The Integrative Pharmacological Sciences Training Program (IPSTP) is designed to support 2nd and 3rd year Ph.D. Students pursuing dissertation research projects in the pharmacological sciences. Trainees and training faculty are drawn from 7 Ph.D. programs which include Biochemistry & Molecular Biology, Chemistry, Chemical Engineering & Material Sciences, Microbiology & Molecular Genetics, Neuroscience, Pharmacology & Toxicology, and Physiology. With an emphasis placed on student training in the integrative actions of drugs, trainees choose a research mentor from among 36 training faculty.

The IPSTP program is designed to provide added value to the traditional PhD programs in the participating departments. It brings together students from diverse scientific backgrounds and creates a cohesive cohort of students interested in drug development and in vivo research. IPSTP activities are specific to this cohort, allowing students to build a peer network for collaboration and support.
**Workshops and More**

- Communications and Professional Development Workshop
- Annual IPSTP Boot camps focusing on drug discovery; computational pharmacology; and in vivo pharmacology
- Annual Retreat
- Student led journal club
- Fellowship preparation workshop and mock study section
- Field trips to introduce students to nonacademic career opportunities

**Required Coursework**

- Principles of Drug-Tissue Interactions
- Cellular, Molecular, and Integrated Systems Pharmacology
- Experimental Design and Data Analysis
- One Professional development courses

**FINANCIAL AID AND BENEFITS**

IPSTP students receive stipend and tuition support for two years. Students are expected to continue to participate in program activities in the years following their funded years.

IPSTP students are eligible for travel funding to attend scientific conferences. They also receive a small grants for training related expenses.

All IPSTP mentors undergo mentor training. This ensures our students have the best research experience possible.

**About Michigan State**

Michigan State University is one of the top research institutions in the country and has a population of over 50,000 diverse students.

Located in East Lansing, MI, it offers affordable living with a small city atmosphere. Residents enjoy campus events and athletics, restaurants, museums, art festivals, and more.

MSU’s campus is in close proximity to other major Michigan cities. It is only 3 miles east of Lansing, the state capitol. Detroit, Ann Arbor, and Grand Rapids can be reached in 1 and ½ hours or less.

Michigan also offers access to the Great Lakes, national and state parks.