

Nutta ladsee

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Education

Ph.D student in Medical Biochemistry

2023-Present

Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand

Thesis: Integrative gut microbiome and metabolome profiles in patients with chronic liver diseases

Master of Science in Medical Microbiology

2018-2021

Faculty of Graduate School, Chulalongkorn University, Bangkok, Thailand, GPA 3.93

Thesis: A comparative study of gut microbiota in the healthy elderly and the elderly with colorectal cancer

Bachelor of Science in Microbiology

2014-2018

Faculty of Science, Khon Kaen University, Khon Kaen, Thailand, GPA 3.49 (Second-Class Honors)

Thesis: Isolation and Characterization of Heavy Metal Resistant Bacteria

Employment

Research Assistant

2021-2022

Research Division, SiMR, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand.

- Responsible for data analysis of DNA methylation obtained from Infinium 450/850K array, including statistical analysis and data visualization using R programming language
- Reviewed relevant literatures and datasets from GEO/TCGA database
- Prepared the results for national research presentation, and international publication
- Performed laboratory experiments i.e., DNA extraction, Qubit assay, qPCR
- Coordinated and proceeded the assigned projects

Scholarship

The Royal Golden Jubilee Ph.D. scholarship (RGJ-PhD)

2023-Present

The Second Century Fund (C2F), Chulalongkorn University

2023-Present

The Scholarship from the Graduate School, Chulalongkorn University

2018-2020

to commemorate the 72nd anniversary of his Majesty King Bhumibol Aduladej

Internship

Region Medical Science Center 7 Khon Kaen

2017

Microbiology laboratory in section of quality control service in food and beverage products

Research Skills

- Molecular technique: PCR, qPCR, DNA extraction, gene cloning
- Sample collection: clinical specimens, soil and natural water source
- Microbiology technique: bacterial cell culture, biochemical test, aseptic technique

- Microbiome data analysis : community profiling and comparative analysis by MicrobiomeAnalyst (web-based platform)
- Data analysis: R programming, SPSS software, GraphPad software

Conferences

Thailand Research Expo & Symposium 2022

Aug 2022

Title: Epigenome-wide analysis reveals a panel of DNA methylation biomarkers for lung adenocarcinoma

The 17th National Kasetsart University Kamphaeng Saen Conference

Dec 2020

Title: Quantitative profiling of colorectal cancer-associated Bacteria in Thai population

Publications

1. **Iadsee N**, Chuaypen N, Techawiwattanaboon T, Jinato T, Patcharatrakul T, Malakorn S, Petchlorlian A, Praditpornsilpa K, Patarakul K. Identification of a novel gut microbiota signature associated with colorectal cancer in Thai population. *Sci Rep.* 2023 Apr 24;13(1):6702.
2. Saeliw T, Permpoon T, **Iadsee N**, Tencomnao T, Hu VW, Sarachana T, et al. LINE-1 and Alu methylation signatures in autism spectrum disorder and their associations with the expression of autism-related genes. *Sci Rep.* 2022;12(1):13970.
3. Techawiwattanaboon T, Courant T, Brunner L, Sathean-Anan-Kun S, Krangvichian P, **Iadsee N**, et al. Designing Adjuvant Formulations to Promote Immunogenicity and Protective Efficacy of Leptospira Immunoglobulin-Like Protein A Subunit Vaccine. *Front Cell Infect Microbiol.* 2022;12:918629.