

DOUNGKAMOL ALONGKRONRUSMEE

575 Stadium Mall Drive, West Lafayette, IN 47907

(765) 494-6564 | dalongkr@purdue.edu

Education

2013-present Ph.D. Candidate, Medicinal Chemistry & Molecular Pharmacology, Purdue University – West Lafayette, IN
 2011-2013 Master of Science, Pharmacology, Rush University – Chicago, IL
 2011 Pre-pharmacy, Joliet Junior College – Joliet, IL
 2005-2010 Bachelor of Science, Pharmacy, Chulalongkorn University – Bangkok, Thailand

Research Experience

2013-present Graduate Research Assistant, Purdue University (Advisor: Dr. Richard M. van Rijn)
Thesis title: Identification of novel therapeutic targets for chronic pain

2011-2013 Graduate Research Assistant, Rush University (Advisor Dr. Animesh Barua)
Thesis title: Expression of GRP-78 by ovarian tumors in laying hen model of spontaneous ovarian cancer and effect of dietary supplement Ashwagandha on expression of GRP-78

2005-2010 Undergraduate Research Assistant, Chulalongkorn University (Advisor Dr. Tanattha Kittisopee)
Project title: Cost analysis of undergraduate program of Faculty of Pharmaceutical Sciences, Chulalongkorn University, 2009
Project title: Ganaxolone: a neuroactive steroid with antiepileptic activity

Teaching & Mentoring Experience

2014-present Graduate Mentor, Purdue University
 2015 Instructor, Organic Chemistry II Laboratory, Purdue University
 2013 Graduate Teaching Assistant, Integrated Pharmacotherapy III, Purdue University
 2010-2013 Mathematics Instructor, Watbuddhadhamma (Meditation Center) – Chicago, IL
 2012-2013 Tutor, Introduction to Pharmacology & Physiology, Rush University

Professional Experience

2009 Product Specialist Intern, Novartis (Thailand) Limited – Bangkok, Thailand
 2008-2009 Hospital Pharmacist Intern,
 Nongki Hospital – Buriram, Thailand
 Siriraj General Hospital – Bangkok, Thailand
 Bangkok Health Center – Bangkok, Thailand

Publications

1. **Alongkronrusmee D**, Chiang T, van Rijn RM (2016). Involvement of delta opioid receptors in alcohol withdrawal-induced mechanical allodynia in male C57BL/6 mice. *Drug Alcohol Depend.* 2016 Oct 1;167:190-8.
2. **Alongkronrusmee D**, Chiang T, van Rijn RM (2016). Delta opioid pharmacology in relation to alcohol behaviors. *Handb Exp Pharmacol.* 2016 Jun 18.
3. Brust TF, **Alongkronrusmee D**, Soto-Velasquez M, Baldwin TA, Ye Z, Dai M, Dessauer CW, van Rijn RM, Watts VJ. Identification of a selective small-molecule inhibitor of type 1 adenylyl cyclase activity with analgesic properties. *Sci Signal.* 2017 Feb 21;10(467).
4. Zeng L, **Alongkronrusmee D**, van Rijn RM. An integrated perspective on diabetic, alcoholic, and drug-induced neuropathy, etiology, and treatment in the US. *J Pain Res.* 2017 Jan 20;10:219-228.
5. **Alongkronrusmee D**, Ghomi HT, Tang S, Lill MA, van Rijn RM. Identification of a novel interaction site of the delta-mu opioid receptor heteromers (*in final preparation*).
6. **Alongkronrusmee D**, van Rijn RM, Watts VJ. Receptor-receptor interactions in the brain. Chapter contribution to a Springer protocols (Neuromethods) book (*in preparation*).
7. Robins MT, Chiang T, **Alongkronrusmee D**, van Rijn RM. Gi-protein biased signaling in the dorsal striatum is sufficient to reduce alcohol intake in C57BL/6 mice (*in preparation*).

Poster Presentations

1. **Alongkronrusmee D**, Ghomi HT, Tang S, Lill MA, van Rijn RM. Identification of a novel interaction site of the delta-mu opioid receptor heteromers,
The International Narcotics Research Conference – Chicago, IL, 2017
Interdisciplinary Graduate Programs, Purdue University, 2017
Indianapolis Chapter of the Society for Neuroscience Annual Conference – Indianapolis, IN, 2017
Health & Disease Poster Session, Purdue University, 2017
Sigma Xi Graduate Student Research Awards Competition Poster Session, Purdue University, 2017
Jenkins-Knevel & Kienly Awards Symposium, Purdue University, 2016
3rd Midwest Membrane Trafficking & Signaling Symposium, Purdue University, 2016
17th Annual Great Lakes GPCR Retreat – Chicago, IL, 2016
Hitchhiker’s Guide to the Biomolecular Galaxy Symposium, Purdue University, 2016
Experimental Biology – San Diego, CA, 2016
2. **Alongkronrusmee D**, Chiang T, van Rijn RM. Involvement of delta opioid receptors in alcohol withdrawal-induced mechanical allodynia in male C57BL/6 mice,
Health & Disease Poster Session, Purdue University, 2016
Indianapolis Chapter of the Society for Neuroscience Annual Conference – Indianapolis, IN, 2016
Sigma Xi Graduate Student Research Awards Competition Poster Session, Purdue University, 2016
Jenkins-Knevel & Kienly Awards Symposium, Purdue University, 2015
Society for Neuroscience Annual Meeting – Chicago, IL, 2015
The International Narcotics Research Conference – Phoenix, AZ, 2015
Interdisciplinary Graduate Programs, Purdue University, 2015
3. **Alongkronrusmee D**, Bitterman P, Abramowicz JS, Bahr JM, Basu S, Grasso S, Sharma S, Rotmensch J, Barua A. GRP-78 in association with VEGFR-2 detects early-stage ovarian cancer. American Association for Cancer Research Meeting – Washington, DC, 2013

Oral Presentations

1. **Alongkronrusmee D** and van Rijn RM. Drug abuse trends associated with chronic pain treatment. Pharmacy Women for Purdue Spring Conference, Purdue University, 2017 (*invited talk*)
2. **Alongkronrusmee D**. Delta opioid receptor and adenylyl cyclase type I: novel therapeutic targets for chronic pain. Jenkins-Knevel & Kienly Awards Symposium, Purdue University, 2016
3. **Alongkronrusmee D**. The role of chemokine CXCL12/CXCR4 and mitogen-activated protein kinase signaling in type 1 diabetic neuropathy. Preliminary Defense, Purdue University, 2015
4. **Alongkronrusmee D**. Oxidative stress promotes tumor growth via enhanced expression of pyruvate kinase M2 and lactate dehydrogenase in cancer-associated fibroblasts. Medicinal Chemistry & Molecular Pharmacology Department Seminar, Purdue University, 2014
5. **Alongkronrusmee D**. Association of GRP-78 with ovarian cancer development and progression. Master’s Thesis Defense, Rush University, 2013
6. **Alongkronrusmee D**. Limitations of animal models of Parkinson’s disease. Pharmacology Department Seminar, Rush University, 2012

Awards/Honors/Certifications

2017	3 rd place for Health & Disease Poster Session, Purdue University
2017	1 st place for Sigma Xi Graduate Student Research Awards Competition Poster Session, Purdue University
2017	Chaney Graduate Student Travel Award, Purdue University
2016	Jenkins-Knevel Award for Outstanding Graduate Research, Purdue University
2016	Certificate of Achievement, Applied Management Principles Program, Purdue University
2016	Finalist in the ASPET Molecular Pharmacology Division Best Poster Presentation Award
2016	Purdue Graduate Student Government Travel Grant, Purdue University
2015	Travel Award, The International Narcotics Research Conference
2012	Good Laboratory Practices Certification, Rush University
2010	Pharmacist License, The Thailand Pharmacy Council

2010 First Class Honors, Bachelor of Science in Pharmacy, Chulalongkorn University
2009 Certificate of Achievement, Internship Program, Novartis (Thailand) Limited
2009 Certificate of Achievement, Pharmacy Section, Siriraj General Hospital

Professional Memberships

2016-present American Society for Pharmacology and Experimental Therapeutics (ASPET)
2015-present Society for Neuroscience (SfN)
2015-present International Narcotics Research Conference (INRC)

Academic Service

2016-present Volunteer, Science in Schools, Purdue University
2012-2013 Committee, Graduate College Student Council, Rush University
2012 Volunteer, International Student's Day Celebration, Rush University
2009-2010 President of Academic Affairs, Pharmacy Student Council, Chulalongkorn University
2008 Academic Staff, Chulavichakarn (Academic Fair), Chulalongkorn University
2008 Leadership Trainer, Leadership Camp, Chulalongkorn University

Community Service

2016-present Interpreter, BaanTique – West Lafayette, IN
2009 Physician Assistant, Baannokkamin (Homeless Shelter) Foundation – Bangkok, Thailand
2008 Public Health Practitioner, Rural Health Care Development, Bangkok Health Center

References available upon request.