

Baralee Punyawudho, Ph.D.

Email : baralee.p@cmu.ac.th

Present Position:

Assistant Professor
Department of Pharmaceutical Care
Faculty of Pharmacy
Chiang Mai University

Office address:

Department of Pharmaceutical Care
Faculty of Pharmacy
Chiang Mai University
Chiang Mai, Thailand 50200

Education:

2003 - 2008	Ph.D. Department of Experimental and Clinical Pharmacology College of Pharmacy, The University of Minnesota, Minneapolis, Minnesota, USA Dissertation title: Pharmacometrics of Antiepileptic Drugs: Modeling and Simulation-Based Studies of Lamotrigine and Carbamazepine Pharmacokinetics Advisor: Professor Angela K Birnbaum, Ph.D.
1993 -1998	B.Sc. in Pharmacy (Second Class Honors) Faculty of Pharmaceutical Sciences Chulalongkorn University Bangkok, Thailand

Experiences:

- Lecturer (2008-2014)
Department of Pharmacy Practice
Faculty of Pharmaceutical Sciences, Chulalongkorn University
Bangkok, Thailand
- Research Assistant (2004-2008)
Epilepsy Research and Education Program
Department of Experimental and Clinical Pharmacology
College of Pharmacy,
The University of Minnesota
- WinNonlin Hands-on Training (September, 2007)
Burbank, CA, USA
- Teaching assistant
College of Pharmacy, The University of Minnesota
PHAR 6123: Pharmacotherapy III (Spring 2003)
PHAR 6181: Pharm.D. Paper and Seminar (Fall 2003)
- Pharmacist (1998-2000)
Pharmacy Department
Health Center 61th of Bangkok Metropolitan

Awards and Honors:

- The “Best Poster Presentation Award”, the 10th annual Thailand Research Fund (TRF) meeting, 16-18 October 2013. Cha-am, Petchburi, Thailand
- The Thai Royal Government Scholarship (2003-2008)
- Second Class Honors, B.Sc. in Pharmacy (1998)

Selected Publications:

- Punyawudho B, Thammajaruk N, Thongpeang P, Matthews G, Lewin SR, Burger D, Ruxruntham K, Avihingsanon A. **Population pharmacokinetics of tenofovir in HIV/HBV co-infected patients.** Int J Clin Pharmacol Ther. 2015 Nov;53(11):947-54.
- Rungtivasuwan K, Avihingsanon A, Thammajaruk N, Mitruk S, Burger DM, Ruxruntham K, Punyawudho B, Pengsuparp T. **The influence of ABCC2 and ABCC4 polymorphisms on tenofovir plasma concentrations in Thai HIV-infected patients.** Antimicrob Agents Chemother. 2015 Jun;59(6):3240-5 (Co-corresponding author)

- Avihingsanon A, Tongkobpetch S, Kerr SJ, Punyawudho B, Suphapeetiporn K, Gorowara M, Ruxrungtham K, Shotelersuk V. **Pharmacogenetic testing can identify patients taking atazanavir at risk for hyperbilirubinaemia.** J Acquir Immune Defic Syndr. 2015 May 1;69(1):e36-7.

- Kerr S[#], Punyawudho B[#], Thammajarak N, Colbers A, Chaiyahong P, Phonphithak S, Sapsirisavat V, Ruxrungtham K, Burger DM, Avihingsanon A., **Factors associated with Daily Tenofovir Exposure in Thai Subjects taking Combination Antiretroviral Therapy.** AIDS Res Hum Retroviruses. 2015 Apr;31(4):368-74. (# These authors contributed equally to this work)

- Wattanakul T, Avihingsanon A, Manosuthi W, Punyawudho B. **Population pharmacokinetics of nevirapine in Thai HIV-infected patients.** Antivir Ther. 2014;19(7):651-60.

- Avihingsanon A, Kerr SJ, Punyawudho B, van der Lugt J, Gorowara M, Ananworanich J, Lange JM, Cooper DA, Phanuphak P, Burger DM, Ruxrungtham K. **Short communication: Aging not gender is associated with high atazanavir plasma concentrations in Asian HIV-infected patients.** AIDS Res Hum Retroviruses. 2013; Dec; 29(12):1541-6

- Singkham N, Towanabut S, Lertkachatarn S, Punyawudho B, **Influence of the UGT 2B7-161 C>T polymorphism on the population pharmacokinetics of lamotrigine in Thai patients.** Eur J Clin Pharmacol. 2013; June 69 (6):1285-91

- Punyawudho B, Ramsay ER, Brundage RC, Macias FM, Collins JF, Birnbaum AK, **Population Pharmacokinetics of carbamazepine in elderly patients.** Ther Drug Monit. 2012; 34(2):176-81.

- Punyawudho B, Lertdumrongluk P, Somparn P, Kittanamongkolchai W, Traitanon O, Avihingsanon Y, Vadcharavivad S, **Population Pharmacokinetics of Mycophenolate Mofetil in Thai Lupus Nephritis Patients,** Int J Clin Pharmacol Ther. 2012; 50(4):272-80.

- Punyawudho B, Cloyd JC, Leppik IE, Ramsay RE, Marino SE, Pennell PB, White JR, Birnbaum AK, **Characterization of the time course of carbamazepine deinduction by enzyme turnover model,** Clin Pharmacokinet 2009;48(5):313-320

- Punyawudho B, Ramsay RE, Macias FM, Rowan AJ, Collins JF, Brundage RC, Birnbaum AK, **Population Pharmacokinetics of Lamotrigine in Elderly Patients,** J Clin Pharmacol 2008; 48(4): 455-463

Reviewer:

- Reviewer: Pharmacogenetics and Genomics
Editors: M. Schwab (Dr Margarete Fischer-Bosch-Institut, Germany) and M.J. Ratain (Cancer Research Center, The University of Chicago, Chicago, IL, USA).
ISSN 1744-6872.

- Reviewer: Pharmacogenomics
Editors: Julio Licinio, MD
ISSN 1470-269X

Professional License:

- Licensed to practice as a pharmacist in Thailand