

CURRICULUM VITAE

L. Leanne Lai, Ph.D.

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointment: Professor, Sociobehavioral Administrative Pharmacy
Nova Southeastern University College of Pharmacy

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EDUCATION AND TRAINING

1992- 1996 University of Maryland at Baltimore, Maryland
Department of Pharmacy Practice and Science
Ph.D. in Pharmacy Administration
Cognate area: Health/Pharmacoeconomics
Dissertation: An Economic and Outcome Evaluation of Pharmaceutical Care
Services Program For Maryland Medicaid Recipients

1986- 1990 Kaohsiung Medical University, Kaohsiung, Taiwan
Department of Pharmacy
Degree: Bachelor of Science
Honor: Graduate with honor, Dean's List in Athletics

1997 University of Michigan, Graduate Summer Session
- Analysis of Clinical Trials
- Introduction to Systematic Reviews and Meta-analysis

2000 Epidemiology Research Institute, Tuft University and Boston University
Epidemiology Summer Program
- Decision and Cost Effectiveness Analysis in Health Care

ACADEMIC APPOINTMENT

2008 – Present Full Professor
Department of Sociobehavioral Administrative Pharmacy
Nova Southeastern University College of Pharmacy
Ft. Lauderdale, Florida

2002 – 2011 Director of International Pharmacy Program
Nova Southeastern University College of Pharmacy
Ft. Lauderdale, Florida

2001 – 2008 Associate Professor
Nova Southeastern University College of Pharmacy

Ft. Lauderdale, Florida

- 1996 - 2000 Assistant Professor
Nova Southeastern University College of Pharmacy
Ft. Lauderdale, Florida
- 2002 – 2003 Experiential Education Adjunct Instructor
Duquesne University Myland School of Pharmacy
Pittsburgh, Philadelphia
- 1999 - 2004 Adjunct Professor
Atlantic Institute of Oriental Medicine
Ft. Lauderdale, Florida
- 1999 - 2004 Adjunct Assistant Professor
National Cheng Kung University School of Medicine Institute of Clinical Pharmacy
Tainan, Taiwan

RESEARCH ACTIVITIES

Research Funding

- 2014 **Co-Investigator**
Pharmacist Perception of Clinical Literature Accessibility Survey - Japan vs. USA
(Granted \$200,000Yen from Japanese Society of Drug Informatics)
- 2011 – 2013 **Principal Investigator**
Off-Label Antidepressant Use in Treatment of Insomnia (Granted \$10,000 from
Nova Southeastern University Chancellor's Annual Faculty Research and
Development Grant)
- 2009 – 2011 **Principal Investigator**
Sociodemographic Patterns of Insomnia Drug Prescription (data mining research;
Granted \$10,000 from Nova Southeastern University Chancellor's Annual Faculty
Research and Development Grant)
- 2009 - 2010 **Co-Investigator**
Content Analysis of Environmental Sustainability Themes in Florida Standards
(Granted \$6,740 from Nova Southeastern University Chancellor's Annual Faculty
Research and Development Grant)
- 2007 – 2008 **Co-Investigator**
Prospective of Taiwan Clinical Pharmacy Education
(Granted \$1,000 from Taipei City Hospital, Taiwan)
- 2006 – 2007 **Principal Investigator**
Impact of Drug Interactions on Angiotensin Converting Enzyme (ACE) inhibitors
in the United States, 2001 to 2003 (data mining research; Granted \$10,000 from
Nova Southeastern University President's Annual Faculty Research and
Development Grant)
- 2006 - 2007 **Co-Investigator**
Continued Project A+ (Autism + Mathematics = Communication)
(Granted \$3,000 from Nova Southeastern University President's Annual Faculty

Research and Development Grant)

- 2005 - 2006 **Co-Investigator**
Project A+
(Granted \$10,000 from Nova Southeastern University President's Annual Faculty Research and Development Grant)
- 2004 - 2005 **Co-Investigator**
An Exploratory Study of the Effects of Social Networks on Community Learning
(Granted \$1,000 from Nova Southeastern University President's Annual Faculty Research and Development Grant)
- 2002 - 2004 **Co-Investigator**
The Pharmacoeconomics of Cardiovascular Outcomes with COXIBS and NSAIDS at CIGNA of Florida: A Retrospective Assessment (Granted \$50,000 from Pharmacia Pharmaceutical company)
- 2002 - 2004 **Co-Investigator**
Differences in the Clinical Outcomes and Pharmacoeconomic Aspects of COX-2 Inhibitors and NSAIDS in a Managed Care Population. (Sponsor by Pharmacia Pharmaceutical company) (Awarded \$40,000)
- 2002- 2003 **Co-Investigator**
Impact of Pharmaceutical Care on Congestive Heart Failure Patients (Granted \$10,000 by Nova Southeastern University President's Annual Faculty Research and Development Grant)
- 2001 **Co-Investigator**
Development And Implementation Of A Pilot Non-Punitive Medication Error Reporting (Cooperation with Jackson Memorial Hospital, Granted \$2,325)
- 2001 **Co-Investigator**
The Impact of Treatment Adherence Groups on Compliance and the Progression of HIV Infection (Cooperation with Brookdale University Hospital & Medical Center; Granted \$2,500 from the Center for Proper Medication Use)
- 2000 – 2001 **Co-Investigator**
The Design of Collaborative Learning Environments: Building Community on the Web (Granted \$1,500 from Nova Southeastern University President's Annual Faculty Research and Development Grant)
- 1999- 2002 **Co-Investigator**
Quality of Life for Hypertension Disease Management Project
(Cooperation with Preferred HMO, Target Pharmacy; Granted \$120,000 from Parke Davis Pharmaceuticals)
- 1998- 2001 **Co-Investigator**
Community pharmacists' impact on compliance with Hypertensive medication
(Cooperation with Medpartner, Ekerd Pharmacy; Granted \$130,000 from Parke Davis Pharmaceuticals)
- 1999 **Principal Investigator**

A Statewide Survey of Florida Pharmacists Knowledge of OTC Herbal Remedies
(Granted \$1,000 from Florida Pharmacy Association Foundation)

1998

Principal Investigator

Established and Implemented an International Distance Learning Pharmacy Disease Management course via ISDN-based Interactive system with the National Defense Medical University, Taiwan (Granted \$6,000 from National Defense Medical Center of Taipei, Taiwan)

1998

Principal Investigator

Trend Analysis of Hypercholesterolemia Medication Use Among Office-Based Physicians in the United State (Granted \$2,500 from Nova Internal Grant) (data mining research, data extracted from National Center of Health Statistics)

1997

Principal Investigator

Management of Hypercholesterolemia Among Office-Based Physicians in the United State (Granted \$2,500 from Nova Internal Grant) (data mining research, data extracted from National Center of Health Statistics)

1995 -1996

Senior Graduate Research Assistant

Drug Use Review research project granted from the University of Maryland Center on Drug and Public Policy (CDPP)

My major responsibility included using SAS statistical software for the following:

- (1) Manipulate and analyze the Medicaid drug claim data
- (2) Test sensitivity and specificity of DUR screening criteria

1992- 1994

Graduate Research Assistant

A research project granted from U.S. Food & Drug Administration (FDA) at University of Maryland at Baltimore

My responsibilities included the following:

- (1) Assist developing the New Drug Application(NDA) computerized evaluation..
- (2) Assist designing a gateway to allow FDA staffs to access their VAX ORACLE databases from their individual personal computer by using a PC graphical interface.
- (3) Assist designing several programs by using the following server tools: ORACLE's OracleCard, ObjectiveVision.

1992- 1994

Graduate Research Assistant

Physician Profiling research project granted from the University of Maryland Center on Drug and Public Policy (CDPP)

My responsibilities included using SAS statistical software for the following:

- (1) Assist conducting an outcome research for Maryland Medicaid program based on the high utilization Medicaid recipients
- (2) Assist conducting an economical study for Maryland Medicaid program based on the high reimbursement health providers

2000 – 2003

NIH/National Institute of Health (R01) - Principal Investigator

Alternative and Complementary Medical Education Institute

(Conducted a 1.37 million grant proposal with 7 NSU colleges for NIH new complementary and alternative medicine education project grant (PAR-00-027))
(Not funded)

2009 - 2010

NIH/National Institute of Mental Health (R13) – Statistics Consultant

Autism Spectrum Disorders from Infancy to Adulthood: Biological, Educational, and Psychosocial Advances. (Not Funded, plan to resubmit)

Publications

Lai L. An Economic and Outcome Evaluation of Pharmaceutical Care Services Program For Maryland Medicaid Recipients (*Ph.D. Dissertation, University of Maryland at Baltimore, 1996*)

Lai L. Assessing Data Quality For Decision Support - Emphasis on Secondary Analysis. *Pharmacy Practice Manage Quarterly 1998;18:46-51.*

Lai L. Sorkin A. Cost Benefit Analysis of Pharmaceutical Care in Medicaid Population - From Budgetary Perspective. *Journal of Managed Care Pharmacy 1998;4:303-308.*

Lai L. Effects of a Pharmaceutical Care Intervention in Primary Care Ambulatory Settings Among Medicaid Population. *Journal of Pharmaceutical Care 1998,2:1-13.*

Dutta S. Ting C, Lai L. Prevalence, Etiology and Severity of Acute Pancreatitis in Patients Infected with Human Immunodeficiency Virus. *The American Journal of Gastroenterology 1997,92:2044-2048.*

Lai L. Does Pharmaceutical Care Service Change the Utilization and Cost of Medicaid ? *Pharmacy and Managed Care 1999;January/February, Vol. 6, No. 1: 7-12.*

Lai L. A Statewide Survey of Pharmacists Knowledge of OTC Herbal Remedy. *Florida Pharmacy Today, 1999,Vol 60:9: 12-15.*

Lai L. Chapter 30. Medicare and Managed Care. Instructor's Manual and Test Bank for The Essentials of Managed Health Care. 4th Edition. Aspen Publications 2000

Lai L. Chapter 31. Medicaid and Managed Care. Instructor's Manual and Test Bank for The Essentials of Managed Health Care. 4th Edition. Aspen Publications 2000

Lai L. Chapter 32. Legal Issues in Provider Contracting. Instructor's Manual and Test Bank for The Essentials of Managed Health Care. 4th Edition. Aspen Publications 2000

Lai L. Chapter 33. Legal Liability Related To Medical Management Activities. Instructor's Manual and Test Bank for The Essentials of Managed Health Care. 4th Edition. Aspen Publications 2000

Lai L. Chapter 34. The Health Insurance Portability and Accountability Act of 1996. Instructor's Manual and Test Bank for The Essentials of Managed Health Care. 4th Edition. Aspen Publications 2000

Lai L. Chapter 35. State Regulation of Managed Care. Instructor's Manual and Test Bank for The Essentials of Managed Health Care. 4th Edition. Aspen Publications 2000

Lai L. Chapter 36. Managed Care's Regulatory Evolution: Driving Change in The New Century. Instructor's Manual and Test Bank for The Essentials of Managed Health Care. 4th Edition. Aspen Publications 2000

Lai L., Poblet M., Bello C. Are Patients with Hyperlipidemia Being Treated? Investigation of Cholesterol Treatment Practices in an HMO Primary Care Setting. *Southern Medical Journal, 2000; 283-286.*

Hardigan P., Lai L., Carvajal M. Structural Equation Models of Job Satisfaction: The Influence of Moderating Variables. *Journal of Pharmaceutical Marketing and Management, 2000; Vol. 13: 4: 57-71.*

Lai L, Alfred L. Impacts of Consultant Pharmacist Intervention on Antibiotic Therapy For Nursing Home Facility Residents Aged 85 and Older. *Consultant Pharmacist 2001; February, Vol. 16, No. 2: 130-134.*

Hardigan P., Lai L., Robeson A.. The Significance of Academic Merit, Test Scores and Interviews in the

Admissions Process: A Case Study. *Am. J. Pharm. Educ*; 2001 , 65, 40-43.

Bailin A., Lai L. Are Pharmacists In Mail Order Pharmacy Performing Pharmaceutical Care? *Journal of Managed Pharmaceutical Care* 2002;1;3:61-69.

Singh D., Lai L.et. al. Role of Clinical Pharmacist in a Heart Failure Patients. *Hospital Pharmacy* 2005; 40; October: 890-896.

Lai L., Novoa G. Hypertensive Disease Management Community Outreach Program in Hispanics. (Letter to Editor) *Southern Medical Journal*. 2005;98;7:748-749.

Lai L. Measuring Indirect Benefits of Pharmacy Services Program – An Economic Evaluation Using Human Capital Approach. *Journal of Pharmaceutical Finance, Economics, and Policy* 2005;14;1:3-16.

Lai L. Community Pharmacy-Based Hypertension Disease Management Program in a Latino-American Population. *Consultant Pharmacist* 2007; May, Vol. 22, No. 5: 411-416.

Lai L., Gharib S. Analysis of Potential Drug-Drug Interactions on Angiotensin Converting Enzyme (ACE) Inhibitors in the United States Outpatient Settings. *Journal of Pharmaceutical Finance, Economics, and Policy* 2007;17;1.

Wu H., Lai L. Prospective of Taiwan Pharmacy Education. *The J of Taiwan Pharmacy* 2008, 97: 1-14.

Huang HF., Lai L., et. al. Using an Exploratory Approach to Help Autistic Children Learn Mathematics. *Creative Education* 2010: 1, No. 3: 149-153.

Lai L., Tan MH., et.al. Prevalence and Factors Associated with Off-Label Antidepressant Prescriptions for Insomnia. *Drug, Healthcare and Patient Safety* 2011;3 27-36.

Metscher D., Lowe W., Barnes F., Lai L. Using Leadership Commitment for Civil Servants and Air Force Personnel in Times of Conflict. 2011: XXXV, No. 1: 125-133.

Huang HF., Lai L., Rivera HJ. Effective Mathematics Strategies for Pre-School Children with Autism. *Australian Primary Mathematics Classroom* 2012;17(2): 25-30.

Yang T., Nyiawung D., Silber AI, Jao J., Lai L., Bai S. Comparative Studies on Chitosan and Poly(lactic-co-glycolic Acid Incorporated Nanoparticles of Low Molecular Weight Heparin. *AAPS Pharm Sci Tech* 2012 DOI: 10.1208/s12249-012-9854-8.

Lai L. Chapter 2. Financing Health Care in the United States. *Pharmacy and the U.S. Health Care System*. 4th Edition, Pharmaceutical Press, Royal Pharmaceutical Society of Great Britain 2013: 21-34. ISBN 9780857110220,

Nakagawa N., Lai L., Mano N. Comparison of Pharmacy Practice training in Pharmaceutical Education for 6 years in Japan with Advanced Pharmacy Practice Experience at Nova Southeastern University in the United States. *Japanese Journal of Pharmaceutical Health Care and Science* 2013;39(1) 25-32.

Lai, L., Harrington, C., Armayor, G. The effects of Medicare Part D Drug Coverage on Prescription Drug Use for Elderly with Sleep Disorders in The United States. *International Review of Business and Social Sciences*. 2013: 2(2) 1-11.

Popovici, I., Lai, L., Lopez-Evangelio F. Non-Medical Use of Prescription Drugs and Health Services Utilization. *Journal of Developing Drugs* 2013;2:104.

Lai, L., Nguyen T, Ting A, Yang T, Bai S. Nanomedicine: Economic Prospect and Public Safety. *Journal of Developing Drugs* 2013;2(3) 1-2.

Nakagawa N., Kusaba M., Ozaki F., Maekawa M., Matsuura M., Hisamichi K., Murai Y., Gershma J., Lai L., Mano N. Comparison of Drug Information Practice Experience between Tohoku University Hospital Pharmacy in Japan and College of Pharmacy at Nova Southeastern University in the United States. *Japanese Journal of Drug Information* 2014;16(3) 143-151.

Tenam-Zamach, M., Kirchgessner, M., Pecore, J., Lai, L. Development of an Innovative Method for Analyzing the Presence of Environmental Sustainability Themes and an Ecological Paradigm in Science Content Standards. *Studies in Educational Evaluation* 2014;41,133-142.

Lai L., Almasri D. Sanabria S. Undertreatment of Migraine in the United States– A Population Based Study. *American Journal of Pharmacy & Health Research* 2015;3(3).

Althemery A., Lai L., Alfaifi A. Socioeconomic Factors Associated With Cholesterol Monitoring Among Patients with Hyperlipidemia; Application of The Andersen Behavioral Model. *International Journal of Medical and Health Sciences* 2015 4(2), 275–281.

Lai L., Bleidt B., Singh-France D., Elusma C., Huh G. Trends in Benzodiazepine Prescribing Under Medicare Part D in USA: Outpatient Settings 2005-2009. *Journal of Pharmaceutical Health Services Research* 2015; 6:133-138.

Lai L., Alfaifi A., Althemery A. Healthcare Disparities in Hispanic Diabetes Care - A Propensity Score-Matched Study. *Journal of Immigrant and Minority Health* 2016 Sep. DOI: 10.1007/s10903-016-0505-0.

Yang T, Fogarty B, LaForge B, Aziz1 S, Pham1 T, Lai L, Bai S. Delivery of Small Interfering RNA to Inhibit Vascular Endothelial Growth Factor in Zebrafish Using Natural Brain Endothelia Cell-secreted Exosome Nanovesicles for the Treatment of Brain Cancer. *The AAPS Journal* 2016 November (Accepted_AAPSJ-D-16-00209R1).

Abstracts and Presentations

1. Lai L, Speedie S, et.al. Outcome Evaluation of Pharmaceutical Care Services Program for MD medicaid Recipients. AphA-APRS presentation at the AphA 1997 Annual Meeting and Exposition, March 10, 1997, in Los Angeles, California.

2. Lai L. An Outcome Study of Pharmaceutical Care Services Program. State of Maryland Drug Use Review Board. Federal Fiscal Year 1995 Annual Meeting.(Presentation, 5/1995, Maryland)

3. Ting C, Dutta S, Lai L. Study of Prevalence, Severity and Etiological Factors Associated with Acute Pancreatitis in Patients Infected with Human Immunodeficiency Virus. *American Gastroenterological Association, Digestive Disease Week, May 1995 in San Diego*

4. Ting C, Dutta S, Lai L. Study of Prevalence, Severity and Etiological Factors Associated with Acute Pancreatitis in Patients Infected with Human Immunodeficiency Virus. *1995 Research Symphony of the Johns Hopkins University*

5. Correa C., Lai L. Patients Receiving Fluvastatin have lower Cholesterol Levels than Patients Receiving Pravastatin for Hyperlipidemia. 13th International Conference on Pharmacoepidemiology. August 1997. Orlando, Florida.

6. Lai L. Economic Evaluation of Pharmaceutical Care Services Program. 7th International Public Health Pharmacy Issues Conference. August 1997. Vancouver, Canada.
7. Hsu J., Ellington TM., Lai L. et. al. The Current Use of High-Dose Aminoglycosides in the Hospitals Throughout the United States. 28th Annual Southeastern Residency Conference. May 1997, Athens, Georgia.
8. Thian Y. Lai L. How Much Pharmacists Know About Over-The-Counter Herbal Products. 1998 American Pharmaceutical Association (APhA) Annual Meeting and Exposition, March 21-25, 1998, Miami, FL.
9. Pharm H. Lai L. Drug Information Services In South Florida: Determination of Health Professionals' Needs. 1998 APhA Annual Meeting and Exposition, March 21-25, 1998, Miami, FL.
10. Ponce A. Lai L. Physicians' Perspectives: The Impact of Sumatriptan In Reducing the Utilization of Health Care Sources. 1998 APhA Annual Meeting and Exposition, March 21-25, 1998, Miami, FL.
11. Lai L. Ting C. Poblet M. Rodowskas CA. Investigation of Hypercholesterolemia Treatment in HMO Primary Care Setting. 1998 APhA Annual Meeting and Exposition, March 21-25, 1998, Miami, FL.
12. Lai, L. Building the Managed Care Pharmacists of Tomorrow: Integrating Managed Care into Pharmacy Curriculum. 1998 American Association of Colleges of Pharmacy(AACP) Annual Meeting on July 21, 1998. Snowmass, CO.
13. Lai, L. Teaching Research Designs and Statistics to Non-Traditional Pharm.D. Program Via ISDN - Interactive Distance Learning System. 1998 American Association of Colleges of Pharmacy(AACP) Annual Meeting on July 21, 1998. Snowmass, CO.
14. Hardigan, P. Lai, L. The significance of Academic Merit, Test Scores and Faculty Interviews on the Admission Process: A Case Study. 1998 American Association of Colleges of Pharmacy(AACP) Annual Meeting on July 21, 1998. Snowmass, CO.
15. Lai L. Pain Treatment Alternative: A Discussion and Acupuncture Examination. 8th Annual Program on Contemporary Pharmacy Issue. May, 1998, Ft. Lauderdale, FL.
16. Lai L. Developing an International Multimedia Distance Education Project for Pharmacists between U.S. and Taiwan. 58th International Congress of FIP, September, 1998, The Hague, The Netherlands.
17. Lai L, Alfred L. Effects of the Pharmaceutical Care Intervention on Antibiotic Therapy in a Nursing Home. 1999 APhA Annual Meeting and Exposition, March 5-9, 1999, San Antonio, Texas.
18. Kaplan M., Lai L. A Comparison of Drug Packaging/Delivery Systems in Assisted Living Facilities (ALF). 1999 APhA Annual Meeting and Exposition, March 5-9, 1999, San Antonio, Texas.
19. Rodowskas C., Lai L. Women in Pharmacy: Demographic Trends and Productivity Implications. 1999 APhA Annual Meeting and Exposition, March 5-9, 1999, San Antonio, Texas.
20. Barlows T., Lai L. Outcome Evaluation of a Multi-Disciplinary Pharmaceutical Care Services in a Community Hospital Critical Care Unit. 1999 ACCP Annual Meeting, April 8 - 13, 1999, Orlando, FL.
21. Lai L., Sorkin A., Quantification of Indirect Benefits From Morbidity and Mortality Reduction - Application to Pharmacy Services Program Evaluation. (Discussion panel and Poster presentation) 4th Annual Meeting of International Society for Pharmacoeconomics and Outcome Research, May 23-25, 1999, Crystal City, VA.

22. Martinez R., Stanislav S., Rey J., Lai L. A Ten Month Cost Comparison of Olanzapine and Risperidone, Southeastern Residency Conference, April 20-30, 1999
23. Martinez R., Stanislav S., Rey J., Lai L. A Ten Month Cost Comparison of Olanzapine and Risperidone, 39th Annual Meeting of New Clinical Drug Evaluation Unit Program, National Institutes of Health, Boca Raton, Florida, June 1-4, 1999.
24. Plasencia C., Graham K., Lai L., Shaffer A. Health Beliefs of Patients with HIV Requiring Hospitalization versus Patients in the Ambulatory Care Setting. Southern Residency Meeting May, 1999
25. Lai L. Florida Pharmacists Knowledge of Herbal Remedies. The Florida Pharmacy Association, 109th Annual Meeting and Convention, June, 1999.
26. Lai L., Yen J. A Pharmacist's Introduction to Oriental Medicine. The Florida Pharmacy Association, 109th Annual Meeting and Convention, June, 1999.
27. Meadors T., Lai L. Patient Satisfaction as a Tool for Determining Patient Desire for Disease Management Provided by Retail Pharmacist. The Florida Pharmacy Association, 109th Annual Meeting and Convention, June, 1999.
28. Fine R., Lai L. Impact of an Automatic Creatinine Clearance Dosing Adjustment Program in Regional Medical Center. 1999 Florida Society of Health-System Pharmacists (FSHP) Annual Meeting, Orlando, FL. August 19-22.
29. Guzman W., Lai L. Barriers of the Implementation of Pharmaceutical Care in Puerto Rico Teaching Hospital. 1999 Florida Society of Health-System Pharmacists (FSHP) Annual Meeting, Orlando, FL. August 19-22.
30. Ojo P., Lai L. Providers Cost and Patients Benefits from Pharmacist's Accessibility to a Minority Community. 1999 Florida Society of Health-System Pharmacists (FSHP) Annual Meeting, Orlando, FL. August 19-22.
31. Sanchez M., Mosanto H., Lai L. Do Patients Understand the Need for Pharmacy Services in the Community Pharmacy Setting? 1999 Florida Society of Health-System Pharmacists (FSHP) Annual Meeting, Orlando, FL. August 19-22.
32. Fournier L., Lai L., Vattikonda C. Pediatric Vancomycin Dosing for Optimal Serum Concentration. 1999 Florida Society of Health-System Pharmacists (FSHP) Annual Meeting, Orlando, FL. August 19-22.
33. Bailin A., Lai L. Pharmaceutical Care in Mail Order Pharmacy - The Debate Goes On... 1999 Florida Society of Health-System Pharmacists (FSHP) Annual Meeting, Orlando, FL. August 19-22.
34. McGrath J., Lai L. What Type of Information are Patients Looking For? How can Pharmacists Help? 1999 Florida Society of Health-System Pharmacists (FSHP) Annual Meeting, Orlando, FL. August 19-22.
35. Busatto M., Lai L. Appropriateness in Use of Filgrastim in HIV and Cancer Patients. 1999 Florida Society of Health-System Pharmacists (FSHP) Annual Meeting, Orlando, FL. August 19-22.
36. Busatto M., Lai L. Factors that Determine the prescription Costs of a Medicare Population in Health Maintenance Organization Settings. 1999 Florida Society of Health-System Pharmacists (FSHP) Annual Meeting, Orlando, FL. August 19-22.
37. Schnacky K., Lai L., An Innovative Drug Use Evaluation of Lansoprazole. 1999 Florida Society of Health-System Pharmacists (FSHP) Annual Meeting, Orlando, FL. August 19-22.

38. Belbisi E., Lai L. Pharmacists' Attitude Toward Regulating the Sale of Needles/ Syringes in the State of Florida. 1999 Florida Society of Health-System Pharmacists (FSHP) Annual Meeting, Orlando, FL. August 19-22.
39. Fine R., Lai L. Impact of an Automatic Creatinine Clearance Dosing Adjustment Program in Regional Medical Center. 1999 American Society of Health-Care System Pharmacists (ASHP) Midyear Clinical Meeting, Orlando. FL.
40. Guzman W., Lai L. Barriers of the Implementation of Pharmaceutical Care in Puerto Rico Teaching Hospital. 1999 American Society of Health-Care System Pharmacists (ASHP) Midyear Clinical Meeting, Orlando. FL.
41. Sanchez M., Mosanto H., Lai L. Do Patients Understand the Need for Pharmacy Services in the Community Pharmacy Setting? 1999 American Society of Health-Care System Pharmacists (ASHP) Midyear Clinical Meeting, Orlando. FL.
42. Bailin A., Lai L. Pharmaceutical Care in Mail Order Pharmacy - The Debate Goes On... 1999 American Society of Health-Care System Pharmacists (ASHP) Midyear Clinical Meeting, Orlando. FL.
43. McGrath J., Lai L. What Type of Information are Patients Looking For? How can Pharmacists Help? 1999 American Society of Health-Care System Pharmacists (ASHP) Midyear Clinical Meeting, Orlando. FL.
44. Schnacky K., Lai L., An Innovative Drug Use Evaluation of Lansoprazole. 1999 American Society of Health-Care System Pharmacists (ASHP) Midyear Clinical Meeting, Orlando. FL.
45. Belbisi E., Lai L. Pharmacists' Attitude Toward Regulating the Sale of Needles/ Syringes in the State of Florida. 1999 American Society of Health-Care System Pharmacists (ASHP) Midyear Clinical Meeting, Orlando. FL.
46. Zalewski S., Lai L. et. al. Antiretroviral Trends In Pregnancy. Podium Presentation at the American Pharmaceutical Association (AphA) 147th Annual Meeting & Exposition, March 10-14, 2000.
47. Pusey S., Lai L., et. al. The Development of Lipid Clinic in a University Pharmacy. Poster Presentation at the American Pharmaceutical Association (AphA) 147th Annual Meeting & Exposition, March 10-14, 2000. Washington DC.
48. Speedy C., Lai L. Do You Have Any Pre-Existing Disease Condition ? Poster Presentation at the American Pharmaceutical Association (AphA) 147th Annual Meeting & Exposition, March 10-14, 2000 Washington DC.
49. Martinez B., Lai L. Implementation of a Pharmacokinetic Data Form for Vancomycin Monitoring in a Tertiary Hospital, in Mayaguez, Puerto Rico. Poster Presentation at the American Pharmaceutical Association (AphA) 147th Annual Meeting & Exposition, March 10-14, 2000 Washington DC.
50. Rodriguez V., Lai L. Is the Independent Community Pharmacy Owner Ready to Invest in a Pharm D. Graduate? Poster Presentation at the American Pharmaceutical Association (AphA) 147th Annual Meeting & Exposition, March 10-14, 2000 Washington DC.
51. Costas P., Lai L. Does Pharmacist Intervention Affect in the Selection of OTC Drug Product? Poster Presentation at the American Pharmaceutical Association (AphA) 147th Annual Meeting & Exposition, March 10-14, 2000 Washington DC.
52. Sanchez-Jimenez B., Lai L. The Impact of Pharmaceutical Education to Menopausal Women as a Decision Support to Use the Hormone Replacement Therapy. Poster Presentation at the American

Pharmaceutical Association (AphA) 147th Annual Meeting & Exposition, March 10-14, 2000 Washington DC.

53. Villman M., Lai L. et.al. Economic Evaluation of Trovafloxacin and Levofloxacin versus Ceftriaxone with Azithromycin in Elderly Hospitalized Patients with Community Acquired Pneumonia. Poster Presentation at the American College of Clinical Pharmacy, April 2-5, 2000, Monterey, California.

54. Gracia L., Lai L. et. al. The Clinical Application of Free Phenytoin Levels in Puerto Rican Veterans. Poster Presentation at the American College of Clinical Pharmacy, April 2-5, 2000, Monterey, California.

55. Hosein S., Colodny L., Lai L. The Impact of Pharmacists's Interventions in Drug Therapy at a Teaching Hospital. Annual Southeastern Residency Conference. May 2000, Athens, Georgia.

56. Graham K., Hufcut RM., Copeland CM., Lai LL. Flouroquinolone Exposure and the Development of Nosocomial MRSA Bacteremia. International Conference on Nosocomial and Healthcare-Associated Infections, March 4, 2000, Atlanta, GA.

57. Pabon-Padilla E. Lai L.. Professional Nursing Staff Expectation about Pharmaceutical Care. 5th Congress of the European Association of Hospital Pharmacists. Palacio de Congresos, March, 2000, Madrid, Spain.

58. Griffith J. Lai L.. The Satisfaction and Economic Evaluation of Converting a Traditional Hospital System using a Unit Dose System, at a Hospital in Barbados, West Indies. 5th Annual Meeting of International Society for Pharmacoeconomics and Outcome Research, May 21-24, 2000, Crystal City, VA.

59. Aponte M., Lai L.. Dispensing Errors in High Volume Outpatient's Department Pharmacy. Annual Meeting of the American Society of Health-System Pharmacy, July 15, 2000, Philadelphia.

60. Lai L.. Statistical Sampling Methods. . Department of General Surgery, Mount Sinai Medical Center, June 6, 2000, Miami Beach, Florida.

61. Oliver S., Lai L.. Reduction in the Utilization of Medical Services Providing Pharmaceutical Care to a Pediatric Population. Florida Pharmacy Association 110th Annual Convention. July 5-9, 2000. Orlando, FL.

62. Wilson M., Lai L. Inappropriate Prescribing in the Elderly: A Community Pharmacy Perspective. 2001 FSHP Annual Meeting, August 10-12. Orland, Florida.

63. Rodriguez C., Torres M., Lai L.. Immunoprophylaxis with Palivizumab for Prevention of RSV Infection Reduces Hospitalization in Hispanic Population: Puerto Rico. Puerto Rico College of Pharmacy Annual Meeting, August 24-27, 2000.

64. Ferrer J., Lai L. Patient Satisfaction with Pharmacist Counseling in Chain Community Pharmacies of the Southern Region of Puerto Rico. Puerto Rico College of Pharmacy Annual Meeting, August 23, 2001.

65. Lai L. Pharmacists and Physicians in the Value Chain: Economic View. Invited Podium Presentation to Pharmacy and Pharmaceutical World Congress – FIP. September 1-6, 2001, Singapore.

66. Hardigan P., Lai L. Carvajal M. Modeling Pharmacist Job Satisfaction: Taiwan v.s. U.S. Pharmacy. 61st Pharmaceutical World Congress – FIP. September 1-6, 2001, Singapore.

67. Hogrefe CH, Lai LL.Can Pulse (Once Daily) Aminoglycoside Dosing Save Pharmacy Time While Generating the Same Quality Outcomes as Standard Pharmacokinetic Dosing? ASHP Midyear Clinical Meeting, 2001, New Orleans, LA

68. Mlodozienec K. Lai LL. Community Pharmacist' Attitudes Toward Internet Pharmacy. American Pharmaceutical Association (AphA) 149th Annual Meeting & Exposition, March, 2002 Philadelphia.
69. Lai LL, Malave A, Hardigan W. Developing a Pharm.D. International Program for Foreign Pharmacy Graduates. 5th Pan American Conference on Pharmaceutical Education, May 4 – 8, 2002. Miami Florida.
70. Santiago M., Lai L., et. al. Risk Factors Among Healthcare Workers Exposed to Blood-Borne Pathogens Prophylaxis Protocol at State Insurance Fund Corporation. Annual Conventoin of the Colegio de Farmaceuticos de Puerto Rico, August 8-11, 2002. Rio Grande, Puerto Rico.
71. Tirado A., Lai L., The Healthcare Reform in Puerto Rico and Impact in the Medical Community. Annual Conventoin of the Colegio de Farmaceuticos de Puerto Rico, August 8-11, 2002. Rio Grande, Puerto Rico.
72. Lai L., Effects of Hypertension Compliance Program in Community Pharmacy. . 62nd Pharmaceutical World Congress – FIP. September , 2002, Nice, France.
73. Martino A., Lai L. Patient Perception About Drive Through Pharmacy Services. American Pharmacists Association (APhA) 2003 Annual Meeting & Exposition, March, 2003 New Orleans.
74. Fosu K., Lai L. Pharmaceutical Care, Who is to Pay for Such Services. 113th Annual Meeting & Convention of Florida Pharmacy Association, June, 2003, Wesley Chapel, Florida.
75. Lannigan J., Lai L. Is There a Correlation between Age and the Incidence of Adverse Drug Reactions? Florida Society of Health-System Pharmacists, Inc., August 8-10, 2003, Orlando, Florida.
76. Hollis M., Lai L. The Effect of Patient Length of Stay on Drug Costs for a Large Hospice Program, Florida Society of Health-System Pharmacists, Inc, August 8-10, 2003, Orlando, Florida.
77. Simon L., Lai L., Rondino P., Simon W., Markakis E. A Prospective Study Correlating Enoxaparin Efficacy as Measured by Antifactor Xa Activity with Estimated Creatinine Clearance in Acute Cardiac Patients with Chronic Renal Impairment. 113th Annual Meeting & Convention of Florida Pharmacy Association, June 2003, Wesley Chapel, Florida.
78. Vadell M., Lai L. The Variations of Shift Workers Performance and Quality of Life as a Function of Time of Day due to Sleeping Patterns. Colegio De Farmaceuticos De Puerto Rico, August 21-24, 2003, Fajardo, Puerto Rico.
79. Nicolau I., Lai L., Domanico T. Strategies for Optimizing Medstation Inventory. Colegio De Farmaceuticos De Puerto Rico, August 21-24, 2003, Fajardo, Puerto Rico.
80. Barreal I., Lai L. Bio-economics in the Selection of Zosyn (Sterile Piperacillin Sodium/Tazobactam Sodium) In Puerto Rico Hospital Pharmacy. Colegio De Farmaceuticos De Puerto Rico, August 21-24, 2003, Fajardo, Puerto Rico.
81. Pieters D., Lai L. To Measure The Effectiveness of a Drug Interaction Program at Educating Physicians and thereby Reducing Adverse Drug Interactions. 113th Annual Meeting & Convention of Florida Pharmacy Association, June 2003, Wesley Chapel, Florida.
82. Ortiz B., Lai L. Evaluation of the Smoking Status of Puerto Rico Pharmacists. Colegio De Farmaceuticos De Puerto Rico, August 21-24, 2003, Fajardo, Puerto Rico.
83. Rivera E., Segovia D., Lai L. Impact of Decentralized Pharmacists Activities on the Overall Pharmacy Services. Colegio De Farmaceuticos De Puerto Rico, August 21-23, 2003, Fajardo, Puerto Rico.

84. De La Cova M., Lai L. Observational Study of Bleeding Complications in Patients with Renal Dysfunction vs. Patients with Normal Renal Function Receiving Enoxaparin in a Community Hospital. 112th Annual Meeting & Convention of Florida Pharmacy Association, June 19-23, 2002, Hollywood Florida.
85. Simon G., Lai L. The Role of the Nuclear Pharmacist in providing pharmaceutical care. Canadian Pharmacists Association 91st Annual Conference, May 31- June 3, 2003, Vancouver BC.
86. Hopkins D., Lai L. Targeting Vancomycin and Aminoglycoside Serum Drug Levels in an effort to calculate the Pharmacoeconomic and Therapeutic Impact on Patient Care. 112th Annual Meeting & Convention of Florida Pharmacy Association, June 19-23, 2002, Hollywood Florida.
87. Aguilar-Bravo E., Lai L. Education Level in Pharmacy Practice in Community and Hospital in Metropolitan Area in Monterrey, Mexico. IV Congress of Pharmaceutical Biologists Chemists (Quimico Farmaceutico Biologo, QFB), August 22, 2002, Monterrey, Mexico.
88. Lai L., Martino A. Application of Customer Relationship Management Model to Evaluation Drive Through Pharmacy Services. . 63th Pharmaceutical World Congress – FIP. September , 2003, Sydney, Australia.
89. Fernandez S., Lai L., Bartolomei J. Cross-Sectional Analysis of the Puerto Rico Diabetes Surveillance System. The Annual Convention of the Colegio De Farmaceuticos De Puerto Rico, August 26-29 2004, Fajardo, Puerto Rico.
90. Sota A., Lai L. The impact of Pharmaceutical Care When Selecting Over the Counter Medication: A Survey Study in Community Pharmacy. The Annual Convention of the Colegio De Farmaceuticos De Puerto Rico, August 26-29 2004, Fajardo, Puerto Rico.
91. Rosendo L., Castro M., Lai L. The Knowledge and Attitude Toward Epilepsy in Puerto Rico. The First Forum of Chronic Disease in the Americas and Caribbean, June 21-25 2004, San Juan, Puerto Rico.
92. Mathew T., Lai L. Impact of Formulary Substitution in a Mail Order Pharmacy Setting. 39th ASHP Midyear Clinical Meeting and Exhibits, December 5-9, 2004, Orlando Florida.
93. Tinsley M., Lai L. Does the Ease of Use of Computerized Physician Order Entry Cause a Decrease in Medication Error. 39th ASHP Midyear Clinical Meeting and Exhibits, December 5-9, 2004, Orlando Florida.
94. Pasternac K., Lopez-Samblas A., Batancourt F., Hartsten A., Lai L. Effectiveness of an Intervention Program in Optimizing Antimicrobial Utilization in a Newborn Intensive Care Unit. 39th ASHP Midyear Clinical Meeting and Exhibits, December 5-9, 2004, Orlando Florida.
95. Lopez-Samblas A.,Lai L. Evaluation of Amphotericin B Products to Identify Opportunities for Cost Reduction in a Large Teaching Institution. 39th ASHP Midyear Clinical Meeting and Exhibits, December 5-9, 2004, Orlando Florida.
96. Choy H., Villman M., Lopez-Samblas A.,Lai L. Evaluation of Intravenous Medication Administration Methods in a Children’s Hospital. 39th ASHP Midyear Clinical Meeting and Exhibits, December 5-9, 2004, Orlando Florida.
97. Nicolau I., Perez M., Lai L. Vancomycin Medication Use Evaluation in a Pediatric Population in a Large Teaching Hospital. 39th ASHP Midyear Clinical Meeting and Exhibits, December 5-9, 2004, Orlando Florida.

98. Delgado-García E., Lai L. Pharmaceutical Interventions in Prescription Errors at Community Pharmacies. . The Annual Convention of the Colegio De Farmaceuticos De Puerto Rico, August 26-29 2004, Fajardo, Puerto Rico.
99. Hernández-Rivera M, Lai L. Impact of drug withdrawal from the market in the utilization of complementary and alternative medicine. Annual Convention of the Colegio De Farmaceuticos De Puerto Rico, August 25-28 2005, Puerto Rico
100. Alvarez-Salgado LI, Lai L. Perceptions, expectations, and acceptance of physicians about clinical pharmacist's interventions in the health care of their patients: An ambulatory care setting. Annual Convention of the Colegio De Farmaceuticos De Puerto Rico, August 25-28 2005, Puerto Rico
101. Xilma L., Lai L. Use of over-the-counter medications in hypertensive patients. 115th Annual Meeting & Convention of Florida Pharmacy Association, June 2005, Marco Island, Florida.
102. Hsieh M., Lai L., Tsai P. Survey patient's attitudes of Florida Medicaid prescription drug formulary policy. 2005 ASHP Midyear Clinical Meeting, December 4-8 2005. Las Vegas, Nevada.
103. Guirand L., Lai L. Evaluation of Extrapyrarnidal Side Effects Associated With Antipsychotic Drugs in Psychiatric Patients. The Pharmacy Society of Wisconsin Annual Educational Conference, April 27, 2006, Madison, Wisconsin.
104. Lai L, Gharib S. Analysis of Prevalence and Patient Characteristics Associated with Potential Drug-Drug Interaction on Angiotensin Converting Enzyme (ACE) Inhibitors: Results from the National Ambulatory Medical Care Survey. APhA2007 Annual Meeting & Exposition, March 16 – 19, 2007, in Atlanta, Georgia.
105. Lai L, Gharib S. Drug-Drug Interactions on Angiotensin Converting Enzyme (ACE) Inhibitor Prescriptions in the United States: 2001 to 2004. the ISPOR 12th Annual International Meeting, May 19-23, 2007, Crystal Gateway Marriott, Arlington, Virginia.
106. Lai L, Boyar J. Socioeconomic factors of insomnia prescriptions in a national database. The ISPOR 14th Annual Meeting, May 2009, Orlando, Florida.
107. Lai L, Boyar J. Insomnia drugs and physician prescribing patterns in a national database. APhA 2010 Annual Meeting & Exposition. Washington, DC.
108. Lai L, Boyar J, Chen L. Sociodemographic patterns of insomnia drug prescriptions. The ISPOR 15th Annual Meeting, May 2010. Atlanta, Georgia.
109. Tan MH., Lai L. Factors Associated with Off-Label Antidepressant Use for Treatment of Insomnia. ASHP Midyear Clinical Meeting, December 2011 New Orleans LA.
110. Wai C., Lai L. Breast Cancer Pharmacotherapy Prescribing in the Ambulatory Population of the United States. ASHP Midyear Clinical Meeting, December 2011 New Orleans LA.
111. Wang C., Quach K., Zagvadin A., Llewellyn R. Lai, L. Impact of Medicare Part D Program to Insomnia Prescription, National Ambulatory Medical Care Survey, 2005 vs. 2006. Academy Managed Care Pharmacy 24th Annual Meeting & Showcase, April, 2012 San Francisco, CA.
112. Martinez L., Rodriguez C. Lai L. Insomnia Prescribing Patterns in Health Maintenance Organization Outpatient Settings. Academy Managed Care Pharmacy 24th Annual Meeting & Showcase, April, 2012 San Francisco, CA.

113. Lu YH, Lin YY, Ho CT, Almasri D, Lai L. Decision Analysis of Memantine in Moderately-Severe to Severe Alzheimer's Disease. ASHP Midyear Clinical Meeting, December 2012 Las Vegas NV.
114. Lai L., Elusma C., Huh G. Ting A. Trend in Benzodiazepine Utilization Under Medicare Part D In US. Outpatient Settings, 2005 to 2009. Academy Managed Care Pharmacy 25th Annual Meeting & Showcase, April, 2013 San Diego, CA.
115. Almasri D., Alfaifi A., Althemery A., Lai, L. Gender Differences in Health-Related Quality-of-Life and Kessler 6 Index for Patients with Alzheimer's disease in the United States. Academy Managed Care Pharmacy 25th Annual Meeting & Showcase, April, 2013 San Diego, CA.
116. Lai L, Nguyen T.. Trends In Off-Label Antidepressant Uses For Insomnia In Medicare Outpatient Settings. ISPOR 18th Annual International Meeting, May 18-22, 2013. New Orleans, LA.
117. Alfaifi A. Lai L, Health Care Use and Expenditures in Diabetes Patients with Cancer. ISPOR 18th Annual International Meeting, May 18-22, 2013. New Orleans, LA.
118. Almasri D. Lai L, Effect of Insurance Coverage on Health-Care Expenditures Among Patients with Arthritis. ISPOR 18th Annual International Meeting, May 18-22, 2013. New Orleans, LA.
119. Almasri D. Lai L, Gender Differences in Health-Care Related Expenditures for Patients with Arthritis. ISPOR 18th Annual International Meeting, May 18-22, 2013. New Orleans, LA.
120. Althemery A., Lai L. Impact of Sociodemographic Factors to Patients Utilization of Blood Cholesterol Screening. ISPOR 18th Annual International Meeting, May 18-22, 2013. New Orleans, LA.
121. Popovici I., Lai L. Lopez F. Effects of non-medical prescription drug use on health services utilization. Addition Health Services Research Conference. October, 2013. Portland, OR.
122. Nguyen T., Lai L. National estimates of nanomedicine prescriptions in office-based practice. ASHP Midyear Clinical Meeting, December 2013. Orlando, FL.
123. Lai L., Nguyen T., Ting A. Trends of Nanomedicine Use in the United States Outpatient Practice, 2001 -2010 Academy Managed Care Pharmacy 25th Annual Meeting & Showcase, April, 2014 Tampa, FL.
124. Lai L. The Effect of Medicare Part D on Medication Prescribing Patterns and Drug Utilization: The case of Non-Benzodiazepine Sedative Hypnotics. ISPOR 19th Annual International Meeting, May 31 - June 4, 2014. Palais des Congrès de Montréal, Montreal, QC, Canada.
125. Alfaifi A., Althemery A., Lai L. Diet Modification in Patients with Diabetes and its Association with Health Care Utilization and Expenditure. ISPOR 19th Annual International Meeting, May 2014, Montreal, QC, Canada.
126. Althemery A., Alfaifi A., Lai L. The Prevalence And Health Care Expenditures Associated With Antihyperlipidemic Drugs. ISPOR 19th Annual International Meeting, May 2014, Montreal, QC, Canada.
127. Lai, L., Margolles, MK., Lobitz, A., French F., Lee, C. Off-Label Use of Antidepressants for Children with Attention-Deficit Hyperactivity Disorder (ADHD). Academy Managed Care Pharmacy 27th Annual Meeting & Showcase, April, 2015 San Diego, CA.
128. Lai, L., Sanabria S. Gender Disparities in Migraine Pharmacotherapy: Application of Propensity Score-Matched Analyses. ISPOR 20th Annual International Meeting, May 2015, Philadelphia, PA.

129. Althemery A., Lai, L., Alfaifi A. Socioeconomic Factors and Prescribed Medicines Expenditures Associated with Antihyperlipidemic Therapy; A Comparison between Hyperlipidemia Patients With and Without Treatment. ISPOR 20th Annual International Meeting, May 2015, Philadelphia, PA.
130. Althemery A., Lai, L., Alfaifi A. Explore Issue in National Databases Using Logistic Regression: Application of Medical Expenditure Panel Survey. ISPOR 21st Annual International Meeting, 2016, Washington, DC, USA.
131. Lai, L., Almohammed O., Ting, A. Psychopharmacotherapy and Health-Related Quality of Life: Analysis of Medical Expenditure Panel Survey. ISPOR 21st Annual International Meeting, 2016, Washington, DC, USA.
132. Lai, L., Koh, L., Ho, AH., Obi, A. Off-Label Use of Antidepressants for Children with Attention-Deficit Hyperactivity Disorder (ADHD). Academy Managed Care Pharmacy 28th Annual Meeting & Showcase, April, 2016, San Francisco CA.
133. Almutairi, M., Lai, L. Drug-drug Interactions of Tricyclic Antidepressants in US Outpatient Settings. American College of Clinical Pharmacy 2016 Annual Meeting, October, 2016, Hollywood FL.
134. Fadil, H., Lai, L. Prevalence of Selective Serotonin Reuptake Inhibitors (SSRIs) Drug-Drug Interactions in U.S. Outpatients Settings. American College of Clinical Pharmacy 2016 Annual Meeting, October, 2016, Hollywood FL.

EDUCATIONAL ACTIVITIES

Didactic/Elective Courses Teachings

2016

PHRC 5350	Research Design and Statistics (coordinator and Lecturer) (Entry Level Pharm.D. Program)
HPH 7209	Pharmacoeconomics (coordinator and Lecturer) (Ph.D. Program)
PHRP 7350	Contemporary Issue in Pharmacy (coordinator and Lecturer) (Ph.D. Program)
PHRP 7602	Big Data Analysis Using SAS (coordinator and Lecturer) (Ph.D. Program)
PHRP	Advanced Graduate Research (Coordinator) (PhD. Program)
PHRE 5995	Research in Sociobehavioral & Administrative Pharmacy I (Coordinator) (Entry Level Pharm.D. program)
PHRE 5997	Research in Sociobehavioral & Administrative Pharmacy II (Coordinator) (Entry Level Pharm.D. program)

- PHRC 4300 Pharmacy & the US Health Care System (Lecture)
(Entry Level Pharm.D. Program)
- HPH 7310 Biostatistics II (Lecturer)
(Ph.D. program)
- PHRP 7207 Secondary Data Analysis of Pharmacy Related Sources (Lecturer)
(Ph.D. program)

2015

- PHRC 5350 Research Design and Statistics (coordinator and Lecturer)
(Entry Level Pharm.D. Program)
- HPH 7209 Pharmacoeconomics (coordinator and Lecturer)
(Ph.D. Program)
- PHRP 7350 Contemporary Issue in Pharmacy (coordinator and Lecturer)
(Ph.D. Program)
- PHRC 4300 Pharmacy & the US Health Care System (Lecture)
(Entry Level Pharm.D. Program)
- PHRE 5995 Research in Sociobehavioral & Administrative Pharmacy I (Coordinator)
(Entry Level Pharm.D. program)
- PHRE 5997 Research in Sociobehavioral & Administrative Pharmacy II (Coordinator)
(Entry Level Pharm.D. program)
- HPH 7310 Biostatistics II (Lecturer)
(Ph.D. program)
- PHRP 7207 Secondary Data Analysis of Pharmacy Related Sources (Lecturer)
(Ph.D. program)
- PHRP Advanced Graduate Research (Coordinator)
(PhD. Program)

2014

- HPH 7209 Pharmacoeconomics (coordinator and Lecturer)
(Ph.D. Program)
- PHRC 5350 Research Design and Statistics (coordinator and Lecturer)
(Entry Level Pharm.D. Program)
- PHRC 4300 Pharmacy & the US Health Care System (Lecture)
(Entry Level Pharm.D. Program)
- PHRE 5995 Research in Sociobehavioral & Administrative Pharmacy I (Coordinator)
(Entry Level Pharm.D. program)
- PHRE 5997 Research in Sociobehavioral & Administrative Pharmacy II (Coordinator)
(Entry Level Pharm.D. program)

HPH 7310	Biostatistics II (Lecturer) (Ph.D. program)
PHRP 7207	Secondary Data Analysis of Pharmacy Related Sources (Lecturer) (Ph.D. program)
PHRP	Advanced Graduate Research (Coordinator) (PhD. Program)
2013	
HPH 7209	Pharmacoeconomics (coordinator and Lecturer) (Ph.D. Program)
PHRC 6370	Pharmacoeconomics and Outcome Research (Lecturer) (Entry Level Pharm.D. program)
PHRC 5350	Research Design and Statistics (Lecturer) (Entry Level Pharm.D. Program)
PHRC 4300	Pharmacy & the US Health Care System (Lecture) (Entry Level Pharm.D. Program)
PHRE 5995	Research in Sociobehavioral & Administrative Pharmacy I (Coordinator) (Entry Level Pharm.D. program)
PHRE 5997	Research in Sociobehavioral & Administrative Pharmacy II (Coordinator) (Entry Level Pharm.D. program)
HPH 7310	Biostatistics II (Lecturer) (Ph.D. program)
PHRP 7207	Secondary Data Analysis of Pharmacy Related Sources (Lecturer) (Ph.D. program)
PHRP	Advanced Graduate Research (Coordinator) (PhD. Program)
2012	
HPH 7209	Pharmacoeconomics (coordinator and Lecturer) (Ph.D. Program)
PHA 6410	Pharmacoeconomics and Pharmacoepidemiology (Lecturer) (Entry Level Pharm.D. program)
PHA 6300	Research Design and Statistics for Pharmacists (Coordinator and Lecturer) (Entry Level Pharm.D. Program)
PHA 5995	Independent Research in Sociobehavioral & Administrative Pharmacy I (Coordinator) (Entry Level Pharm.D. program)
HPH 7310	Biostatistics II (Lecturer) (Ph.D. program)

HPH 7610	Secondary Data Analysis (Lecturer) (Ph.D. program)
2011	
PHA 6410	Pharmacoeconomics and Pharmacoepidemiology (Lecturer) (Entry Level Pharm.D. program)
PHA 6300	Research Design and Statistics for Pharmacists (Lecturer) (Entry Level Pharm.D. Program)
PHA 5995	Independent Research in Sociobehavioral & Administrative Pharmacy I (Coordinator) (Entry Level Pharm.D. program)
HPH 7310	Biostatistics II (Lecturer) (Ph.D. program)
HPH 7610	Secondary Data Analysis (Lecturer) (Ph.D. program)
2010	
PHA 6410	Pharmacoeconomics and Pharmacoepidemiology (Lecturer) (Entry Level Pharm.D. program)
PHA 6300	Research Design and Statistics for Pharmacists (Lecturer) (Entry Level Pharm.D. Program)
2009	
PHA 6410	Pharmacoeconomics and Pharmacoepidemiology (Class Coordinator and Lecturer) (Entry Level Pharm.D. program)
PHA 6300	Research Design and Statistics for Pharmacists (Lecturer) (Entry Level Pharm.D. Program)
2008	
PHA 6410	Pharmacoeconomics and Pharmacoepidemiology (Class Coordinator and Lecturer) (Entry Level Pharm.D. program)
PHA 7410	Pharmacoeconomics (Lecturer) (Post Baccalaureate Pharm.D. Program)
PHA 6300	Research Design and Statistics for Pharmacists (Lecturer) (Entry Level Pharm.D. Program)
2007	
PHA 6410	Pharmacoeconomics and Pharmacoepidemiology (Class Coordinator and Lecturer) (Entry Level Pharm.D. program)
PHA 7410	Pharmacoeconomics (Class Coordinator and Lecturer) (Post Baccalaureate Pharm.D. Program)
PHA 6300	Research Design and Statistics for Pharmacists (Lecturer) (Entry Level Pharm.D. Program)
PHA 7790	Research Project (individual research project mentor)

(Post Baccalaureate Pharm.D. Program) (Mentoring 1 student)

2006

- PHA 6410 Pharmacoeconomics and Pharmacoepidemiology (Class Coordinator and Lecturer)
(Entry Level Pharm.D. program)
- PHA 7410 Pharmacoeconomics (Class Coordinator and Lecturer)
(Post Baccalaureate Pharm.D. Program)
- PHA 7700 Experimental Design and Statistics (Class Coordinator and Lecturer)
(Post Baccalaureate Pharm.D. Program)
- PHA 6300 Research Design and Statistics for Pharmacists (Lecturer)
(Entry Level Pharm.D. program)
- PHA 7790 Research Project (individual research project mentor)
(Post Baccalaureate Pharm.D. Program) (Mentored 4 students)

2005

- PHA 6410 Pharmacoeconomics and Pharmacoepidemiology (Class Coordinator and Lecturer)
(Entry Level Pharm.D. program)
- PHA 6300 Research Design and Statistics for Pharmacists (Lecturer)
(Entry Level Pharm.D. program)
- PHA 7790 Research Project (individual research project mentor)
(Post Baccalaureate Pharm.D. Program) (Mentored 8 students)
- PHA 6100 Research Methods I (Class Coordinator and Lecturer)
(Physical Therapy Ph.D. Program)

2004

- PHA 6410 Pharmacoeconomics and Pharmacoepidemiology (Class Coordinator and Lecturer)
(Entry Level Pharm.D. program)
- PHA 7410 Pharmacoeconomics (Class Coordinator and Lecturer)
(Post Baccalaureate Pharm.D. Program)
- PHA 7790 Research Project (individual research project mentor)
(Post Baccalaureate Pharm.D. Program) (Mentored 4 students)
- PHA 6100 Research Methods I (Class Coordinator and Lecturer)
(Physical Therapy Ph.D. Program)

2003

- PHA 6410 Pharmacoeconomics and Pharmacoepidemiology (Class Coordinator and Lecturer)
(Entry Level Pharm.D. program)
- PHA 6300 Research Design and Statistics for Pharmacists (Lecturer)
(Entry Level Pharm.D. program)
- PHA 7790 Research Project (individual research project mentor)
(Post Baccalaureate Pharm.D. Program)

PHA 5395 Pharmacy Administration Research Project (individual research project mentor)
(Entry Level Pharm.D. program) (Mentor 2 students)

2002

PHA 6410 Pharmacoeconomics and Pharmacoepidemiology (Class Coordinator and Lecturer)
(Entry Level Pharm.D. program)

PHA 6300 Research Design and Statistics for Pharmacists (Lecturer)
(Entry Level Pharm.D. program)

PHA 7310 Research Project (individual research project mentor)
(Post Baccalaureate Pharm.D. Program) (Mentored 11 students)

PHA 5395 Pharmacy Administration Research Project (individual research project mentor)
(Entry Level Pharm.D. program) (Mentor 2 students)

2001

PHA 6410 Pharmacoeconomics and Pharmacoepidemiology (Class Coordinator and Lecturer)
(Entry Level Pharm.D. program)

PHA 6300 Research Design and Statistics for Pharmacists (Lecturer)
(Entry Level Pharm.D. program)

PHA 7310 Research Project (individual research project mentor)
(Post Baccalaureate Pharm.D. Program) (Mentored 11 students)

PHA 5395 Pharmacy Administration Research Project (individual research project mentor)
(Entry Level Pharm.D. program) (Mentor 2 students)

B501 Research Design and Statistics for Alternative Medicine Research (Coordinator and
Lecturer)(Atlantic Institute of Oriental Medicine)

2000

PHA 7410 Pharmacoeconomics (Class Coordinator and Lecturer)
(Post Baccalaureate Pharm.D. Program)

PHA 7310 Research Project (Class Coordinator and Individual research project mentor)
(Mentored 12 students)

PHA 5103 Introduction to Chinese Herbal Medicine(Class Coordinator and Lecturer)
(Entry Level Pharm.D. program)

B601 Biomedical Pharmacology (Class Coordinator and Lecturer)
(Atlantic Institute of Oriental Medicine)

1999

PHA 7410 Pharmacoeconomics (Class Coordinator and Lecturer)
(Post Baccalaureate Pharm.D. Program)

PAD 5300 Research Design and Statistics for Pharmacists (Lecturer)
(Entry Level Pharm.D. program)

PHA 7310 Research Project (Class Coordinator and Individual research project mentor)
(Post Baccalaureate Pharm.D. Program)(Mentored 24 students)

PHA 5103 Introduction to Chinese Herbal Medicine(Class Coordinator and Lecturer)
(Entry Level Pharm.D. program)

B601 Biomedical Pharmacology (Class Coordinator and Lecturer)
(Atlantic Institute of Oriental Medicine)

1998

PAD 4320 Health Care System (Class Coordinator and Lecturer)
(Entry Level Pharm.D. Program)

PAD 5300 Research Design and Statistics for Pharmacists (Lecturer)
(Entry Level Pharm.D. program)

PAD 7300 Research Design and Statistics(Class Coordinator and Lecturer)
(Post Baccalaureate Pharm.D. Program)

PHA 7310 Research Project (Class Coordinator and Individual research project mentor)
(Post Baccalaureate Pharm.D. Program)(Mentored 74 students)

1997

PAD 4320 General Education - Health Care System (Class Coordinator and Lecturer)
(Entry Level Pharm.D. Program)

PAD 5300 Research Design and Statistics for Pharmacists (Lecturer)
(Entry Level Pharm.D. program)

PAD 7300 Research Design and Statistics(Class Coordinator and Lecturer)
(Post Baccalaureate Pharm.D. Program)

1996

PAD 5300 Research Design and Statistics for Pharmacists (Lecturer)
(Entry Level Pharm.D. program)

PAD 7300 Research Design and Statistics(Class Coordinator and Lecturer)
(Post Baccalaureate Pharm.D. Program)

Continuing Education

2010

Topic: Teaching Ethics – A Problem Based Learning Approach
Location: Kaohsiung, Taiwan
Sponsor: Department of Education, Taiwan, Republic of China

2009

Topic: Assessment Strategies in Problem Based Learning
Location: Kaohsiung, Taiwan
Sponsor: Department of Education, Taiwan, Republic of China

2008

Topic: International Collaboration an Pharmacy Education
Location: Kaohsiung, Taiwan
Sponsor: Kaohsiung Medical University

2006

Topic: Perspective in Pharmacy Education
Location: Taipei, Taiwan
Sponsor: National Defense Medical University

Topic: Institutional Partnership in Pharmacy Education
Location: Taipei, Taiwan
Sponsor: National Defense Medical University

2005

Topic: Pharmacy Education and Curriculum Development in the US.
Location: Kaohsiung, Taiwan
Sponsor: Kaohsiung Medical University

2004

Topic: Pharmacoeconomics Applications in Hospital Pharmacy
Location: Tainan, Taiwan
Sponsor: Tainan City Hospital

2003

Topic: Introduction to Pharmacoeconomics – 6 lecture series
Location: Tainan, Taiwan
Sponsor: National Cheng Kung University

Topic: Statistical Sampling
Location: Mt. Sinai Hospital, Miami, FL
Sponsor: Mt. Sinai Hospital Surgical Department Resident Program

2001

Topic: Pharmacists and Physicians in the Value Chain: Economic View.
Location: Singapore
Sponsor: Pharmacy and Pharmaceutical World Congress – FIP

Topic: Introduction to Pharmacoeconomics – 6 lecture series
Location: Tainan, Taiwan
Sponsor: National Cheng Kung University

2000

Topic: Pharmacy and Economics: A Match for the Twenty-First Century
Location: Cuernavaca, Mexico
Sponsor: Roche Syntex de Mexico

Topic: Introduction to Pharmacoeconomics – 5 lecture series
Location: Tainan, Taiwan
Sponsor: National Cheng Kung University

Topic: The Impact of the change of Health Care System to Pharmacy Management
Location: Taipei, Taiwan
Sponsor: Association of Chinese Clinical Pharmacy

Topic: Pharmacy Benefit Management

Location: Taipei, Taiwan
Sponsor: Clinical Pharmacy Research Inc.

Topic: Drug Formulary Management
Location: Taipei, Taiwan
Sponsor: Association of Chinese Clinical Pharmacy & Clinical Pharmacy Research Inc.

Topic: The Career Path Opportunity for Pharmacy Professionals in the new Millennium
Location: Taipei, Taiwan
Sponsor: Association of Chinese Clinical Pharmacy

1998

Topic: Introduction to Pharmacoeconomics
Location: Tainan, Taiwan
Sponsor: National Cheng Kung University

Topic: Introduction to U.S. Health Care System and HMOs
Location: Taichung, Taiwan
Sponsor: Taichung Veteran General Hospital

Topic: Pharmacoeconomic Evaluation of the Pharmaceutical Care Services
Location: Taipei, Taiwan
Sponsor: Taipei Medical College – Teaching Hospital

1997

Topic: Statistics and Methodology Course Review
Location: Monterey, Mexico
Sponsor: Nova Southeastern University

Mentoring - Graduate Students /Resident Research (not including Pharmacy student projects)

Ph.D. Dissertation – College of Pharmacy, Nova Southeastern University
Diana Almasri, 2011 – 2015: Modeling the cost effectiveness of Statin therapy in rheumatoid Arthritis - A Markov Cycle Evaluation From The National Data Bank For Rheumatic Diseases

Ph.D. Dissertation – College of Pharmacy, Nova Southeastern University
Abdullah Althemery, 2011 – 2016: Socioeconomic Factors Associated with Antihyperlipidemic Pharmacotherapy in the United States: Application of the Andersen Behavioral Model.

Ph.D. Dissertation – College of Pharmacy, Nova Southeastern University
Doctoral student: Abdullah Alfaifi, 2011 – Present. Assessing the Burden of Illness Associated with Anxiety Disorder in Patients with Diabetes Mellitus.

Ph.D. Dissertation - College of Pharmacy, Nova Southeastern University
Doctoral student: Omar Almohammed, 2013 – Present: Comparative Effectiveness of Venous Thromboembolism (VTE) Prophylaxis and Treatment in Patients with Cancer.

Ed.D. Dissertation – Fishler School of Education and Human Services, Nova Southeastern University
Doctoral Candidate: Donald S. Metscher, Ed.D. 2005 An Examination of the Perceived Leadership Practices and Organizational Commitment of Active Duty Air Force Personnel and Government Civil Service Employees.

DBA. Dissertation – Wayne Huizenga Graduate School of Business and Entrepreneurship, Nova Southeastern University
Doctoral Candidate: Donald S. Metscher, DBA 2005: Using Leadership to Increase Commitment for Civil Servants and Air Force Personnel in Time of Conflict.

Ph.D. Dissertation - Walden University , Minnesota
Doctoral Candidate: Ardain Isma, Ph.D. 2002 Cross-Cultural Awareness: Students Attitudes Toward People of a Different Ethnic and Culture Background

DBA. Dissertation – Wayne Huizenga Graduate School of Business and Entrepreneurship, Nova Southeastern University
Doctoral Candidate: Kuang-Hsun Shih, DBA 2002 Taiwan High Tech Stocks: Using Artificial Neural Networks to Test Weak-Form Market Efficiency in Taiwan Electronic Index and to Develop an Evaluation Model of Investment Strategy in Taiwan Stock Markets

Pharmacy Practice Resident - Broward General Medical Center, Ft. Lauderdale, FL
Resident: Sita Lacknauth, PharmD, Pharmacy practice Resident 2001-2002. An outcome evaluation of a pharmaceutical care service program to congestive heart failure patients

Pharmacy Practice Resident – Jackson Memorial Hospital, Miami, FL
Resident: Ennie L. Cano, Pharm.D. Pharmacy Practice Resident 2001-2002, Development And Implementation Of A Pilot Non-Punitive Medication Error Reporting System.

Pharmacy Practice Residence – Brookdale University Hospital & Medical Center, New York.
Resident: Ebrahim Balbisi, Pharm.D., Pharmacy Practice Resident 2000-2001
The Impact of Treatment Adherence Groups and Compliance and The Progression of HIV Infection

Pharmacy Practice Residence – School of Pharmacy, Nova Southeastern University Ft. Lauderdale, FL.
Resident: Ming Wang Pharm.D. Pharmacy Practice Resident 2000-2001. An Analysis Of Dyslipidemia Treatment In Patients With Type 2 Diabetes In A Primary Care Clinic

Pharmacy Practice Residence - Broward General Medical Center, Ft. Lauderdale, FL
Resident: Edward A. Schnase, Pharm.D. Pharmacy Practice Resident 2000-2001. Comparison of AmBisome and Amphotericin B Therapy in a Neonatal Intensive Care Unit.

Pharmacy Practice Residence - Broward General Medical Center, Ft. Lauderdale, FL
Resident: Sheerida A. Hosein, Pharm.D. Pharmacy Practice Resident 1999-2000. The Impact of Pharmacists' s Intervention in Drug Therapy at a Teaching Hospital.

Ph.D. Dissertation - School of Computer and Information Sciences, Nova Southeastern University
Doctoral Candidate: Ruey-Ming Chao, Ph.D. 1999. The Critical Distance-Learning Metrics for Student Needs and Satisfaction.

Pharmacy Practice Resident - School of Pharmacy, Florida A&M University
Resident: Roslyn Martinez, Pharm.D. Pharmacy Practice Resident 1998-1999. A Ten month Cost Comparison of Olazapine and Risperidone

Infectious Disease Resident - School of Pharmacy, Nova Southeastern University
Resident: Plasencia C., Pharm.D. Infectious Disease Resident 1998-1999 Health Beliefs of Patients with HIV Requiring Hospitalization versus Patients.

Drug Information Resident - School of Pharmacy, Nova Southeastern University
Resident: Hsu Jane, Pharm.D. Drug Information Resident, 1996-1997. The Current Use of High-Dose Aminoglycosides in the Hospitals Throughout the United Sates.

Educational Program Development / Innovation and Leadership

- 1998 International Distance Learning Program
- Established and Implemented an International Distance Learning Pharmacy Disease Management course via ISDN-based Interactive System with the National Defense Medical University, Taiwan
- 2002 Pharmacy International Program
- Developed an Innovated pharmacy degree program exclusively for foreign pharmacists
- Approximately 285 enrollments from over 30 countries (2002 – 2010)
- 2007 Summer China Study Abroad Program, Beijing & Shanghai
- Developed an elective course on the Introduction of Traditional Chinese Medicine with Beijing University of Chinese Medicine, China
- 51 students and pharmacists participated
- 2008 Summer China Study Abroad Program, Beijing, Tokyo, Osaka, Kyoto, Nara
- Developed an elective course on the Introduction of Traditional Chinese Medicine with Beijing University of Chinese Medicine, China
- 54 students and pharmacists participated
- 2008 Established the International Affiliation with Kaohsiung Medical University College of Pharmacy, Taiwan.
- This international collaborative exchanges will benefit and contribute to inter-institutional linkages for educational cooperation and assistance at each university for: Faculty exchange, student exchange, collaborative research, and joint hosting of seminars, conferences, workshops.
- 2009 Summer China Study Abroad Program, London & Paris
- Developed an elective course on the Introduction of Homeopathic Medicine with Lakeland College, England.
- 50 students and pharmacists
- 2009 Faculty Travel Teaching Grant. Kaohsiung, Taiwan
- Received a faculty travel grant from Taiwan Department of Education and sponsored 5 NSU-COP faculty members, each providing clinical pharmacy related lectures at Kaohsiung Medical University in Taiwan.
- 2009 International Clinical Pharmacy Training Program, Ft. Lauderdale, FL
- Developed an annual International Clinical Pharmacy Study Abroad Program, entitled “Pharmacy and Medication Therapy Management”
- Sponsor from Taiwan Department of Education and Kaohsiung Medical University
- 2010 Faculty Travel Teaching Grant. Kaohsiung, Taiwan
- Received a faculty travel grant from Taiwan Department of Education and sponsored 2 NSU-COP faculty members, each providing clinical pharmacy related lectures at Kaohsiung Medical University in Taiwan.
- 2010 International Clinical Pharmacy Training Program, Ft. Lauderdale, FL
- Developed an Annual International Clinical Pharmacy Study Abroad Program, entitled “Geriatrics Medication Therapy Management”
- Sponsor from Taiwan Department of Education and Kaohsiung Medical University

- 2010 Summer China Study Abroad Program, Beijing, Tokyo.
 - Developed an elective course on the Introduction of Traditional Chinese Medicine with Beijing University of Chinese Medicine, China
 - 53 students participated
- 2013 International Society of Pharmacoeconomics and Outcome Research Student Chapter
 - Developed and established the ISPOR student chapter at Nova Southeastern University

SERVICES ACTIVITIES

Academic and Public Services

- 2002 - Present **National Board**
 National Institute of Health (NIH) grant proposal reviewer by Center for scientific review special emphasis panel
- 2016 Nursing and Related Clinical Sciences (NRCS/CSR/NIH)) study section to review research (R01 & R21) applications
- State Board - State of Florida**
- 1998 - 1999 Medicaid Drug Utilization Review Board member
 2000 - 2002 Medicaid Drug Utilization Review Board member (re-appointment)
 2003 - 2005 Medicaid Drug Utilization Review Board member (re-appointment)
 2006 - 2008 Medicaid Drug Utilization Review Board member (re-appointment)
 2000 - 2010 Medicaid Drug Utilization Review Board member (re-appointment)
- 2001 - 2003 Medicaid Pharmaceutical and Therapeutics Committee
 2003 - 2005 Medicaid Pharmaceutical and Therapeutics Committee (re-appointment)
 2005 - 2006 Medicaid Pharmaceutical and Therapeutics Committee (re-appointment)
 2002 Medicaid Generic Drug P&T Subcommittee
- University Committee - Nova Southeastern University**
- 1999 - 2007 University Faculty Advisory Committee
 2000 University competitive edge committee
 2001 University innovative instructional technologies committee
 2001 - 2002 University Alternative Medicine Committee (Chair)
 2002 - 2005 University Wellness Committee
 2006 Internal Review Committee
- College Committee - Nova Southeastern University College of Pharmacy**
- 1997 - 2000 Curriculum Committee
 1997 - 2000 Technology Integration Committee
 1999 - 2000 Scholarship Task Force for drafting continuing contract document
 2001 - 2004 Research Committee
 2001 - 2005 Promotion/Continuing Contract Committee
 2003 - 2004 Good and Welfare Committee
 2005 - 2015 Student Progress Committee
 2005 - 2010 Departmental Curriculum Subcommittee (Chair)
 2005 - 2007 Award Committee
 2005 - 2007 Distant Education Ad. Hoc. Committee
 2006 - 2007 Education Assessment Committee

2011 - 2013	Education Assessment Committee
2011 - Present	Department Faculty Search and Screen Committee (Chair)
2013 – 2014	Student Scholarship Committee
2014 – Present	Student Scholarship Committee (Chair)
2011 – 2015	Admission Committee
2015 – Present	Research Committee

Faculty Advisor of Student Association

1996 – 2007	Taiwan Students Association NSU
2002 - Present	International Pharmacy Student Association NSU
2011 - Present	Taiwan Students Association NSU
2011 - Present	American Managed Care Pharmacy Student Chapter NSU
2013 – Present	International Society of Pharmacoeconomics and Outcome Research

Officers of International/National Association

1996 - 1998	Scientific Program Committee Member - International Society for Pharmacoepidemiology (ISPE)
1998 - 2000	Faculty Liaison - the International Society of Pharmacoeconomics and Outcomes Research (ISPOR)
1997 - 2000	Official Local ISPE Correspondent - International Society for Pharmacoepidemiology (ISPE)
2000- 2005	Research Poster Coordinator - Florida Pharmacy Association
2000- 2007	Board of Director - the Atlantic Institute of Oriental Medicine
2003 - 2007	Editor - International Pharmaceutical Federation (FIP) Administrative Pharmacy Section Newsletter

Academic Reviewer

1995 - 2005	International Society for Pharmacoepidemiology (ISPE)
1996 - Present	American Society of Health-System Pharmacists (ASHP)
1996 - Present	International Society for Pharmacoeconomics and Outcome Research
1999	Improving Quality in the Pharmacy (book reviewer)
2000 - 2004	Journal of Pharmaceutical Care
2000 - 2006	Journal of Managed Care Pharmacy
2000 - Present	American Journal of Managed Care
2000 - Present	Journal of Business and Health Administration Association
2000 - Present	Preventive Medicine in Managed Care
2001 - 2002	Journal of Managed Pharmaceutical Care
2002 - Present	Journal of Pharmaceutical, Finance, Economics & Policy
2002	Ad Hoc Research Grant Reviewer – NIH study section: the Social, Nursing, Epidemiology, and Methods Study Section (SNEM-4)
2004 - Present	Journal Disease Management & Health Outcomes
2006	Statistical Methods for Health Care Research (Book Reviewer)
2005	President's Faculty Research and Development Grant 2005-2006
2007	President's Faculty Research and Development Grant 2007-2008
2010 – Present	Journal of Pharmaceutical Health Services Research
2011 – Present	Drug, Healthcare and Patient Safety
2012 – Present	Internal Society of Pharmacoeconomics and Outcome Research Journal - Value in Health Regional Issues
2012 – Present	Hemodialysis International

2014 Research Abstract Review Committee for the ISPOR 19th Annual International Meeting
2014 President Faculty Research and Development Grant Nova Southeastern University

Editor and Editorial Advisory Board

2016 – Present Board Member, Journal of Drug Research and Development
2013 – Present Board Member, International journal of Epidemiology&Infection,
Board Member, Health Care,
Board Member, International journal of Psychological Medicine.
2004 – 2007 Board Member: Journal of Developing Drugs
Editor, Administrative Pharmacists Update, Official Newsletter from the International Pharmaceutical Federation (FIP)
2001 – 2002 Board Member, Journal of Managed Pharmaceutical Care
2002 – 2007 Board Member, Journal of Pharmaceutical, Finance, Economics & Policy
1988 – 1989 Editor, College Newsletter, Kaohsiung Medical University, Kaohsiung, Taiwan

Membership

1993 – 2002 International Society for Pharmacoepidemiology (ISPE) - 12th ISPE Scientific Program Committee Member
1998 – 2003 American Society of Health-System Pharmacists (ASHP)
1996 – Present American Pharmacist Association
1996 – Present International Society for Pharmacoeconomics and Outcome Research
1993 American Public Health Association
1992 – 2009 American Association of Colleges of Pharmacy
1997 – 2010 FIP International Pharmaceutical Federation
1999 – Present American Managed Care Pharmacy

RECOGNITION

Research Awards

2015 Platinum Medal Award for the Best Research Poster Competition. Academy Managed Care Pharmacy 27th Annual Meeting & Showcase, April, 2015 San Diego, CA.

2015 Research Poster Award Finalist. International Society of Pharmacoeconomics and Outcome Research ISPOR 19th Annual International Meeting, May 2015, Philadelphia, PA.

2014 Research Poster Award Finalist. International Society of Pharmacoeconomics and Outcome Research 19th Annual International Meeting, May, 2014, Montréal, Montreal, QC, Canada.

2014 Health Professional Division Nova Southeastern University Research Day Award

2005 Award of the Best Poster from Florida Pharmacy Association Annual Meeting (Third Place)

2004 Award of the Best Poster from Puerto Rico College of Pharmacy Annual Meeting (First Place)

2001 Award of the Best Poster from Florida Pharmacy Association Annual Meeting (Second Place)

2000 Award of the Best Poster from Florida Pharmacy Association Annual Meeting (Second Place)

2000 Award of the Best Poster from Puerto Rico College of Pharmacy Annual Meeting (First Place)

1999 Annual Research Grant Award from Florida Pharmacy Association Foundation (Second Place)

1999 Award of the Best Poster from Florida Society of Health-System Pharmacists Annual Meeting (Third Place)

1999 Award of the Best Poster from Connecticut Society of Health-System Pharmacists Annual Meeting (Second Place)

Honors

2010

Annual Distinguished Alumni Award, Kaohsiung Medical University College of Pharmacy

2010

Top five final Nominees for the Administrator of the Year Award of the 11th Annual Student Life Achievement Award at Nova Southeastern University

2009

Top five final Nominees for the Administrator of the Year Award of the 10th Annual Student Life Achievement Award at Nova Southeastern University

2009

Outstanding Teacher Finalist, awarded in recognition of Excellence and Innovation in Teaching. Nova Southeastern University College of Pharmacy

2001 – 2007

Government Appointment

Appointed by the Florida State Governor in three consecutive terms to serve as one of the nine members of Medicaid Pharmaceutical and Therapeutics Committee for the purposes of determining Florida Medicaid prescription drugs formulary

2001

NSU Faculty Representative for the Ribbon Cutting Ceremony of the grand opening of Nova Southeastern University Library, Research, and Information Technology Center

2002

“Coffee with Mrs. Barbara Bush” – Governor Jeb Bush
The Governor’s Mansion, Tallahassee, Florida

2003

Guest of Honor of Florida’s 43rd Governor-elected Jeb Bush Inaugural Gala and Events, Tallahassee, Florida

2004

Honorable Government Health Care Policy Consultant – Awarded from the office of State Legislator – Mr. Chin-De Lai, Taiwan

2005

Honorable Visiting Professorship in Pharmacoeconomics – National Defense Medical University, Taiwan

2005

Distinguished Scholar Award – Rotary International, Tainan, Taiwan

2006

Who's Who Among America's Teachers

2007

Who's Who Among Executive and Professional Women in the Pharmaceutical Industry

2007

Chief Guest of Honor on the occasion of the Oath Taking Ceremony by Pharmacy Graduates

Location: The University of West Indies, Trinidad and Tobago

Sponsor: The University of West Indies, Trinidad and Tobago

Statistics and Methodology Consultant

- 1998 Principal Health Care of Florida, Inc. (HMO)
Project Topic: Baseline Measurement of Low Birth Weight Rates Under 2500 Grams; Overall and in High Risk Pregnancies
Project Topic: Baseline Mammogram Rate for Female Ages 52-64
Project Topic: Baseline Compliance with ADA Diabetes Guidelines
Project Topic: Member Satisfaction with Ancillary Services
Project Topic: Improvement to Customer Services Telephone Access 1996
Project Topic: Improvement to the Member Grievance Process
Project Topic: Childhood Immunization Study - 1995 Number of Children with Complete Immunization
- 2000 Pfizer, Inc.
Project Topic: The efficacy and safety of daily vs. pulse dosing of atorvastatin in reversing atherosclerotic plaques formation among high-risk adolescent and young adult males. .
- 2001 Glaxo Wellcome, Inc.
Project Topic: Irritable Bowel Syndrome in an HMO Primary Care Setting: An Incidence and Real Cost Survey
- 2000- 2001 Coordinated Care Solutions, Inc.
Project Topic: Medicaid Claim Data Analysis/Outcome Research Design/Pharmacoeconomics studies for the State of Florida Diabetes Disease Management Program

Computer Software:

SAS/VMS, SAS/PC, SPSS/PC, SPSS/Mainframe, TreeAge Decision Analysis, ACG system (Case Mix Package), International Economics Statistic Analysis (Econometrics Package), Einfo, ORACLE's OracleCard, ObjectVison, Harvard graphic, Paradox, Access/SQ

Languages

English, Chinese (Mandarin and Hokkien)