

Molecular Toxicology

Overview

The Molecular Toxicology PhD program at UC Berkeley gives in-depth training on the foundations of toxicology as well as modern-age approaches used to study the toxicological mechanisms associated with environmental and pharmaceutical chemicals.

The Molecular Toxicology PhD program is a cross-departmental graduate program that trains the next generation of toxicologists to develop and apply innovative methodologies to identify chemical hazards and understand their toxicological mechanisms. The faculty within the Molecular Toxicology PhD program (<https://nst.berkeley.edu/people/faculty/molecular-toxicology/>) have diverse backgrounds and research interests, ranging from understanding the fundamental mechanisms of biology and disease; to characterizing toxicological mechanisms of environmental or pharmaceutical chemicals; from developing new technologies to understand chemical toxicology; to epidemiologically correlating chemical exposure to human pathologies. They span several departments and schools, including the departments of Nutritional Sciences and Toxicology, Chemistry, Molecular and Cell Biology, Plant and Microbial Biology, and the School of Public Health.

Graduate Program

Molecular Toxicology (<http://guide.berkeley.edu/archive/2023-24/graduate/degree-programs/molecular-toxicology/>): PhD