(s) Offered: MS, PhD  
Department: Environmental Toxicology  
One Shields Ave  
Davis, CA 95616

URL: https://ptx.ucdavis.edu/

Program Director: Laura Van Winkle  
Email: lsvanwinkle@ucdavis.edu  
Phone: 530.754.7547

Program Contact: Katharine Moffatt  
Email: etoxgradadvising@ucdavis.edu  
Phone: 530.752.4516
Graduate program focus and areas of expertise:
The Graduate Group in Pharmacology and Toxicology (PTX) at the University of California, Davis, is an interdisciplinary program that combines coursework and experimental training in modern approaches to pharmacological and toxicological problems. The group is comprised of more than 80 faculty members from the School of Veterinary Medicine, School of Medicine, College of Agricultural and Environmental Sciences, and the College of Biological Sciences. Areas of research span fundamental and translational research in a broad spectrum of areas within pharmacology and toxicology.

University of California Davis
Pharmacology and Toxicology Graduate Group (PTX); NIEHS T32 Advanced Training in Environmental Health Sciences
Degree(s) Offered: MS, PhD
Department: Environmental Toxicology
One Shields Ave
Davis, CA 95616

URL: https://ptx.ucdavis.edu/

Program Director: Laura Van Winkle
Email: lsvanwinkle@ucdavis.edu
Phone: 530.754.7547

Program Contact: Katharine Moffat
Email: etoxgradadvising@ucdavis.edu
Phone: 530.752.4516

Graduate program focus and areas of expertise:
PTX is a large graduate group in Pharmacology and Toxicology with over 90 faculty members spanning schools and colleges at UC Davis including the School of Medicine and School of Veterinary Medicine. Areas of emphasis include cancer biology, environmental toxicology, neurotoxicology and neuropharmacology, cardiopulmonary toxicology and pharmacology and veterinary pharmacology and toxicology.

University of California Irvine
Environmental Health Sciences
Degree(s) Offered: MS, PhD
Department: Environmental and Occupational Health
COEH
100 Theory Drive, Suite 100
Irvine, CA 92617

URL: https://sites.uci.edu/publichealthehs/

Program Director: Jun Wu
Email: jumwu@uci.edu
Phone: 949.824.0548

Program Contact: Ulrike Luderer
Email: uluderer@uci.edu
Graduate program focus and areas of expertise:
The UCI Program in Public Health’s Department of Environmental and Occupational Health provides training in Environmental Health Sciences, culminating with the award of the doctor of philosophy degree (PhD) in one of two tracks, Environmental Toxicology and Exposure Sciences and Environmental Epidemiology, or the master of science (MS) degree. Areas of expertise include inhalation/pulmonary toxicology, biochemical neurotoxicology, reproductive and developmental toxicology, toxicokinetics, radiation toxicology, molecular carcinogenesis, exposure assessment, risk assessment, environmental epidemiology, environmental justice, and community-based participatory research.

University of California Riverside
Environmental Toxicology Graduate Program
Degree(s) Offered: PhD, MS
Department:
1140 Bachelor Hall
University of California, Riverside
Riverside, CA 92521

URL: https://etox.ucr.edu/

Program Director: Wenwan Zhong
Email: wenwan.zhong@ucr.edu

Program Contact: Fidel Rivas (Graduate Student Advisor)
Email: fidelr@ucr.edu
Phone: 951. 827.5688

Graduate program focus and areas of expertise:
The Environmental Toxicology (ETOX) Graduate Program is dedicated to educate and train future generations of scientists with the knowledge and skills needed to address the complex environmental and toxicological issues confronting our society with multidisciplinary approaches. Students in our program work on diverse research projects aiming to reveal mechanisms of how environmental and toxicology components affect the ecosystems and human health. By doing so they are able to develop technologies for effective monitoring of the impacts of environmental pollution, cultivate strategies for control, reduction, and even remediation of environmental pollution.

University of Connecticut

Pharmaceutical Sciences
Degree(s) Offered: PhD, MS
Department: Pharmaceutical Sciences
69 North Eagleville Rd
Storrs
Storrs, CT 06269

URL: https://pharmacy.uconn.edu/department-of-pharmaceutical-sciences/
Program Director: Jose Manautou
Email: jose.manautou@uconn.edu
Phone: 860.486.3852

Graduate program focus and areas of expertise:
The Department of Pharmaceutical Sciences at the UConn School of Pharmacy has a rich history of excellence in all three facets of its core mission: teaching, research, and service. We do this through world class teaching and learning, scientific discovery and exchange, and health care improvement. The Department is home to 20 faculty members with expertise in the disciplines of Pharmaceutics, and Pharmacology and Toxicology, and Medicinal Chemistry.

University of Georgia
Interdisciplinary Toxicology Program
Degree(s) Offered: Masters and PhD
Department:
  501 D. W. Brooks Drive
  College of Veterinary Medicine
  Athens, GA 30602

URL: https://toxicology.uga.edu/

Program Director: John Wagner
Email: jwagner@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:
The Toxicology Program is committed to a high-quality graduate education and excellence in research. Both faculty and graduate students are internationally and nationally recognized for their research expertise. We currently have 30 students in the program earning their PhD. Our students come from 7 different countries.

University of Illinois Urbana-Champaign
Interdisciplinary Training Program in Environmental Health and Toxicology
Degree(s) Offered: PhD
Department: Comparative Biociences
  2001 S. Lincoln Ave.
  Room 3223
  Urbana, IL 61802

URL: https://vetmed.illinois.edu/toxtrainingprogram/

Program Director: Dr. Jodi Flaws
Email: jflaws@illinois.edu

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.
**Intern Program:** Summer Undergraduate Research Experiences in Toxicology (SureTox)

**URL:** https://vetmed.illinois.edu/suretox/

The Summer Undergraduate Research Experience in Toxicology (SURE Tox) program at the University of Illinois will provide high quality research experiences for underrepresented undergraduate students during the summer academic break. The training program enrolls 8 students who will spend 10 weeks over the summer in the program. At the conclusion of the program, the students will present their work at the Illinois Summer Research Symposium held on campus. This training program will provide a unique opportunity for undergraduate underrepresented undergraduate students to obtain training and research experience in the field of environmental health/toxicology at a research intensive university with outstanding environmental health/toxicology programs.

**University of Kentucky College of Medicine**

**Integrated Biomedical Sciences (IBS) Program**

**Degree(s) Offered:** PhD

**Department:** Pharmacology and Nutritional Sciences  
MS 305, UKMC  780 Rose Street  
Lexington, KY  40536

**URL:** https://graduate.med.uky.edu/integrated-biomedical-sciences

**Program Director:** Hollie Swanson  
**Email:** hollie.swanson@uky.edu  
**Phone:** 859.323.1463

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

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.

**Intern Program:** Summer Training in Environmental Health and Pharmacological Sciences (STEPS)

**Intern Program URL:** http://surfsures.blogspot.com/

**Description:** Our 10 week summer undergraduate research programs focus on two areas of interest and are designed to provide 17 highly motivated students with research experience as well as further develop their career plans. The Summer Undergraduate Research Fellowship (SURF) program emphasizes different areas of pharmacology. The Summer Undergraduate Research in Environmental Sciences (SUREs) focuses on environmental health sciences. Any undergraduate student who are rising juniors or above and are currently enrolled at a university in the United States are eligible to apply.
University of Massachusetts Amherst
Public Health: Environmental Health Sciences
Degree(s) Offered: MS, MPH, PhD
Department: Environmental Health Sciences
   School of Public Health and Health Sciences
   686 North Pleasant Street
   Amherst, MA 01003

URL: https://www.umass.edu/sphhs/environmental-health-sciences/about-us

Program Director: Dr. Alicia R. Timme-Laragy
Email: aliciat@schoolph.umass.edu
Phone: 413.545.7423

Graduate program focus and areas of expertise:
The graduate program extends to many pressing public health issues such as environmental contamination, environmental toxicology, ecological risk assessment and regulatory issues, air quality and pollution and their associated risks to cardiovascular health and asthma, and prenatal environmental exposures and their influence on health outcomes via epigenetic processes.

University of Michigan School of Public Health
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/

Program Director: Justin Colacino
Email: colacino@umich.edu
Phone: 734.647.4347

Graduate program focus and areas of expertise:
To protect global populations where they live, work, and grow, the faculty and students of the University of Michigan School of Public Health’s Department of Environmental Health Sciences pursue the latest knowledge about the environmental issues that shape human health. Our interdisciplinary programs and curriculum prepare students to lead sustainable action, shape public health policy, and pursue jobs in public health practice, academia, advocacy, medicine, and beyond. We offer Master of Public Health, Master of Science, and Doctor of Philosophy degrees focused on practice and research in the fields of toxicology and environmental health sciences, supported by two National Institutes of Health training grants. With over 4,500 alumni, our department has a significant impact on the fields of toxicology and environmental health sciences.
University of Montana
Toxicology Graduate Program
Degree(s) Offered: MS and PhD
Department: Biomedical and Pharmaceutical Sciences
280 Skaggs Building
32 Campus Drive
Missoula, MT 59812

URL: https://cehsweb.health.umt.edu/

Program Director: Andrij Holian
Email: andrij.holian@umontana.edu
Phone: 406.243.4018

Graduate program focus and areas of expertise:
The primary focus of our graduate program is in immunotoxicology. Our areas of expertise are in impacts of environmental exposures on the immune system to evaluate acute and chronic outcomes (asthma, fibrosis, infections and autoimmune diseases). Environmental exposures of current interest include acrolein, silica, nanomaterials, woodsmoke. Major core facilities include Inhalation and Pulmonary Function, Flow Cytometry, Fluorescent Imaging and Histology.

Intern Program: Summer Undergraduate Research Program
Intern Program URL: https://cehsweb.health.umt.edu/education/summer-programs
Description: A 10-week immersive research training program to provide undergraduates with a graduate student-like experience and preparation for submitting graduate applications and development of research skills. Goal is to accomplish a project in order to present a poster at the SOT meeting.

University of New Mexico
Biomedical Sciences Graduate Program (BSGP)
Degree(s) Offered: PhD, MS
Department: Multiple, cross-disciplinary
MSC09 5360
1 University of New Mexico
Albuquerque, NM 87131

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

Program Director: Laura Gonzalez-Bosc
Email: SOMREO@salud.unm.edu
Phone: 505. 272.1887

Program Contact: Alicia Bolt
Email: AMBolt@salud.unm.edu
Phone: 505.272.9541

Graduate program focus and areas of expertise:
The Toxicology subdiscipline within the BSGP is represented by a diverse group of junior and senior investigators with wide ranging interests, from carcinogenesis and DNA damage/repair to cardiovascular, inhalation, and immunotoxicology. Our program is supported by numerous
individual and center grants and we have strong relationships with our underserved southwestern communities to work on real-world problems.

Intern Program: Contact Alicia Bolt or Matt Campen
Intern Program URL: mcampen@salud.unm.edu
Description: We have resources to support undergrads (or gap year opportunities), but not as a formal program. Email us and we can figure it out.

University of Rochester
Toxicology PhD Training Program
Degree(s) Offered: PhD
Department: Environmental Medicine
601 Elmwood Av., Box EHSC
Rochester, NY 14642

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

Program Director: Alison Elder
Email: Alison_Elder@urmc.rochester.edu
Phone: 585.275.2324

Program Contact: Elizabeth Williams-Velasquez
Email: Elizabeth_Williams-Velasquez@urmc.rochester.edu

Graduate program focus and areas of expertise:
Our program provides training in basic and clinical research to discover how the environment affects human health and how to use this information to improve individual and community health. The main research activities of Toxicology Training Program faculty can be divided into the following seven general areas of emphasis: Cardiovascular and Pulmonary Toxicology, Immunotoxicology, Molecular Modifiers of Toxicity, Neurotoxicology, Osteotoxicology, Reproductive and Developmental Toxicology, and Stem Cells and Epigenetics.

University of South Florida College of Public Health
Environmental Health/Exposure Science/Public Health
Degree(s) Offered: BS, MPH/MS, PhD, DrPH
Department: Environmental Health
13201 Bruce B. Downs Blvd
MDC 56
Tampa, FL 33612

URL:

Program Director: Marie Bourgeois
Email: mmbourge@usf.edu
Phone: 813.787.6300

Graduate program focus and areas of expertise:
Our program looks at toxicology through the prism of public and environmental health.
University of Texas at Austin
Pharmaceutical Sciences Graduate Program
Degree(s) Offered: PhD
Department: Division of Pharmacology and Toxicology
        College of Pharmacy
        2409 University Avenue, PHR 4.220
        Austin, TX 78712

URL: https://pharmacy.utexas.edu/degrees-programs/graduate-studies

Program Director: John H. Richburg
Email: john.richburg@austin.utexas.edu
Phone: 512.471.4736

Program Contact: Katie Traughber
Email: katie.traughber@austin.utexas.edu
Phone: 512.471.6590

Graduate program focus and areas of expertise:
The University of Texas Pharmacology and Toxicology/Pharmaceutical Sciences PhD program is among the top in the country, with 16+ faculty and 30+ graduate students. With an emphasis in environmental and molecular mechanisms of health and disease, we aim to identify the mechanisms involved in disease etiology to apply this knowledge to develop improved strategies to prevent and/or treat human disorders. Our focus is on neurological, reproductive and developmental disorders, biological basis of addiction, and cancer. Our outstanding faculty have won multiple prestigious awards for their research areas and generate ~$8,000,000 per year in grant funding to support research. Our students receive a competitive stipend with paid tuition and health insurance, and they customize their coursework according to their research interests.

Do you have a summer research Internship program? Yes

University of Texas Medical Branch
Environmental Toxicology Training Program
Degree(s) Offered: PhD
Department: Department of Pharmacology and Toxicology
        University of Texas Medical Branch
        301 University Blvd
        Galveston, TX 77555

URL: http://www.utmb.edu/etox-tp;  https://gsbs.utmb.edu/

Program Director: Bill Ameredes
Email: btamered@utmb.edu
Phone: 409.772.8104

Graduate program focus and areas of expertise:
Our research training program emphasizes laboratory research to understand fundamental biological process and the mechanisms by which toxic agents adversely affect those processes. Areas of emphasis include: Research to measure human exposure to toxic agents in the environment and determine the risks from exposure on health, Research to characterize the toxic effects of specific chemicals such as medications, Risk assessments to ascertain the need for
measures to control human exposures, and Environmental management to protect the public health. Expertise and scientific themes are focused under the overarching theme of Environmentally-associated Oxidant Injury, and include four major areas: 1) pathogenesis of airway inflammation and obstruction, 2) DNA damage and repair, 3) Intracellular regulation and signaling, and 4) organ pathophysiology.

**University of Washington**
**School of Public Health**
**Degree(s) Offered:** PHD, Masters, Applied Tox, MPH
**Department:** Department of Environmental and Occupational Health Sciences
\[4225 Roosevelt Way NE\]
\[Suite 100\]
\[Seattle, WA 98105\]

**URL:** https://deohs.washington.edu/graduate-program

**Program Director:** Elaine Faustman
**Email:** faustman@uw.edu
**Phone:** 206.685.2269

**Graduate program focus and areas of expertise:**
Our Toxicology Program is within a School of Public Health and Department of Environmental and Occupational Health Sciences. This allows our program to span molecular to population health context.

**Summer research Internship program? Yes**

**Wayne State University**
**Department of Pharmacology, Environmental and Molecular Toxicology**
**Degree(s) Offered:** PhD, Masters
**Department:** Department of Pharmacology
\[540 E Canfield\]
\[6374 Scott Hall\]
\[Detroit, MI 48201\]

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

**Program Director:** Andrew Garrett
**Email:** 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 PhD 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. The MET concentration emphasizes the use of contemporary approaches, such as advanced techniques in biochemistry, cell biology, molecular biology, molecular genomics, epigenetics, bioinformatics, proteomics, and epidemiology, in problems aimed
at dissecting the mechanisms of environmentally-induced disease. MET scientists are studying intracellular signaling pathways, transcriptional regulation of gene expression, apoptosis, oxidative stress, DNA repair, epigenetic and genetic perturbations, and complex mechanisms in cell growth and differentiation that determine the environmental contribution to diseases with a rising incidence in the urban setting such as metabolic disease, cancer, immune system disturbances and mental health disorders.

Wright State University
Pharmacology & Toxicology
Degree(s) Offered: MS
Department: Pharmacology and Toxicology
   3640 Colonel Glen Hwy
   Dayton, OH 45435

URL: https://medicine.wright.edu/pharmacology-and-toxicology

Program Director: Terry Oroszi
Email: Terry.oroszi@wright.edu
Phone: 937.775.4832

Program Contact: Corinne Thaxton
Email: corinne.thaxton@wright.edu
Phone: 937.775.4091

Graduate program focus and areas of expertise:
The Department of Pharmacology and Toxicology has a distinguished history for providing the best in graduate and medical education. Our faculty is engaged in cutting-edge research spanning many areas such as dermatology, metabolism, immunology, cell biology, cancer, and cardiovascular diseases. Our curriculum is firmly rooted in the areas of leadership, research techniques, and translational medicine.

Programs listed responded to a request for information February 2022