

Strategic research on natural products and herbs for brain and cognitive functions

รศ.ดร.จินตนาภรณ์ วัฒนธร

Associate Professor Dr. Jintanaporn Wattanathorn

ศูนย์วิจัยและพัฒนาการแพทย์ทางเลือกแบบบูรณาการ มหาวิทยาลัยขอนแก่น และภาควิชาสรีรวิทยา

คณะแพทยศาสตร์ มหาวิทยาลัยขอนแก่น

Email. jinwat05@gmail.com; jintanapornw@yahoo.com

Currently, the prevalence of neuropsychological disorders has increased. The therapeutic and preventive strategies which are safe, cheap and easy to approach are still very much essential. Herbs are widely used in traditionally folklore for treating various ailments. However, one important burden for the implementation of herbal medicine in the main health care system of the country is the limitation of supported evidence. Therefore, the scientific researches which focus on the quality control of the product, safety consumption and the efficacy of herbal products are emphasized. At present, the development of herbal health products for enhancing the function of the nervous system and for treating the neuropsychological disorders has gained much attention. Under the current international guideline, the development of herbal products requires both preclinical and clinical studies. All steps should be performed according to the standard guidelines of various types of herbal products. For the modified herbal medicines, the toxicity study is very much essential. In order to assess the pharmacological effect of the product, numerous steps are required. In brief, target should be identified and validated. Once a target has been chosen, molecules which possess suitable characteristics to make acceptable drugs or the possible active ingredient(s) should be identified. The pharmacokinetic study which focus on “ADME”, in vivo pharmacological study and drug interaction study are very much important before moving forward to clinical study.

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Development of Research Strategies for Brain Mind and Behavior

ประวัติวิทยากร

ชื่อ-สกุล (ยศและตำแหน่ง)

ภาษาไทย รองศาสตราจารย์ จินตนาภรณ์ วัฒนธร

ภาษาอังกฤษ Associate Professor Jintanaporn Wattanathorn

ตำแหน่งในปัจจุบัน ผู้อำนวยการศูนย์วิจัยและพัฒนาการแพทย์
ทางเลือกแบบบูรณาการ มหาวิทยาลัยขอนแก่น



สถานที่ทำงาน ภาควิชาสรีรวิทยา คณะแพทยศาสตร์ มหาวิทยาลัยขอนแก่น

เบอร์โทรศัพท์ติดต่อ 0-4334-8394 โทรสาร 0-4334-8394

มือถือ 081-8721809 e-mail jintanapornw@yahoo.com; jinwat05@gmail.com

ประวัติการศึกษา

Ph.D (Neuroscience) (Honor GPA 4.0) Mahidol University (1994)

ผลงานเด่นทางวิชาการ การวิจัย การบริการ การบริหาร และอื่นๆ

Honors and Awards:

Award- Winning Presentation at “Regional Research Expo 2013”, the National Research Council of Thailand

Award-Winning Presentation North Eastern Neuroscience Association

Award for “Good Ethical Teacher” for Preclinical Teacher, Phisit-Natechaleaw Foundation

Excellent Academic Award Education: Ph.D. (Neuroscience)Mahidol University

Current Position

Subcommittee of the Complementary Alternative Medicine Department, Ministry of Public Health, for selecting the herb-drugs

Director of Integrative Complementary Alternative Medicine Research and Development Center, Khon Kaen University, Khon Kaen, Thailand

Head of Physiology Department, Khon Kaen University, Khon Kaen, Thailand

Vice President of Neuroscience Program, Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand

Publications

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