

Admission requirements

Master degree Program

Applicant must hold a Bachelor of Science or equivalent qualification with the GPA of 2.5 or above.

Doctor of Philosophy Program

Program 1: Thesis only

Applicant must hold a degree or be in the final semester in a Master of Science in Pharmacology with the GPA of 3.5 or above. The Program requires thesis work of no less than 48 credits without coursework.

Program 2: Coursework and Thesis

2.1 Applicant must hold a degree or be in the final semester in a Master of Science in Pharmacology or related fields with the GPA of 3.5 or above. The Program requires thesis work of no less than 36 credits and with course works of no less than 12 credits.

2.2 Applicant must hold a Bachelor degree in Medicine, Pharmacy, Dentistry, Veterinary, Nursing, Associated Medical Sciences, Public Health, or related subjects with the GPA of 3.25 or above. The Program requires thesis work of no less than 48 credits and with course works of no less than 24 credits.

Scholarship/Funding

- Postgraduate scholarships from Faculty of Medicine
- Postgraduate scholarships from Graduate School
- Royal Golden Jubilee PhD Program
- Postgraduate scholarships for international students (PSIS)
- Teaching assistantship
- Research assistantship from LFCRC, CVRG, etc.

Career Path

Graduates from Pharmacology program are able to work in academic/research institutes or work in private sectors as a lecturer, researcher, clinical research monitor or product specialist/manager in pharmaceutical companies.

Contact Information:

Chairman of the Postgraduate Study Committee
or the Head of the Department of Pharmacology,
Faculty of Medicine, Khon Kaen University,
Khon Kaen, Thailand 40002.

Phone: +66-4334-8397

Website: <http://pharmacology.md.kku.ac.th>



GRADUATE PROGRAMS

in PHARMACOLOGY Ph.D. & M.Sc.

Department of Pharmacology Faculty of Medicine



KHON KAEN UNIVERSITY,
THAILAND

<http://pharmacology.md.kku.ac.th/>

Graduate Programs in Pharmacology (MSc& PhD)

Program Overview

The graduate program in Pharmacology has commenced since 1991. The program has supplied highly qualified academics to place in various academic institutes and business bodies around the country. The program emphasizes graduates to be knowledgeable in drug and chemical actions on biological systems and develops a critical thinking with life-long self-directed learning.

Program Philosophy

PhD: Students acquire analytical and critical thinking capabilities and ability to initiate innovative research in pharmacology, toxicology and related fields, disseminate new knowledge internationally and develop self-sustainable learning

MSc: Students acquire knowledge in drug and chemical actions and capability in performing research in pharmacology and related fields and create high quality research.

Academic Staff

- Prof Veerapol Kukongviriyapan PhD
- Prof Wichitra Tassaneeyakul PhD
- Assoc Prof Bunkerd Kongyingyoes Dr rernat
- Assoc Prof Jintana Sattayasai PhD
- Assoc Prof Patchareewan Pannangpetch PhD
- Assoc Prof Suda Vannaprasaht MD
- Asst Prof Auemduan Prawan PhD
- Asst Prof Dhanu Gaysonsiri MD
- Asst Prof Kutcharin Phunikhom MD, PhD
- Asst Prof Laddawan Senggunprai PhD
- Asst Prof Panot Tangsucharit PhD
- Asst Prof Sirimas Kanjanawart PhD
- Asst Prof Siriporn Tiamkao MD
- Nitsupa Wattanachai PhD
- Nontaya Nakkam PhD
- Sarinya Kongpetch PhD



Research of Interests

Pharmacogenomics/Pharmacokinetics

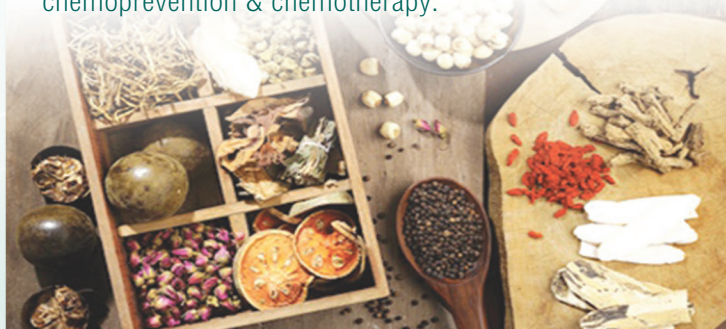
Study of various genes that involved or associate with drug responses (such as response to immunosuppressants, antifungal agents and anticoagulants) and adverse drug reactions (such as severe cutaneous adverse drug reactions, hematotoxicity, renal and hepatotoxicity). Finding genetic markers for prediction of drug response/toxicity and drug hypersensitivity.

Study of factors that involved in the pharmacokinetics of therapeutic agents and herbal medicines

Targeting on Molecular Pathways in Cancer

Study of the strategy to treat and overcome resistance to chemotherapy in cancers particularly cholangiocarcinoma, with emphasis on potential molecular pathways such as antioxidant system Nrf2, retinoic acid, genomic maintenance-cell cycle control and inflammation-associated signaling cascades.

Study of the effect of antioxidant, anti-inflammatory and cytoprotective effects of dietary phytochemicals as chemoprevention & chemotherapy.



Research of Interests

Neuropharmacology

Study pharmacological potential and biochemical/molecular mechanisms of synthetic substances, medicinal herbs and nutraceutical products for the treatment of neurodegenerative diseases and neuropsychiatric disorders such as antidepressant, anticonvulsant, antipsychotic and anti-Alzheimer, etc. using both in vitro and in vivo models in experimental animals and clinical study in human.

Diabetes, Metabolic Syndrome and Cardiovascular diseases

Study pharmacological potential and biochemical/molecular mechanisms of synthetic substances, medicinal herbs and nutraceutical products for the treatment of Diabetes Metabolic Syndrome and Cardiovascular diseases using isolated organs (i.e. mesenteric vascular bed) and several animal models (i.e. metabolic syndrome, DM and hypertension).

