CHANTRA KAMNERDNOND

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I am currently a Ph.D. student in Biomedical Sciences (International Program) at the Faculty of Medicine Siriraj Hospital, Mahidol University. My research focuses on the role of cancer-associated fibroblast (CAF)-derived galectin-1 in mediating immunosuppression in immune checkpoint inhibitor–resistant non-small cell lung cancer, with an emphasis on the tumor microenvironment and translational applications. I previously completed my M.Sc. in Pathobiology at Mahidol University, where I investigated the anti-angiogenic effects of quercetin in colorectal cancer. I also have experience in laboratory research, personalized cancer diagnostics, and research ethics coordination. My research interests center on translating fundamental findings into clinically relevant strategies.

CURRENT EDUCATION

AUGUST 2023 - PRESENT
3rd Year of studying Doctoral degree in BIOMEDICAL SCIENCE (INTERNATIONAL PROGRAM),
FACULTY OF MEDICINE SIRIRAJ HOSPITAL, MAHIDOL UNIVERSITY

Student ID 6636315 SIBS/D

Received Scholarship
2023 Siriraj Graduate Scholarship (Type 1, 4th Round)
2024 Siriraj Graduate Scholarship (Type 2)

AUC-GPA 4.00

Thesis title Immunosuppressive role of CAF-derived galectin-1 in immune checkpoint inhibitor resistant NSCLC

BACKGROUND EDUCATION

JANUARY 2021
M.SC. PATHOBIOLOGY (INTERNATIONAL PROGRAM), MAHIDOL UNIVERSITY
Thesis Quercetin from onion peel extract inhibits colorectal cancer-induced angiogenesis.
Scholarship Teaching assistant from Faculty of Graduation Mahidol University, Partial grants from Graduate Studies of Mahidol University Alumni Association
Publication Uttarawichien T, Kamnerdnond C, Inwisai T, Suwannalert P, Sibmooh N, and Payuhakrit W. Quercetin inhibits colorectal cancer cells induced-angiogenesis in both colorectal cancer cell and endothelial cell through downregulation of VEGF-A/VEGFR2. Sci. Pharm. 2021, 89, 23.
GPA 3.81

FEBRUARY 2005
B.SC. MEDICAL TECHNOLOGY, CHULALONGKORN UNIVERSITY
Thesis Using green pit viper venom for coagulation study.
Publication Soogarun S., Chiowbamrungkiat M, Lertlum T, Prandiwat P, Jarujaron S, Palasuwan A, Jitprommetta W and Kamnernond C. Does green pit viper (*Trimeresurus alborabis*) venom act against antithrombin III? *Haema* 2005: 8(3): 532-3.
GPA 2.87

WORK EXPERIENCE

FEBRUARY 2021 – MAY 2023
MFU EC STAFF,
RESEARCH ADMINISTRATION DIVISION, MAE FAH LUANG UNIVERSITY
Coordinating with principal investigators (PIs) and MFU EC committee for the whole process of full board meeting considerations in human research. Being a consultant for foreign PIs for proper document preparation prior to submission. Collaborated with team, committee, as well as associated personnels in the operation to obtain international standard accreditation from SIDCER-FERCAP which has been accomplished in 2022.

JULY 2018 – DECEMBER 2020
ENGLISH AND SCIENCE TUTOR,
SAYYES WISE LANGUAGE SCHOOL
Teaching the private classes of English or Science for Primary school students with different specific purposes.

JANUARY 2010 – MAY 2017
SCIENTIST,
MEDICAL SCIENCE LABORATORY, MAE FAH LUANG UNIVERSITY
Coordinating with lecturers, preparing, and supporting laboratory classes for Health science, Medicine and Nursing undergraduate students. Responsible for other assigned duties e.g. taking care of department's scientific instrument, setting laboratory classes schedule for each semester and being a working crew member of the department or university's activities.

FEBRUARY 2007 – NOVEMBER 2009
MEDICAL TECHNOLOGIST & APPLICATION SPECIALIST,
BANGKOK ONCOSERV CO., LTD. & BECTHAI CO., LTD.
Medical technologist Personalized medicine for cancer patients by testing *in-vitro* drugs susceptibility test with cancer cells derived from patients' tumor biopsies.
Application specialist Giving advice about medical science involved products to the customers.

JANUARY 2006 – JANUARY 2007
RESEARCH ASSISTANT,
STEM CELL RESEARCH LAB, FACULTY OF MEDICINE, CHULALONGKORN UNIVERSITY
Trial on limbal stem cell culture condition finding for the purpose of patient transplantation in the future.