

CURRICULUM VITAE
JULIE ANN LUIZ ADRIAN

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STATEMENT OF RESEARCH INTERESTS

Julie Ann Luiz Adrian, Assistant professor of the Department of Pharmacy Practice, studies complicated grief, posttraumatic stress disorder and pharmacological therapy in humans' response to the death of pets and animals; euthanasia in animals; canine cancer natural chemoprevention; pet therapy; economics of pharmacy and veterinary pharmacy education; the nutritional benefits and detriments of guava, *Psidium guajava*, tree parts as a livestock feed source; instructional design and assessment; and the impacts of veterinary experientials and communication skill enhancement on pharmacy students' education.

Adrian has found that the development of the veterinary medicine rotation component of the Introductory Pharmacy Practice Experiences curriculum useful and beneficial to students' pharmacy education and roles as pharmacists. The rotation enhanced students' performances, attitudes, and perceptions in providing assistance to veterinarians, animal patients, and clients of veterinarians. A pharmacy curriculum integrating a realistic veterinary clinical setting is a useful and novel method to inspire students about veterinary medicine.

In addition, Adrian has found that many people experience significant features of grief reactions (about 20%) after the death of a pet/animal, however, the percentage of people experiencing major pathological disruption is relatively low (< 5%). Thus, sub-clinical levels of grief and sadness are relatively common human responses to the death of companion pets/animals and last six months or more for about 30% of those

sampled. Severe pathological reactions to pet/animal death do occur, but are quite rare among human survivors.

Adrian has also found that the primary nutritional concern with guava is low *in vitro* organic matter digestibility compared to tropical forage grasses, therefore it is not recommended as a sole source or predominant feedstock for livestock. Even though livestock like cattle, sheep, and goats are observed to feed on guava in Hawaii, the results of her study do not support guava as having nutritional usefulness. Animals however, specifically goats have been observed to strip the bark circumference off the tree trunk thus killing the tree. This may be a useful method to control the pest species.

Adrian is charged with steering the planning of the Daniel K. Inouye College of Pharmacy's Vivarium.

EDUCATION

D.V.M., Oklahoma State University, College of Veterinary Medicine, May 2004, in Veterinary Medicine-GPA 3.87

B.S. with High Honors, University of Hawaii at Hilo, May 2000, major in Agriculture with specialty in Pre-Veterinary Medicine-GPA 3.85

PROFESSIONAL LICENSE STATUS

State of Hawaii Department of Commerce and Consumer Affairs - Veterinarian, VE – 498, June 2004 – current

United States Department of Justice Drug Enforcement Administration, 2004 - current

State of Hawaii Department of Public Safety, Narcotics Enforcement Division Certificate of Registration for Controlled Substances, 2004 – current

PRIOR EXPERIENCE

Assistant Professor of Pharmacy Practice/Veterinary Pharmacy – The Daniel K. Inouye College of Pharmacy; University of Hawaii at Hilo, HI 96720; 2010-current.

Assistant Professor of Animal Science – College of Agriculture, Forestry and Natural Resource Management; University of Hawaii at Hilo, HI; 2006-2010.

Doctor of Veterinary Medicine – College of Agriculture, Forestry and Natural Resource Management; University of Hawaii at Hilo, HI; 2006-2010.

Doctor of Veterinary Medicine - Aloha Veterinary Center, Hilo, HI; 2004-2008.

Veterinary Technician - Aloha Veterinary Center, Hilo, HI; 1998 and 1999-2002.

Veterinary Technician – Pet Hospital of Hilo, Hilo, HI; 1997.

PUBLICATIONS, PRESENTATIONS, AND PERFORMANCES

Peer-Reviewed Research Journals

Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. **Adrian JAL**, Zeszotarski P, Ma C. Developing pharmacy student communication skills through role-playing and active learning. *American Journal of Pharmaceutical Education*, accepted. Adrian – PI on research project, primary author of manuscript with 90% effort.
2. **Adrian JAL**, Arancon N, Mathews B, Carpenter J. Mineral composition and soil-plant relationships for common guava (*Psidium guajava* L.) and yellow, strawberry guava (*Psidium cattleianum* var. *lucidum*) tree parts and fruits. *Communications in Soil Science and Plant Analysis*, submitted. Adrian – PI on research project, grant holder, primary author of manuscript with 90% effort.
3. **Adrian JAL**, Vu TB, Owusu Y, Hayashi K. Income effects on doctoral programs in pharmacy: estimation and prediction using U.S. data. *Journal of Empirical Economics*, accepted. Adrian – PI on research project, primary author of manuscript with 70% effort.
4. **Adrian JAL**, Gomez LH, Wongwiwatthanakit S. Development of the veterinary medicine rotation component of the introductory pharmacy practice experiences curriculum. *Currents in Pharmacy Teaching and Learning*, 6(4):507-515, 2014. Adrian – PI on research project, primary author of manuscript with 90% effort.
5. **Adrian JAL**. Image Quiz: Fragile, hyperextensible skin in a dog clinical snapshot: cutaneous asthenia in a dog (Ehlers-Danlos syndrome). *Veterinary Medicine*, in press July 1, 2014.
6. **Adrian JAL**, Arancon N, Mathews B, Carpenter J. Proximate analysis, in vitro organic matter digestibility, and energy content of common guava (*Psidium guajava* L.) and yellow, strawberry guava (*Psidium cattleianum* var. *lucidum*) tree parts and fruits as potential forage. *Journal of Agricultural and Food Chemistry*, 60(42):10398–10405, 2012. Adrian – PI on research project, grant holder, primary author of manuscript with 90% effort.
7. **Adrian JA**, Vu T, Hayashi K. The new cooperative medical system in China: a

cure for all? *International Journal of Healthcare Information Systems and Informatics*, 7(3):15-26, 2012. Adrian – PI on research project, primary author of manuscript with 70% effort.

8. Vu T, **Adrian JA**. Pharmacy and veterinary pharmacy education – facts and forecast. *Journal of Global Business Development*, 3(1):15-19, 2011. Adrian – co-PI on research project, second author of manuscript with 48% effort.
9. **Adrian JAL**, Arancon NQ. Effect of high forage oxalate and calcium consumption on goat urine characteristics. *International Journal of Livestock Production*, 2(3):31-39, 2011. Adrian – PI on research project, grant holder, IACUC tending veterinarian, primary author of manuscript with 97% effort.

Peer-Reviewed Research Journals

Before Date of Hire at the Daniel K. Inouye College of Pharmacy

1. Duponte M, **Adrian J**, Cleveland E. A feeding trial of fortified dehydrated garbage for growing swine in Hawaii. *Pacific Agriculture and Natural Resources*, 1(1):36-40, 2009. Adrian – co-PI on research project, IACUC tending veterinarian, second author of manuscript with 35% effort.
2. Cleveland E, Arancon N, **Adrian J**. Treating foot rot in goats using a zinc sulfate foot bath. *Pacific Agriculture and Natural Resources*, 1(1):49-51, 2009. Adrian – third author of manuscript with 25% effort.
3. **Luiz-Adrian JA**, Deliramich AN, Frueh BC. Complicated grief and posttraumatic stress disorder in humans' response to the death of pets/animals. *The Bulletin of the Menninger Clinic*, 73(3):176-187, 2009. Adrian – PI on research project, primary author of manuscript with 85% effort.
4. **Luiz-Adrian JA**. Leptospirosis: identification and treatment in companion animals. *Journal of Hawaiian and Pacific Agriculture*, 15, 2008.
5. **Luiz JA**. Giant marine toad, *Bufo marinus* L., poisoning in Hawaii: symptoms and treatment. *Journal of Hawaiian and Pacific Agriculture*, 14:67-68, 2007.
6. **Luiz JA**. Clinical snapshot: 2 year-old, female, miniature Dachshund. *Compendium: Continuing Education for Veterinarians*, 29(4):192-194, 2007.
7. **Luiz JA**. Clinical snapshot: 2 year-old, castrated, mixed breed dog. *Compendium: Continuing Education for Veterinarians*, 29(6):336-338, 2007.

Peer-Reviewed Review Articles

Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. **Adrian JAL**. Equine color genetics and deoxyribonucleic acid testing. *Journal of Veterinary Science and Technology*, 4(2): Article 134, 2013.

Peer-Reviewed Review Articles

Before Date of Hire at the Daniel K. Inouye College of Pharmacy

1. **Luiz JA**, Heseltine J. Five common toxins ingested by dogs and cats. *Compendium: Continuing Education for Veterinarians*, 30(11):578-588, 2008.
Adrian – primary author of manuscript with 95% effort.

Peer-Reviewed Editorials

Before Date of Hire at the Daniel K. Inouye College of Pharmacy

1. **Luiz JA**. Diagnostic challenge, hermaphrodite. *Veterinary Practice News*, 19(6):19-21, 2007.

Refereed Conference Papers

Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. Vu T, **Adrian JA**. Pharmacy and veterinary pharmacy education – facts and forecast. *Global Business Development Institute International Conference*, 2011.

Refereed Conference Papers

Before Date of Hire at the Daniel K. Inouye College of Pharmacy

1. Wang D, Lu CD, Yinglun L, Gangyi X, **Adrian JA**, Cleveland E. Pharmacokinetics of injecting Florfenicol in contagious caprine pleuropneumonia goats and therapy scheme. 9th International Conference on Goats, Sustainable Goat Production: Challenges and Opportunities of Small and Large Enterprises, 2008.
2. Gangyi X, Tintin C, Lu CD, Lin D, Wang Z, Zhongchun D, **Adrian JA**, Cleveland E. Effect of age on carcass composition and meat quality in Jianyang big ear goats. 9th International Conference on Goats, Sustainable Goat Production: Challenges and Opportunities of Small and Large Enterprises, 2008.
3. Songbai L, Gangyi X, Lu CD, Zehui L, **Adrian JA**, Cleveland ER. Slaughter performance, carcass quality and meat composition of Tianfu goats: an emerging meat goat breed. 9th International Conference on Goats, Sustainable Goat Production: Challenges and Opportunities of Small and Large Enterprises, 2008.

Poster Sessions

Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. **Adrian JAL**, Zeszotarski P. Communication skills for student pharmacist pre- and post-self assessment. *American Association of Colleges of Pharmacy Annual Meeting*, 2013.
2. **Adrian JAL**, Arancon NQ, Carpenter JR, Mathews B. Analysis of guava as a forage – organic constituents. *50th Anniversary Meeting of the Phytochemical Society of North America*, 2011. Adrian – presenter.
3. Vu T, **Adrian JA**. Pharmacy and veterinary pharmacy education – facts and forecast. *American Association of Colleges of Pharmacy Annual Meeting*, 2011. Adrian – presenter.

Invited Continuing Education Presentations

Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. **Adrian JAL**. Common canine diseases and the pharmacist's role. Hawaii Pharmacists Association Annual Meeting, April 2014.
2. **Adrian JAL**. Vet information 101. Hawaii Pharmacist Association Annual Meeting, April 2013.
3. **Adrian JAL**. Vet information 101. University of Hawaii at Hilo, the Daniel K. Inouye College of Pharmacy Accreditation and Education Conference, February 2013.

Invited Presentations

Before Date of Hire at the Daniel K. Inouye College of Pharmacy

1. Invited Speaker for AG 100: Introduction to Agricultural Sciences, University of Hawaii at Hilo, "The Veterinary Profession", September 2006, October 2007, and September 2009.
2. "Taste of College", University of Hawaii at Hilo. Invited Speaker for the Minority Access and Achievement Program (MAAP), February 2008.
3. Maui Community College Hookahua Visit Invited Speaker, November 2007.

Standard Operating Procedures (SOP) and Protocols

Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. **Adrian J**, Uber Patricia. University of Hawaii at Hilo, What does pet therapy do for students during times of stress?, Institutional Animal Care and Use

Committee (IACUC) Protocol, 2014-current.

2. **Adrian J**, Uber Patricia. University of Hawaii at Hilo, What does pet therapy do for students during times of stress?, Institutional Review Board (IRB) Protocol, 2014-current.
3. **Adrian J**. University of Hawaii at Hilo, Development of the veterinary medicine rotation component of the introductory pharmacy practice experiences curriculum and the use of Critical Care Jerry, Institutional Review Board (IRB) Protocol, 2014-current.
4. **Adrian J**. University of Hawaii at Hilo, Communication skills for student pharmacist pre- and post-self assessment, Institutional Review Board (IRB) Protocol, 2014-current.
5. **Adrian J**, Pezzuto J, Morris K, Kondratyuk T. University of Hawaii at Hilo, Consumption of known natural product cancer chemopreventive agents will delay or prevent canine cancer, Institutional Animal Care and Use Committee (IACUC) Protocol, 2011-current.
6. **Adrian J**. University of Hawaii at Hilo, Complicated grief, posttraumatic stress disorder and pharmacological therapy in humans' response to the death of pets/animals, Institutional Review Board (IRB) Protocol, 2009-current.
7. **Adrian J**. University of Hawaii at Hilo, the Daniel K. Inouye College of Pharmacy Vivarium SOPs, 2010-current.
8. **Adrian J**. University of Hawaii at Hilo, the Daniel K. Inouye College of Pharmacy SOP on SIM Man Start-up and Shut-down, November 2010.

Standard Operating Procedures (SOP) and Protocols

Before Date of Hire at the Daniel K. Inouye College of Pharmacy

1. **Adrian J**. University of Hawaii at Hilo Agricultural Farm Laboratory SOP on Veterinary Care, 2010.
2. **Adrian J**. University of Hawaii at Hilo Agricultural Farm Laboratory SOP on Emergency Procedures, 2010.
3. **Luiz-Adrian JA**. University of Hawaii at Hilo, Introduction to companion animals, Institutional Animal Care and Use Committee (IACUC) Protocols, 2006-2010.
4. Cleveland ER, **Luiz-Adrian JA**. University of Hawaii at Hilo Agricultural Farm Laboratory, Institutional Animal Care and Use Committee (IACUC) Protocol, 2006-2009.

5. **Luiz-Adrian JA.** University of Hawaii at Hilo Agricultural Farm Laboratory SOP on Leptospirosis Safety and Awareness, January 2008.
6. **Luiz JA.** University of Hawaii at Hilo Agricultural Farm Laboratory SOP on Analgesia and Alternatives, November 2006.

White Papers

Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. **Adrian J.** Idea of Creating a College of Veterinary Medicine at the University of Hawaii at Hilo, requested by Chancellor Donald Straney, 2011.

GRANTS

Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. **Adrian JAL.** Psychological disorders and drug therapy in humans' response to pet/animal death, principal investigator: Julie Ann Luiz Adrian, American Association of Colleges of Pharmacy New Investigator Award, 2014, \$10,000.00 attempted.
2. **Adrian JA.** Analysis of the presence of tannins, oxalates, and phenolic and flavonoid compounds in guava, *Psidium guajava* L., principal investigator: Julie Ann Luiz Adrian, County of Hawaii Research and Development Grant, 2014, \$24,970.00 attempted.
3. **Adrian JAL,** Pezzuto J, Morris K. Consumption of known natural product cancer chemopreventive agents will delay or prevent canine cancer, principal investigator: Julie Ann Luiz Adrian, Morris Animal Foundation, 2014, \$10,800.00 attempted.
4. Morrison L, **Adrian JAL,** Wheat J, Koomoa-Lange D. Attitude toward dogs and its relationship to stress in both dogs and owners in Hawaii, principal investigator: Lynn Morrison, co-investigators: **Adrian JAL,** Wheat J, Koomoa-Lange D, University of Hawaii at Hilo Seed Grant Award, 2014, awarded \$12,000.00.
5. **Adrian JAL.** Psychological disorders and drug therapy in humans' response to pet/animal death, principal investigator: Julie Ann Luiz Adrian, American Association of Colleges of Pharmacy New Investigator Award, 2013, \$10,000.00 attempted.
6. Holmes E, Pezzuto J, **Adrian JAL,** Pellegrin K, Jarvi S. Alterations and renovations, principal investigator: Eric H. Holmes, IDeA Network for

Biomedical Research Excellence (INBRE) III: Hawaii Statewide Research & Education Partnership (HISREP), 2013 through 2014, \$168,300 (Hawaii Pacific University) and \$81,170 (University of Hawaii at Hilo, the Daniel K. Inouye College of Pharmacy), GM103466-12 INBRE III, awarded \$81,700.

7. **Adrian JA.** Complicated grief, posttraumatic stress disorder and pharmacological therapy in humans' response to the death of pets/animals, principal investigator: Julie Ann Luiz Adrian, University of Hawaii at Hilo Seed Grant Award, June 2013 through December 2014, awarded \$15,000.00.
8. **Adrian JAL,** Pezzuto J, Morris K. Natural chemopreventive agents will delay or prevent canine cancer, principal investigator: Julie Ann Luiz Adrian, American College of Veterinary Internal Medicine Foundation and Veterinary Pharmacology Research Foundation, 2013, \$18,000.00 attempted.
9. **Adrian JA.** Analysis of the presence of tannins, oxalates, and phenolic and flavonoid compounds in guava, *Psidium guajava* L., principal investigator: Julie Ann Luiz Adrian, County of Hawaii Research and Development Grant, 2013, \$24,970.00 attempted.
10. **Adrian JAL,** Pezzuto J, Morris K. Consumption of known natural product cancer chemopreventive agents will delay or prevent canine cancer, principal investigator: Julie Ann Luiz Adrian, Morris Animal Foundation, 2013, \$10,800.00 attempted.
11. **Adrian JAL.** Psychological disorders and drug therapy in humans' response to pet/animal death, principal investigator: Julie Ann Luiz Adrian, Hawaii Community Foundation Medical Research Award, 2013, \$49,997.00 attempted.
12. **Adrian JAL.** Psychological disorders and drug therapy in humans' response to pet/animal death, principal investigator: Julie Ann Luiz Adrian, Petco Foundation, 2012, \$50,000.00 attempted.
13. **Adrian JAL.** Consumption of known natural product cancer chemopreventive agents will delay or prevent canine cancer, principal investigator: Julie Ann Luiz Adrian, American Veterinary Medical Foundation, 2012, \$10,000.00 attempted.
14. **Adrian JAL.** Psychological disorders and drug therapy in humans' response to pet/animal death, principal investigator: Julie Ann Luiz Adrian, American

Association of Colleges of Pharmacy New Investigator Award, 2012, \$10,000.00 attempted.

15. **Adrian JAL.** The consumption of biscuits containing a unique formulation of known natural product cancer chemopreventive agents will delay or prevent cancer in dogs, principal investigator: Julie Ann Luiz Adrian, Phytochemical Society of North America Young Investigator Research Grant Award, 2012, \$10,000.00 attempted.
16. **Adrian JAL,** Pezzuto J, Morris K. The consumption of biscuits containing a unique formulation of known natural product cancer chemopreventive agents will delay or prevent cancer in dogs, principal investigator: Julie Ann Luiz Adrian, Island Innovation Fund Round 3, 2012, \$100,000.00 attempted.
17. **Adrian JAL.** Complicated grief, posttraumatic stress disorder and pharmacological therapy in humans' response to the death of pets/animals, principal investigator: Julie Ann Luiz Adrian, Hawaii Community Foundation Medical Research Award, 2012, \$50,000.00 attempted.
18. **Adrian JAL,** Pezzuto J, Morris K. Consumption of known natural product cancer chemopreventive agents will delay or prevent canine cancer, principal investigator: Julie Ann Luiz Adrian, Morris Animal Foundation, 2012, \$10,800.00 attempted.
19. **Adrian JAL,** Pezzuto J, Morris K. Natural chemopreventive agents will delay or prevent canine cancer, principal investigator: Julie Ann Luiz Adrian, American College of Veterinary Internal Medicine Foundation and Veterinary Pharmacology Research Foundation, 2012, \$18,000.00 attempted.
20. **Adrian JAL.** Psychological disorders and drug therapy in humans' response to pet/animal death, principal investigator: Julie Ann Luiz Adrian, American Association of Colleges of Pharmacy New Investigator Award, 2011, \$10,000.00 attempted.
21. **Adrian JAL,** Pezzuto J, Morris K. The consumption of biscuits containing a unique formulation of known natural product cancer chemopreventive agents will delay or prevent cancer in dogs, principal investigator: Julie Ann Luiz Adrian, Island Innovation Fund Round 2, 2011, \$100,000.00 attempted.
22. **Adrian JAL.** Analysis of guava as a forage – organic constituents, *Phytochemical Society of North America*, 2011, Waikoloa, HI. Adrian – presenter, National Science Foundation Sponsored Travel Award, awarded \$600.00.

23. **Adrian JAL.** Pharmacy and veterinary pharmacy education – facts and forecast. *American Association of Colleges of Pharmacy*, 2011, San Antonio, TX. Adrian – presenter, UHH Research Council Travel Grant, awarded \$2,035.75.
24. **Adrian JA.** Complicated grief, posttraumatic stress disorder and pharmacological therapy in humans' response to the death of pets/animals, principal investigator: Julie Ann Luiz Adrian, Morris Animal Foundation, 2011, \$15,000.00 attempted.
25. **Adrian JA.** Nutritive value of guava, *Psidium guajava*, tree parts as livestock feed, principal investigator: Julie Ann Luiz Adrian, County of Hawaii Research and Development Grant, 2011, \$10,000.00 attempted.
26. **Adrian JA.** Complicated grief, posttraumatic stress disorder and pharmacological therapy in humans' response to the death of pets/animals, principal investigator: Julie Ann Luiz Adrian, University of Hawaii at Hilo Seed Grant Award, 2011, \$15,000.00 attempted.
27. **Luiz-Adrian JA.** Nutritive value of guava, *Psidium guajava*, tree parts as livestock feed, principal investigator: Julie Ann Luiz Adrian, University of Hawaii at Hilo Seed Grant Award, June 2010 through June 2011, awarded \$7,000.00.

GRANTS

Before Date of Hire at the Daniel K. Inouye College of Pharmacy

1. **Luiz-Adrian JA.** Nutritive value of guava, *Psidium guajava*, tree parts as livestock feed, principal investigator: Julie Ann Luiz Adrian, County of Hawaii Research and Development Grant, 2010, \$10,000.00 attempted.
2. **Luiz-Adrian JA.** Does the consumption of guava trees impact urine analyses, fecal matter, weight gain and reproduction of goats?, principal investigator: Julie Ann Luiz Adrian, tending licensed veterinarian: Julie Ann Luiz Adrian, DVM, County of Hawaii Research and Development Grant Award, August 2007 through August 2008, awarded \$5,000.00.
3. **Luiz-Adrian JA.** Does the consumption of guava trees impact urine analyses, fecal matter, weight gain and reproduction of goats?, principal investigator: Julie Ann Luiz Adrian, University of Hawaii at Hilo Seed Money Grant, 2007, \$5,000.00 attempted.
4. **Luiz-Adrian JA, Frueh BC.** Pet loss bereavement study, principal investigators: Julie Ann Luiz Adrian and Bartley C. Frueh. NIH grant holder:

Frueh. NIH grant mentee: Luiz-Adrian.

5. DuPonte M, **Luiz-Adrian JA**, Cleveland ER, Miyasaki A. Technical and economic feasibility of production of alternative animal feeds for piggery, Big Island of Hawaii, principal investigator: Michael DuPonte, tending licensed veterinarian: Julie Ann Luiz Adrian, DVM, County of Hawaii Research and Development Grant, 2007 through 2008, awarded \$40,100.00.

SERVICES TO THE COLLEGE, UNIVERSITY, COMMUNITY, AND PROFESSION

Services to the College, University, and Profession

Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. Advisory Committee Member, Regulated Industries Complaints Office, Department of Commerce and Consumer Affairs (Veterinary Medicine area), 2014-current.
2. Congress Representative, UHH Faculty Congress, University of Hawaii at Hilo, 2011-current.
3. Chair, the Daniel K. Inouye College of Pharmacy, Admissions Committee, 2013-current.
4. Committee Member, the Daniel K. Inouye College of Pharmacy, Admissions Committee, 2011-current.
5. Committee Member, the Daniel K. Inouye College of Pharmacy, Continuing Education Executive Committee, 2011-current.
6. Committee Member, the Daniel K. Inouye College of Pharmacy, PhD in Pharmaceutical Sciences Committee, 2011-current.
7. Subcommittee Member, the Daniel K. Inouye College of Pharmacy, PhD in Pharmaceutical Sciences, Admissions Subcommittee, 2012-current.
8. Committee Member, UHH Student Success and Admissions Standing Committee, University of Hawaii at Hilo, 2011-current.
9. Admissions Interviewer, the Daniel K. Inouye College of Pharmacy, PhD in Pharmaceutical Sciences Program Candidate Admissions Interviewer, 2011-current.
10. Admissions Interviewer, the Daniel K. Inouye College of Pharmacy, PharmD. Program Student Admissions Interviewer, 2011-current.

11. Search Committee Member, Pharmacy Practice Faculty Search Committee, Position #86534, the Daniel K. Inouye College of Pharmacy, 2014-current.
12. Search Committee Member, Pharmacy Practice Faculty Search Committee, Position #73370, the Daniel K. Inouye College of Pharmacy, 2014-current.
13. UHPA Faculty Representative, University of Hawaii Professional Assembly, Bargaining Unit 7, Primary Academic Unit #126, 2010-current.
14. Vivarium Planning Champion, the Daniel K. Inouye College of Pharmacy, Vivarium Planning Design, 2010-current.
15. Committee Member, Freshmen Village Pilot Program Committee, University of Hawaii at Hilo, 2013-current.
16. Faculty Participant, Kipuka MacBook Air, University of Hawaii at Hilo, 2009-current.
17. Pre-Veterinary Medicine Advisor, University of Hawaii at Hilo, 2006-current.
18. Tending Veterinarian, University of Hawaii at Hilo, Institutional Animal Care and Use Committee protocols veterinarian, 2006-current (presently: Drs. Bill Mautz, Lynn Morrison, and Julie Adrian).
19. Interviewee, Accreditation Council for Pharmacy Education Site Visit, 2014.
20. Search Committee Member, Pharmacy Practice Faculty Search Committee, Position #73276, the Daniel K. Inouye College of Pharmacy, 2014.
21. Search Committee Member, Pharmacy Practice Faculty Search Committee, Position #86364, the Daniel K. Inouye College of Pharmacy, 2014.
22. Search Committee Member, Pharmacy Practice Faculty Search Committee, Position #73428, the Daniel K. Inouye College of Pharmacy, 2014.
23. Search Committee Member, Pharmacy Practice Faculty Search Committee, Position #73333, the Daniel K. Inouye College of Pharmacy, 2012-2014.
24. Interviewee, Accreditation Council for Pharmacy Education Site Visit, 2013.
25. Interviewee, Accreditation Council for Pharmacy Education Mock Site Visit, 2013.
26. Search Committee Member, Pharmacy Practice Faculty Search Committee, Position #73328, the Daniel K. Inouye College of Pharmacy, 2012-2013.

27. Search Committee Member, Pharmacy Practice Faculty Search Committee, Position #73379, the Daniel K. Inouye College of Pharmacy, 2012-2013.
28. Chair, UHH Student Success and Admissions Standing Committee, University of Hawaii at Hilo, 2011-2013.
29. EMIT Faculty Congress Representative, Enrollment Management Implementation Team, University of Hawaii at Hilo, 2011-2013.
30. Executive Committee Member, UHH Executive Committee of Congress, University of Hawaii at Hilo, 2012-2013.
31. Committee Member, Filipino Advisory Committee, University of Hawaii at Hilo, 2010-2013.
32. Vice Chair, UHH Faculty Congress, University of Hawaii at Hilo, 2012.
33. Search Committee Member, the Daniel K. Inouye College of Pharmacy IT Specialist Search Committee, Position #78532, 2012.
34. Search Committee Member, Pharmacy Practice Secretary Search Committee, Position #900460, the Daniel K. Inouye College of Pharmacy, 2012.
35. Committee Member, Chancellor's Scholars Selection Committee, University of Hawaii at Hilo, 2011-2012, 2014.
36. Committee Member, the Daniel K. Inouye College of Pharmacy, Promotion and Tenure Advisory Committee, 2011-2012.
37. Award Committee Member, American Association of Colleges of Pharmacy, Robert K. Chalmers Distinguished Pharmacy Educator Award Committee, 2011-2012.
38. Spring Commencement Platform Party, University of Hawaii at Hilo, Faculty Congress Vice Chair, 2012.
39. Articulation Point of Contact Member Representative for Dr. Kenith Simmons, Interim Vice Chancellor for Academic Affairs, University of Hawaii at Hilo, 2011-2012.
40. Panelist, "Caregiver" Film in honor of Filipino-American Heritage Month, 2010.
41. Design Team Member, the Daniel K. Inouye College of Pharmacy, Permanent Building Design Team, 2010-2013.

42. Committee Member, Learning Center Advisory Committee, University of Hawaii at Hilo, 2007-2011.

Services to the College, University, and Profession

Before Date of Hire at the Daniel K. Inouye College of Pharmacy

1. Committee Member, Tutorial Funds Allocation Committee, University of Hawaii at Hilo, 2007-2010.
2. Committee Member, UHH Agricultural Farm Laboratory Advisory Committee, University of Hawaii at Hilo, 2009-2010.
3. Committee Member, UHH General Education Committee, University of Hawaii at Hilo, 2009.
4. New Student Convocation Flag Bearer and Pledge Witness, University of Hawaii at Hilo, 2009.
5. Faculty Senate Secretary, University of Hawaii at Hilo, College of Agriculture, Forestry, and Natural Resource Management, 2009-2010.
6. Search Committee Member, Kilohana: The Academic Success Center, Director of Academic Support Search Committee, Position #73352, University of Hawaii at Hilo, 2008-2009.
7. Committee Member, First Year Program Committee, University of Hawaii at Hilo, 2007-2008.
8. Search Committee Member, College of Agriculture, Forestry, and Natural Resource Management Search Committee, Position #78254, 2007.
9. Spring Commencement Lead Faculty Marshall, University of Hawaii at Hilo, 2007 and 2008.
10. Mock Veterinary Medicine College Admission Interview Coordinator, University of Hawaii at Hilo, 2006-2009.
11. Keaholoa STEM Program Mentor, University of Hawaii at Hilo, 2006-2008.
12. Club Advisor, Agriculture Club, University of Hawaii at Hilo, 2006-2007.
13. Feral Cat Population Work Volunteer, University of Hawaii at Hilo, 2006-2007.

Services to the Community

Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. Volunteer, Hawaii State Chapter, American Red Cross, Hilo, HI. Emergency and disaster response team member and shelter volunteer, 2009-current.
2. Volunteer, American Veterinary Medical Association Veterinary Medical Assistance Team Program Disaster Preparedness and Response, 2008-current.
3. Member, Waiakeawaena Elementary School Parent Teacher Association, 2013-current.
4. Consultation and Caretaker, Complimentary Veterinary Consultation, Services and Caretaking, Hilo Community, 2006-current.
5. Speaker, Keaau High School Career Panel (Veterinary Medicine Field), 2014.
6. Volunteer, Lanakila Learning Center, 2011-2013.
7. Poster Judge, the Daniel K. Inouye College of Pharmacy's 5th Annual Health Fair (APhA-ASP); Elementary Students Poster Contest, 2013.
8. Booth leader, the Daniel K. Inouye College of Pharmacy's 2nd Annual Health Fair (APhA-ASP); "How Do Animals Help People?" Companion Animal Booth, 2010.
9. Science Fair Judge, Hilo Intermediate School, 2010.
10. Donator, Waiakea High School Agriculture Program, supplier of goats for program, 2010.

Services to the Community

Before Date of Hire at the Daniel K. Inouye College of Pharmacy

1. Volunteer, Hawaii Island Humane Society, available to perform complimentary spay/neuters, 2009-2010.
2. Speaker, Career Day at St. Joseph High and Intermediate Schools (Veterinary Medicine Field), 2007.

COURSES CURRENTLY TAUGHT

PHPP 528 – Communication Skills for Pharmacists, course coordinator and instructor

PHPP 554 – Zoonotic Diseases, course coordinator and instructor

PHPP 598D – Introduction to Veterinary Medicine, course coordinator and instructor

PHPP 555 – Overview of Veterinary Medicine and Veterinary Pharmacology, course coordinator and instructor

PHPS 710 – Laboratory Animal Care, Management, and Medicine I, course coordinator and instructor
PHPP 505 – Introductory Pharmacy Practice Experiences V, clinical site developer and preceptor
PHPP 544/545 – Advanced Pharmacy Practice Experience Academic Elective, preceptor
PHPP 517 – Integrated Therapeutics III, instructor
PHPP 518 – Integrated Therapeutics IV, instructor
PHPP 521 – Applied Pharmaceutical Care, instructor
PHPS 591 – Basic and Applied Toxicology, instructor
PHPS 506 – Pharmaceutics II, invited lecturer
PHPP 516 – Integrated Therapeutics II, invited lecturer
IS 201 – Pre-pharmacy Orientation, invited lecturer

MEMBERSHIPS

American Veterinary Medical Association (AVMA)
American Association of Colleges of Pharmacy (AACP)
Hawaii Veterinary Medical Association (HVMA)
Hawaii Island Portuguese Chamber of Commerce (HIPCC)
Women's Veterinary Leadership Development Initiative, AVMA District X
The Rho Chi Academic Honor Society of Pharmacy Delta Iota Chapter
University of Hawaii Professional Assembly (UHPA)
University of Hawaii Alumni Association (UHAA)
University of Hawaii College of Pharmacy Alumni Chapter
Waiakeawaena Elementary School Parent Teacher Association (WWES PTA)

AWARDS AND HONORS

Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. 2014 Who's Who in Academia, Honorable Mention featured by Joseph Bozaneck.
2. 2013 American Chemical Society Publications Certificate of Appreciation for Valuable Contributions.
3. 2013 Nominee for one the University of Hawaii at Hilo Excellence in Teaching Awards.
4. 2011 National Science Foundation Sponsored Travel Award. Analysis of guava as a forage – organic constituents, *Phytochemical Society of North America*, Waikoloa, HI.
5. 2011 Nominee for one of the University of Hawaii at Hilo Excellence in Teaching Awards.
6. 2011 "Pharmacy and Veterinary Pharmacy Education – Facts and Forecast" by Tam Bang Vu and Julie Ann Luiz Adrian, Conference of Business

Development, "Best Paper Award, Academic Planning".

7. 2010 Manuscript entitled "Complicated grief and posttraumatic stress disorder in humans' response to the death of pets/animals" featured by Andy Manis of the New York Times.
8. 2010 Manuscript entitled "Complicated grief and posttraumatic stress disorder in humans' response to the death of pets/animals" featured by Nina Wu of the Honolulu Star Advertiser.

AWARDS AND HONORS

Before Date of Hire at the Daniel K. Inouye College of Pharmacy

1. 2010 Nominee for the Francis Davis Award for Excellence in Undergraduate Teaching, University of Hawaii at Hilo.
2. 2004 Veterinary Honors Society of Phi Zeta of Oklahoma State University, College of Veterinary Medicine.
3. 2003-2004 "Lady" Cooper Memorial Scholarship, Oklahoma State University, College of Veterinary Medicine.
4. 2002-2003 Hill's Multicultural Scholarship, Oklahoma State University, College of Veterinary Medicine.
5. 2002-2003 Dr. Harvey & Corinne Price Award, Oklahoma State University, College of Veterinary Medicine.
6. 2002-2003 Salsbury Award, Oklahoma State University, College of Veterinary Medicine.
7. 2001-2002 Austin W. & Audrey B. Weedn Foundation Scholarship, Oklahoma State University, College of Veterinary Medicine.
8. 2000-2001 Charlotte's Kitty Award, Oklahoma State University, College of Veterinary Medicine.
9. 2000-2001 American Kennel Club Award, Oklahoma State University, College of Veterinary Medicine.

EDITORIAL AND REVIEWING ACTIVITIES

Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. Reviewer for the *International Journal of Healthcare Information Systems and Informatics*, current.
2. Editorial Board Member of the *Journal of Veterinary Science and Technology*, current.

3. Reviewer for the *Journal of Biotech Research*, current.
4. Editorial Board Member of the *International Journal of Livestock Production*, current.

EDITORIAL AND REVIEWING ACTIVITIES

Before Date of Hire at the Daniel K. Inouye College of Pharmacy

1. Editorial Board Member of the *Pacific Agriculture and Natural Resources*, 2009-2010.
2. Manuscript Editor for “*Therapy Scheme and Pharmacokinetics of Injecting Florfenicol in Contagious Caprine Pleuropneumonia Goats*” by Wang Daihua, Christopher D. Lu, Li Yinglun, Xu Gangyi, 2008.

PROFESSIONAL SOCIETY ACTIVITIES

1. Veterinarian Accreditation recognized by the United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), and the Bureau of Animal Industry, 2004–current.

SELECTED CONFERENCES TO ENHANCE DEVELOPMENT

Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. Western Veterinary Conference, Las Vegas, NV. Continuing education credits (50 CE credits earned), February 2014.
2. American Heart Association Basic Life Support (BLS) for Healthcare Providers (CPR and AED) Recertification, January 2014.
3. Western Veterinary Conference, Las Vegas, NV. Continuing education credits (39 CE credits earned), February 2013.
4. University of Hawaii at Hilo, the Daniel K. Inouye College of Pharmacy Accreditation and Education Conference, February 2013.
5. Increasing Student Success, the U.S. Education Delivery Institute, January 2013.
6. Western Veterinary Conference, Las Vegas, NV. Continuing education credits (45 CE credits earned), February 2012.
7. American Heart Association Basic Life Support (BLS) for Healthcare Providers (CPR and AED) Program, August 2011.
8. Western Veterinary Conference, Las Vegas, NV. Continuing education credits (42 CE credits earned), February 2011.

9. University of Hawaii at Hilo, the Daniel K. Inouye College of Pharmacy Accreditation and Education Conference, February 2011.
10. Institutional Animal Care and Use Committee (IACUC) Topaz-upgrade Protocol Training, October 2010.

SELECTED CONFERENCES TO ENHANCE DEVELOPMENT
Before Date of Hire at the Daniel K. Inouye College of Pharmacy

1. University of Hawaii at Hilo Research Briefing Conference, October 2008.
2. "Retention Data of All Kinds" Conference, November 2007.
3. Institutional Animal Care and Use Committee (IACUC) Topaz Protocol Training, July 2007.
4. Pesticide Worker Protection Training, Environmental Protection Agency (EPA), July 2007.
5. 20th International Conference on the First Year Experience Waikoloa, HI. Competitive selection to attend decided by the Interim Vice Chancellor of Academic Affairs, Dr. Stephen Hora. July 2007.
6. Western Veterinary Conference, Las Vegas, NV. Continuing education credits, February 2005.

SEMINARS TO ENHANCE DEVELOPMENT
Since Date of Hire at the Daniel K. Inouye College of Pharmacy

1. Preventing and Responding to Disruptive Students Workshop by W. Scott Lewis, November 2014.
2. Department of Pharmacy Practice Retreat, University of Hawaii at Hilo, the Daniel K. Inouye College of Pharmacy, October 2014.
3. Admission Interview Training and Updates by Edward Fisher and Susan Jarvi, October 2014.
4. Teaching Effectiveness Workshop Series by Dr. Susan Stein, Academic Year: 2014-2015, August 2014.
5. QPR Suicide Prevention Gatekeeper Program Certification, July 2014.
6. Institutional Review Board (IRB) Educational Training Seminar, May 2014.
7. Health Information Privacy and Security (HIPS) for Students and Instructors, Collaborative Institutional Training Initiative (CITI), May 2014.

8. Health Information Privacy and Security (HIPS) for Clinical Investigators, Collaborative Institutional Training Initiative (CITI), March 2014.
9. Biomedical Research – Basic/Refresher, Collaborative Institutional Training Initiative (CITI), February 2014.
10. Social and Behavioral Research – Basic/Refresher, Collaborative Institutional Training Initiative (CITI), February 2014.
11. Data or Specimens Only Research – Basic/Refresher, Collaborative Institutional Training Initiative (CITI), February 2014.
12. Students – Class Projects, Collaborative Institutional Training Initiative (CITI), February 2014.
13. Effective Classroom Presentation Skills, University of Hawaii at Hilo, the Daniel K. Inouye College of Pharmacy, January 2014.
14. Debut License and Training Session, University of Hawaii at Hilo, the Daniel K. Inouye College of Pharmacy, January 2014.
15. Transportation Awareness Training of Shipping and Receiving Biological Commodities, University of Hawaii at Manoa, September 2013.
16. Regulations for the Care and Use of Vertebrate Animals Recertification, Refresher Course for Investigators Conducting Research with Lab Animals, Collaborative Institutional Training Initiative (CITI), July 2013.
17. Supporting Your Research and Scholarship at the University of Hawaii at Hilo: Faculty Forum, March 2013.
18. Faculty Development at the University of Hawaii at Hilo: Faculty Forum, September 2012.
19. Department of Pharmacy Practice Retreat, University of Hawaii at Hilo, the Daniel K. Inouye College of Pharmacy, September 2012.
20. UH Preventing Sexual Harassment Certification, University of Hawaii, February 2012.
21. Question Writing Workshop by Sian Millard and Dr. Ben Chavez, University of Hawaii at Hilo, the Daniel K. Inouye College of Pharmacy, January 2012.
22. Workshop – Teaching Effectiveness by Dr. Elmer Gentry, May 2011.
23. “Natural Products-Inspired Drug Discovery” with following grant writing

workshop by Dr. Richard Lee, April 2011.

24. Grant Development Workshop by Drs. Joseph Danek and Michael Khonsari, the Implementation Group (TIG), April 2011.
25. Grant Writing Workshop by Dr. Dan Brown, University of Hawaii at Hilo, March 2011.
26. "A Day of Faculty Fellowship and Academic Visioning", 2011 Faculty Retreat, University of Hawaii at Hilo, January 2011.
27. "Chancellor's Invitation to Take Part in Workshops on Improving the UH Hilo Work Experience", November 2010.
28. "Introduction to SIM MAN 3G" educational services course by Ms. Veronica Rogan, Laerdal Medical Corporation, November 2010.
29. Regulations for the Care and Use of Vertebrate Animals Recertification, Institutional Animal Care and Use Committee, September 2010.

SEMINARS TO ENHANCE DEVELOPMENT

Before Date of Hire at the Daniel K. Inouye College of Pharmacy

1. "Seminar with George Kuh" and panelist, University of Hawaii at Hilo, April 2008.
2. "Big Island Swine Day" hosted by Michael DuPonte, College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa, September 2007.
3. "Advancing Knowledge for Agriculture, the Environment, Human Health, Well Being and Communities", June 2007.
4. Workplace Violence Seminar, University of Hawaii at Hilo, December 2006.
5. Regulations for the Care and Use of Vertebrate Animals Certification, Institutional Animal Care and Use Committee, August 2006.