

CURRICULUM VITAE

Personal Details

Name: Krittiyabhorn Kongtanawanich

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Date of Birth: December 14th, 1992



Education Background

2011- 2016

First-class honors in Doctor of Pharmacy (Pharm.D.)

School of Pharmacy, Walailak University,
Nakhon Si Thammarat, Thailand.

GPAX 3.59/4.00

2018 – present

Ph.D. program in System Pharmacology and New Drug Development,
Department of Pharmacology, Faculty of Medicine Siriraj Hospital,
Mahidol University, Bangkok, Thailand.

Scholarship:

- Pharm.D accomplished by the Royal Scholarship from Professor Dr. Her Royal Highness Princess Chulabhorn, via the Chulabhorn Foundation.
- Ph.D. scholarships were supported by The Royal Golden Jubilee Ph.D. Program (RGJ-Ph.D. Program) and the Royal Scholarship from Professor Dr. Her Royal Highness Princess Chulabhorn, via the Chulabhorn Foundation.
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Award

2021

- **The Best Poster Presentation Award presented** on the topic “Differentiation potential of cholangiocarcinoma stem cells evaluated by live-biosensor” at The 42nd Pharmacological and Therapeutic Society of Thailand Meeting "Precision Medicine from Research to Clinical implementations" during May 19-21, 2021
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Other Activities/Experiences

Pharmacy Internship:

2016

- Thai Nakorn Patana Company Limited, Nonthaburi, Thailand.
- Queen Saovabha Memorial Institute, Bangkok, Thailand.

- Thai Herbal research and development center, Huai Yot Hospital, Trang, Thailand.
- Thasala Hospital, Nakhon Si Thammarat, Thailand.
- Office of The Consumer Protection, Nakhon Si Thammarat Health Provincial Office, Nakhon Si Thammarat, Thailand.

2015

- Kedsinee Drugstore, Nakhon Si Thammarat, Thailand. (April to June 2015)
- Maharaj Nakhon Si Thammarat Hospital, Nakhon Si Thammarat, Thailand.

Special Experiences:

2017

- Participated in 1st Cancer Precision Medicine Academic Conference 2017 by Precision Medicine for Cancer Project under the health cluster, Research University Network (RUN), Thailand at Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand.

2015

- Project Construction of genome library of *Streptomyces* sp. KB1 under the direction of Asst. Prof.Dr. Apichart Atipairin.
- Project Analytical Method Validation for Determination of quinine sulfate in extemporaneous oral suspension under the direction of Asst. Prof. Dr. Apichart Atipairin.
- Project Stability of extemporaneous quinine sulfate oral suspension under the direction of Asst. Prof. Dr. Apichart Atipairin.

2014

- Trained in Good Clinical Practice (GCP) at Walailak University, Thasala, Nakhon Si Thammarat, Thailand.
- Participated in The 6th Walailak Research National Conference at Technology and Innovation Building, Walailak University, Thasala, Nakhon Si Thammarat.
- Trained “X-ray diffraction analysis of protein crystals training” by Synchrotron Light Research Institute (public organization) at the Faculty of Pharmaceutical Sciences, Prince of Songkla University, Hat Yai, Songkhla, Thailand.
- Participated in the 7th AOHUPO (Asia Oceania Human Proteome Organization) Congress and the 9th International Symposium of the Protein Society of Thailand, Bangkok, Thailand.
- Project Enhanced Sildenafil solubility by solid dispersion under the direction of Assoc. Prof. Dr. Apichart Atipairin.
- Practiced in the Center of Excellence in Molecular Genetics of Cancer and Human Diseases at the Faculty of Medicine, Chulalongkorn University, Thailand for 1 month under the direction of Prof. Dr. Apiwat Mutirangura. (July to August 2014)

2013

- Observed in the Laboratory of Biochemistry at Chulabhorn Research Institute, Thailand under the direction of Prof. Dr. M.R. Jisnusun Svasti and Dr.Kriengsak Lirdprapamongkol.

2012 – 2014

- Practiced natural products research at the Utilization of Natural Products Research Unit at Walailak University under the direction of Asst. Prof. Dr. Worrapong Phupong.

Conference Presentations:

Poster Presentations

2024 Kongtanawanich K, Jamnongsong S, Sampattavanich S, Wattanapanitch M, Jirawatnotai S. Analyzing Anchorage-Independent Tumorigenesis of the Live Cholangiocarcinoma Stem Cell Biosensor Using High-Throughput Imaging and Computational Pipelines. The 45th International Meeting of the Pharmacological and Therapeutic Society of Thailand "Innovations and Translations in Pharmacology"; 2024 May 15-17; Bangkok, Thailand.

2022

- Kongtanawanich K, Wattanapanitch M, Jirawatnotai S. Live-biosensor identified subpopulations of cholangiocarcinoma cell lines that contain cancer stem cell properties. The Cholangiocarcinoma Foundation's Annual Conference 2022; 2022 February 23-25; Utah, USA (online).

2016

- Songnaka N, Kongtanawanich K, Lertcanawanichakul M, Atipairin A. Construction of genomic library of *Streptomyces* sp. KB1. The 4th Current Drug Development (CDD) International Conference; 2016 June 1-3; Phuket, Thailand.
- Mitchuayrod A, Puthhai M, Bannakit K, Ruksritong W, Pongthai P, Kongtanawanich K, Anakgarnjana S, Atipairin A. Analytical Method Validation for Determination of quinine sulfate in extemporaneous oral suspension. The 4th Current Drug Development (CDD) International Conference; 2016 June 1-3; Phuket, Thailand.

Oral Presentations

2021

- Kongtanawanich K, Wattanapanitch M, Jirawatnotai S. Differentiation potential of cholangiocarcinoma stem cells evaluated by live-biosensor. The 42nd Pharmacological and Therapeutic Society of Thailand Meeting "Precision Medicine from Research to Clinical implementations"; 2021 May 19-21; Faculty of Medicine, Khon Khan University (Online).

2016

- Atipairin A, Mitchuayrod A, Puthhai M, Bannakit K, Ruksritong W, Pongthai P, **Kongtanawanich K**, Anakgarnjana S. Stability of extemporaneous quinine sulfate oral suspension. The 8th Walailak Research National Conference; 2016 July 7-8; Nakhon Si Thammarat, Thailand.

Literature

2015

- **Kongtanawanich K**. Pharmacy Student's Dream. in: Muangchana C, editor. Ideal Vaccine. 7th Thailand Vaccine Conference; 2015 July 7-9; Bangkok, Thailand. Nonthaburi: National Vaccine Institute; 2015. p. 20.

Training

- Computational biology training:
 - o Galaxy Training Network:
 - Reference-based RNA-Seq data analysis
 - Epigenetics (ATAC-Seq)
 - o Master Real-World Bioinformatics Analysis in R by Ming "Tommy" Tang
 - o Fundamentals of Data Science in Precision Medicine and Cloud Computing by Department of Genetics, Stanford Medicine, Stanford University

Other Skills

Languages:

Thai (Native language)
English (Proficient)

Interest

Social Activities:

- Initiator and administrator of “Exercise Mania Patients”, an online group of Thai patients on Facebook since 2018 who are interested in physical activities. Now the group has around 800 members.
- Initiator and administrator of “NO CANCER THAILAND: cz cancer research is sophisticated”, a Facebook page that provides scientific information about cancer for the layperson, our aim is to help Thai people understand the biology of cancer and cancer precision medicine in the simplest way and reduce misconceptions.

Hobbies:

- Music: Flute, Cello
- Chairperson of Walailak University Ensemble Committee in academic year 2015
 - Flutist and conductor in Walailak University Ensemble

Sports: Basketball, badminton, running, climbing, and riding a bicycle

- 2 times Audax 200 Brevets Randonneurs Mondiaux by achieving 200 km riding at Trang and Ayutthaya, organized by Audax Randonneurs Thailand, certified by Audax Club Parisien.