Ph.D. Program in Pharmacology and Toxicology, School of Medicine

Educational Goals

Cultivate pharmacology and toxicology professionals with logical analysis and independent research capabilities

Core Competencies

1. Possess professional pharmacology and toxicology knowledge and academic research capabilities.
2. Cultivate professional abilities in independent logical thinking and solving academic research problems.
3. Proficiency in English literature review, academic research expression skills, and professional academic paper writing skills 。

First year of doctoral program

Required Courses

Professional courses [credits]

Seminar（Ⅰ)[1] 1 2 3

Seminar（Ⅱ）[1] 1 2 3

Research Techniques in Pharmacology and Toxicology[3]/ 1 2 3

Research Ethics Education Online Program[0]

Second year/third year or above in doctoral program

Required Courses

Professional courses [credits]

Seminar（Ⅲ)[1]/ 1 2 3

Seminar（Ⅳ)[1]/ 1 2 3

Current Topics in Pharmacology and Toxicology[2]/ 1 2 3

Graduation Threshold

*Pass the qualification exam
*PhD thesis
*Published oral or poster papers at academic seminars inside and outside the school
*Published papers in academic journals
*Passed British inspection

Elective Courses

Pharmacology and Toxicology Knowledge Course [credits]

Special Treatise on Molecular Toxicology (1)[2]
Special Treatise on Molecular Toxicology (2)[2]
molecular toxicology[2]
Pharmacology[3]

Research Technology Courses [Credit Hours]

(School starts) Thesis writing[1]
Specific topics in pharmacological and toxicological research [1]
Research Techniques in Pharmacology and Toxicology [3]
Current Topics in Pharmacology and Toxicology Research [2]
Seminar(I)(II)(III)(IV)[4]

※Thesis writing [1]/2018 is jointly offered by the school/elective

Future career development

Further education

You can engage in postdoctoral research and further training in laboratories of schools or research institutions with expertise in pharmacology, toxicology, life sciences, medical sciences, etc.

Employment

Research institutions - Researchers at Academia Sinica/National Institutes of Health and other research institutionsSchool -teaching positionMedical institutions-professionals, R&D personnelPharmaceutical and biotechnology companies - R&D promotion personnelPublic officials - administrative or R&D personnel in government-related agencies

Start your own business

※Course name [number of credits]/core competency weight ratio chart 35% 25% 15% 10%