

Nancy A. Alvarez, Pharm.D., BCPS, FAPhA

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EMPLOYMENT

Chapman University School of Pharmacy (CUSP)

Jun. 2013 to Present

Irvine, California

**Assistant Dean, Experiential Education and Continuing Professional Development
(2013 to Present)**

Responsibilities:

- Design and develop the organization, strategies, policies and procedures for experiential education sites and educators for the Introductory and Advanced Pharmacy Practice Experiences required by the Accreditation Council for Pharmacy Education (ACPE) and the CUSP student enrollment plans;
- Develop and oversee the organization, strategies, policies and procedures for delivering continuing professional education particularly for those who will be engaged in the education of CUSP student pharmacists;
- Deliver ACPE and other health professional accrediting agency approved programming on a regular basis;
- Engage in formation, planning and development of the CUSP in its entirety and join in delivering a wide range of materials necessary for accreditation and CUSP start up as a member of the Dean's Council.

Endo Health Solutions (formerly Endo Pharmaceuticals Inc.)

Apr. 2001 to May 2013

Malvern, Pennsylvania

**Senior Director, Medical Information, Pharmacovigilance and Risk Management Dept.
(2012 to 2013)**

Responsibilities/Accomplishments:

- Accountability for medical communication activity to provide accurate information about company products and clinical science in a balanced and credible manner consistent with the regulatory environment and the company's ethical standards;
- Establish and manage business priorities for the medical communication function, including development and implementation of action plans for expected (i.e., product launch preparation) and unexpected (i.e., product recall) events;
- Develop and manage the medical communication functional area budget - \$3M;

- Develop and implement functional area standard operating procedures and/or business practices necessary to achieve organizational objectives consistent with the regulatory environment and the company's code of conduct;
- Participate on year-long, cross-functional medical science team to develop recommendations for the establishment of medical science core functions at acquired device companies (American Medical Systems and HealthTronics) for senior leaders;
 - Led Medical Communication Sub team through benchmarking, gap analysis and needs assessment exercises leading to comprehensive set of recommendations
- Facilitate cross-functional team from commercial business, quality, safety, customer service and legal to develop a reimbursement/credit policy for specialty pharmaceuticals;
 - Develop policy and procedure documents
 - Develop education and training material for field sales, quality, safety, medical communication and customer service personnel
- Develop and manage two direct reports;
- Develop and execute department team objectives;
- Establish and maintain relationships with cross-functional personnel and collaborate on enterprise-wide initiatives providing subject matter expertise;
- Serve as medical/scientific reviewer for advertising and promotion for Frova®, managed markets material and corporate initiative material;
- Develop and maintain relationships with schools and colleges of pharmacy to offer experiential and/or leader education.

**Director, Medical Information, Clinical Development and Medical Affairs Department
(2007 to 2012)**

Responsibilities/Accomplishments:

- Advance the medical communication functional area to provide accurate information about company products and clinical science in a balanced and credible manner consistent with the regulatory environment and the company's ethical standards;
- Manage one direct report responsible for day to day oversight of the medical information professional contact center;
- Lead writing and editorial efforts related to standard reply document maintenance and out of scope question research;
- Integrate medical information policies and operational process following new product and/or pharmaceutical company acquisition;
- Perform comprehensive call handling assessment for contacts received by company, identify gaps and develop improvement recommendations for senior leaders;
- Perform of root cause analyses in response to specific customer-related situations not well handled by established policies and procedures to facilitate communication, resolution and customer (healthcare professionals and patients) service to the extent possible;
- Establish and maintain electronic library services for research and development division including fiscal management;
- Manage information and knowledge repositories in collaboration with other departments;
- Develop coordinated medical information plans for new product launch;

- Core member of Medical Affairs Strategy Team.

Additional activities/projects:

Review of product packaging and labeling for medical accuracy and participate in package insert format conversion effort as required by the FDA; evaluation of medical literature and compendia for accurate and complete listings of company products; provision of product education and clinical science to external audiences (e.g., scientific advisory boards or national/regional managed care organizations); review of promotional and sales education materials for medical/scientific accuracy and fair balance; and, review manuscripts, abstracts and poster presentations prior to submission for publication.

**Associate Director, Medical Information, Medical Affairs Department
(2006 to 2007)**

Responsibilities (in addition to Manager, Medical Information role):

Create and implement transition plan for change in professional contact center and medical writing vendor; and, prepare for 3 product launches.

**Manager, Medical Information, Medical Affairs Department
(2003 to 2006)**

Responsibilities:

Medical communications

Maintain medical communication vendor relationship and monitor day-to-day operations of the medical information professional contact center; review and approve standard reply documents; research out of scope questions; create product information database to support new product or product line extension launches; and, determine educational needs of professional contact center staff.

Additional activities/projects:

Review promotional and sales education materials for medical/scientific accuracy and fair balance; review product packaging and labeling for medical/scientific accuracy; write package insert sections pertaining to medical topics (e.g., precautions, warnings, patient dosing instructions) for pipeline products; determine and teach clinical science topics to new and established sales professional team members; participate on product launch sub-teams, establish and maintain a journal club; establish physical scientific library; host local student pharmacists for a medical information externship; contribute to book chapters on pain topics as primary author or reviewer; review manuscripts, abstracts and poster presentations prior to submission for publication; provision of product education and clinical science to external audiences (e.g., scientific advisory boards or national/regional managed care organizations).

**Product Information Manager, Medical Affairs Department
(2001 to 2003)**

Responsibilities:

Medical information

Research unsolicited requests for product information; review promotional materials for

medical/scientific accuracy; review product labeling for medical/scientific accuracy; teach relevant therapeutic, clinical science topics; author book chapters on pain topics; and, participate on marketing sub-teams.

Pharmacovigilance

Review periodic and annual safety reports for accurate medical content prepared for submission to the Food and Drug Administration (FDA); review serious, unexpected adverse event reports for accurate medical content prepared for submission to the FDA; and, conduct annual company safety reporting policy and procedure training for all company employees.

excelleRx, Inc.

1997 to Apr. 2001

Philadelphia, Pennsylvania

Vice President, Professional Development (2000 to 2001)

Reporting directly to the Chief Performance Officer, this position was responsible for the education and training of the organization's professional and technical support staff, pharmacist and pharmacy intern recruitment, and nurse educational support.

Responsibilities:

- Provision of competency-based, didactic and experiential training for new and existing employees (pharmacists, technicians, interns);
- Creation of quarterly, company-wide, educational plans;
- Facilitation of pharmacist knowledge base development and maintenance of pain and symptom management and communication skills;
- Write and edit the company newsletter, the *Palliative Pulse*;
- Write and edit Continuing Nursing Education (CNE) modules for hospice nurses;
- Provision of lectures for hospice nurses on pain topics;
- Introduction of Doctor of Pharmacy student experiential externship in palliative care;
- Coordination of Doctor of Pharmacy student experiential externships in specialty compounding, marketing and pharmacoeconomics;
- Design and implementation of staff development programs such as non-managerial career ladders and reward programs;
- Oversight of the Board Certification in Palliative Care Task Force seeking Board of Pharmaceutical Specialties (BPS) specialty recognition for palliative care pharmacy practice;
- Recruitment of Pharm.D. candidates to staff the Pharmaceutical Care Support Center.

Vice President, Pharmaceutical Care Support Center Operations (1999 to 2000)

Reporting directly to the Chief Executive Officer, this position was responsible for the administrative and personnel management of the contact center.

Responsibilities:

- Creation of policies and procedures relative to the efficient operation of the contact center;
- Development and maintenance of documentation tools related to hospices served including clinical interventions and outcomes;
- Provision of day-to-day supervision for clinical pharmacists and support personnel;
- Support of new hospice clients' transition to service;
- Performance of quality assurance incident root cause analysis;
- Implementation of performance improvement plans.

**Hospice Pharmacia Center of Excellence Site Director and Pharmacist
(1997 to 1999)**

Reporting directly to the Vice President of Pharmacy Operations, this position was responsible for the establishment, operation, and administrative management of the company's southwestern office.

Responsibilities (Center of Excellence **establishment**):

- Completion of an eight-week, intensive didactic and experiential training program addressing hospice and end of life care, pain and symptom management, communications, and introduction to IV and sterile technique;
- Conduction of program implementation training for contracted hospice personnel;
- Completion of outfit of office/pharmacy (i.e., purchase of office furniture, fixtures, appliances, prescription balances, compounding equipment, horizontal laminar flow hood, delivery vehicles, pagers, and medication carts);
- Fulfillment of rules and regulations of the Arizona State Board of Pharmacy for a new pharmacy facility and obtain site license.

Responsibilities (Center of Excellence **operation**):

Patient Care:

- Collaboration with hospice nurses to create patient medication care plans;
- Prospective patient chart review on each encounter;
- Recommendations for cost-effective therapies to palliate pain and other symptoms;
- Attendance at monthly, interdisciplinary team meetings at each hospice to review patients' status and discuss optimal medication use.

Administrative:

- Supervision of dispensing lab (i.e., order preparation, record keeping, inventory control, and specialty compounding);
- Establishment and maintenance of first dose pharmacy network with major pharmacy chain;
- Execution of contractual obligations with hospices;
- Attendance at quarterly hospice quality assurance meetings;
- Performance of hospice inpatient-unit chart and medication cart reviews.

Walgreen's Drug Store

1989 to 1997

Phoenix, Arizona

Pharmacy Manager

(1994 to 1997)

Responsibilities:

Preparation of staff for new computer software and workflow changes; pharmacist and technician supervision; graduate intern mentoring; inventory maintenance; scheduling; operating statement monitoring; and, prescription preparation and distribution and patient education.

Staff Pharmacist

(1992-1994)

Responsibilities:

Consultation with patients regarding optimal prescription medication use in both English and Spanish; over-the-counter medication recommendations; technician supervision; prescription preparation and distribution; and, assisting the pharmacy manager in the operation of the pharmacy.

Summer/Holiday Intern

(1989-1992)

EDUCATION AND LICENSURE

Degree:

- **Doctor of Pharmacy**, The University of Arizona College of Pharmacy, Tucson, AZ
May 1992

Licensure:

- **Pharmacist**, Arizona: License Number: S010029
- **Pharmacist**, Pennsylvania: License Number: RP441500 (inactive)

Other Accreditations:

- **Board Certified Pharmacotherapy Specialist (BCPS)**, Board of Pharmaceutical Specialties,
Dec. 2008 to Present

Courses:

- CAPE Educational Outcomes 2013, 2014 American Association of Colleges of Pharmacy (AACP) Institute. May 2014
- Interprofessional Education: Building a Framework for Collaboration, Interprofessional Education Collaborative – Fall 2013. Oct. 2013

- Academy Leadership & Management Certificate Program, American College of Clinical Pharmacy. Oct. 2007
- Postgraduate Certificate in Pain Management Online Program, University of California San Francisco, CA. Sept. 2006 to Jun. 2007
- Palliative Care Certificate Program, Ohio Northern University/Roxane Laboratories. Jan. 2001

Membership:

- American Association of Colleges of Pharmacy (AACP)
- American College of Clinical Pharmacy (ACCP)
- American Pain Society (APS)
- American Pharmacists Association (APhA)
 - APhA-Academy of Pharmacy Practice and Management, Administrative Practice Section
- California Pharmacists Association (CPhA)
- California Society of Health-Systems Pharmacists (CSHP)
- Industry Pharmacists Association (IPhO)
- Pharmacy Leadership and Education Institute (PLEI)
- Phi Delta Chi Professional Fraternity (PDC)
- Phi Lambda Sigma Pharmacy Leadership Society (PLS)
- University of Arizona Alumni Association

HONORS, AWARDS, AND ACHIEVEMENTS

- Honorary Grand President, The Phi Delta Chi Professional Fraternity 68th Grand Council - Omaha, NE, 2013.
- 4Q2012 Leadership Attributes Award - Collaboration, Endo Pharmaceuticals, 2013.
- Jack R. Cole PhD Distinguished Alumnus Award, The University of Arizona College of Pharmacy, 2012.
- Clinical Development and Medical Science Stellar Award, Endo Pharmaceuticals, 2012
- 1Q2012 Leadership Attributes Award – Customer Focus, Supply Chain Interruption Aversion, Endo Pharmaceuticals, 2012.
- Innovative Excellence Award, Endo Pharmaceuticals, 2008.
- APhA - Academy of Pharmacy Practice and Management Distinguish Achievement in Administrative Practice, 2007.
- Fellow of the APhA, Academy of Pharmacy Practice and Management, 2004.
- One of 50 Most Influential Pharmacists, Recognized in American Druggist, 1999.
- APhA Good Government Pharmacist of the Year, 1998.
- Albert B. Prescott/Glaxo Wellcome Leadership Award, Pharmacy Leadership and Education Institute, 1997.
- Overall Outstanding Performance--Walgreen's; Recognized in Drug Topics, August 19, 1996.
- Employee Pharmacist of the Year, Arizona Pharmacy Association, 1995.

- Marion Merrill Dow Distinguished Young Pharmacist of the Year, Arizona Pharmacy Association, 1994.
- University of Arizona Outstanding Senior Award, College of Pharmacy, 1992.
- APhA - Academy of Students of Pharmacy Outstanding Senior Award, 1992.
- Lemmon Company Award, 1992.
- APhA-ASP Norwich Eaton Leadership Scholarship, 1991.
- Druggists Mutual Scholarship, 1991.
- Phi Delta Chi Outstanding Undergraduate Award, 1990.

TEACHING EXPERIENCE

- Develop competency-based, didactic and experiential education for opioid conversion skills, and therapeutic strategies for pain and symptom management for dying patients for pharmacists and hospice nurses (1997-2004).
- Develop objectives and curricula for an Advance Pharmacy Practice Experience elective - Medical Communications for The University of Arizona and Notre Dame at Maryland University student pharmacists (2011 to 2013); primary preceptor for 2 externs.
- Coordinate an elective rotation – Global Safety and Pharmacovigilance rotation for 4 Temple University student pharmacists (2004 to 2005).
- Develop learning objectives and curricula for an elective rotation – Medical Affairs for (2001 to 2006); primary preceptor for 11 externs.
- Develop learning objectives and curricula for an elective rotation - End of Life/Palliative Care for University of the Sciences in Philadelphia, The Ohio State University and The University of Arizona student pharmacists (1998-1999 and 2001); primary preceptor for 3 externs.
- Coordinate an elective rotation – specialty compounding, marketing and pharmacoeconomics for University of the Sciences in Philadelphia (2000 to 2001).
- Create medical content and provide lectures for adverse event reporting, disease state, product specific education and training for Endo pharma, specialty and hospital field sales personnel (2001 to 2009).
- Create medical content and provide lectures for disease state, product specific education and training for Medical Communication healthcare professional personnel – internal and external (2001 to 2011).
- Serve as primary preceptor for Introductory Pharmacy Practice Experience – Hospice Pharmacy for 1 student pharmacist at Midwestern University – Glendale (1998 to 1999).

Leader Development:

- California Pharmacists Association Leader Development Institute. Year-long (including four, one-day learning sessions), interactive, application-based, small group program created to enhance CPhA leader identification and development process for select individuals from CPhA local chapters. Jan. – Dec. 2013, 2014.
- Leader Development & Life: How Is It Working For You? Interactive, 6.0 hour CPE program based upon identifying and aligning personal priorities, assumptions and leadership and

'flow'. Phi Lambda Sigma Leadership Society Beta Chi Chapter and South Carolina College of Pharmacy MUSC Campus, Charleston, SC. Jan. 2014.

- Leadership in Pharmacy. One-half day, interactive, application-based program based upon assumptions, listening skills, and quiet leadership. Western University Phi Lambda Sigma Chapter's 7th Annual Leadership Retreat, Pomona, CA. Aug. 2013.
- CPhA 2012 Leader Development. Interactive, application-based, 9.5 hour continuing pharmacy education (CPE) program. California Pharmacists Association Leadership Weekend, San Diego, CA. Nov. 2012.
- Finding Balance: Leadership Skills for Health Professionals. One-day program assembled for a multi-disciplinary group of health professional students. Massachusetts College of Pharmacy and Health Sciences, Boston, MA. Oct. 2011.
- Finding Balance: Leadership Skills for the Aspiring and Seasoned Pharmacy Professionals. Interactive, 9.0 hour CPE program. Maine Pharmacy Association Fall Convention, Bangor, ME. Oct. 2011.
- Finding the Balance: Leadership Skills for the Aspiring and Seasoned Pharmacy Professional. Interactive, 6.0 hour CPE program. Phi Lambda Sigma Leadership Society Beta Chi Chapter and South Carolina College of Pharmacy MUSC Campus, Charleston, SC. Jan. 2009.
- Leader Development Program for Phi Lambda Sigma National Leadership Society. Two-day, invitational leadership education and skills curriculum for PLS student pharmacist members, Kansas City, MO. Feb 2003.
- Pharmacy Leader and Education Institute Leader Development Seminar. Leader education and skill development seminar ranging from 2.5 to 5 days for student pharmacists of the Phi Delta Chi Professional Fraternity held in various cities. Aug. 1996, 1998, 2002, 2004, 2006, 2010, 2012, 2014.

TEACHING INTERESTS

- Pain medicine and advocacy for appropriate use of opioids, including opioid conversion
 - Postgraduate Certificate in Pain Management Online Program, University of California San Francisco, CA
- Working with student pharmacists as a preceptor and mentoring to help them assimilate to new practitioner status
- Medical communications in the pharmaceutical industry and appropriate dissemination of off-label information and risk information
- Leader development, personal assessment and communication
- Leadership and professional advocacy
- Cultural competency and diversity

PUBLICATIONS

Alvarez N, Boyle C, Shaughnessy A. Through the lens of volunteer scholarship reviewers. *Student Pharmacist*. 2011;8(1):10.

Victor TW, Alvarez NA, Gould E. Opioid prescribing practices in chronic pain management: guidelines do not sufficiently influence clinical practice. *J Pain*. 2009;10(10):1051-7.

Terleckyj O, Alvarez N. Letter to the editor. *Practical Pain Management*. 2008;8(4):11.
[Comment on Schneider J, Miller A. *Practical Pain Management*. 2007;7(7):71-73]

Alvarez NA, Galer BS, Gammaitoni AR. Postherpetic Neuralgia in the Cancer Patient. In: deLeon-Casasola OA, ed. *Cancer Pain: Pharmacologic, Interventional and Palliative Approaches*. Philadelphia, PA: Saunders Elsevier, 2006:123-137.

Galer B, Gammaitoni AR, Alvarez N. Topical Analgesics. In: Arnoff G. ed. *Handbook on the Pharmacological Management of Chronic Pain*. Charlotte NC: Wavecrest Publishing™, 2005:198-219.

Gammaitoni AR, Fine P, Alvarez NA, McPherson ML. Clinical application of opioid equianalgesic data. *Clin J Pain*. 2003;19:286-297.

Gammaitoni AR, Alvarez NA, Galer BS. Safety and tolerability of the lidocaine patch 5%, a targeted peripheral analgesic: a review of the literature. *J Clin Pharmacol*. 2003;42:111-117.

Gammaitoni AR, Alvarez NA, Galer BS. Pharmacokinetics and safety of continuously applied lidocaine patches 5%. *Am J Health-Syst Pharm*. 2002;59:2215-20.

Galer BS, Gammaitoni AR, Alvarez NA. Pain. *WebMD Scientific American® Medicine*, Dale DC, Federman DD, Eds. Sect. 11, Subsection 14. WebMD Corp., NY, 2001.

Alvarez NA. Searching for utopia. *J Am Pharm Assoc*. 1997;NS37:632-4.

Alvarez NA. Are pharmacy students ready for the real world: a new practitioner perspective? *Florida Pharmacy Today*, 1996;6-7.

POSTER PRESENTATIONS

Alvarez N, Hale M, Tark M, Ahdieh H. Open-label, long-term assessment of tolerability, safety, and effectiveness of oxymorphone extended-release for chronic low back pain. American College of Clinical Pharmacy Annual Meeting, Lexington, KY. Oct. 2008.

Victor TW, Alvarez N, Gould E. Failure of clinical practice to comply with guidelines for opiate use in chronic pain. American Osteopathic Association Research Conference, Las Vegas, NV. Oct. 2008.

Victor TW, Alvarez N, Gould E. Chronic pain treatment with opioids: practice does not follow policy. American Pain Society Annual Meeting, Tampa, FL. May 2008.

Victor T, Alvarez N, Gould E. Chronic pain treatment with opioids: practice does not follow policy. International Society for Pharmacoeconomics and Outcomes Research 10th Annual European Congress, Dublin, Ireland. Oct. 2007.

Gammaitoni A, Hale M, Linn R, Onawola R, Galer B, Alvarez N. Lidocaine patch 5% in treating neuropathic pain qualities in 3 chronic pain states: diabetic neuropathy, post herpetic neuralgia, and low-back pain. American Academy of Physical Medicine and Rehabilitation 65th Annual Assembly, Phoenix, AZ. Oct. 2004.

Gammaitoni A, Gimbel J, Hale M, Linn R, Onawola R, Galer B, Alvarez N. Effectiveness of lidocaine patch 5% on reducing the intensity of neuropathic pain qualities reported by low-back pain patients. American Academy of Physical Medicine and Rehabilitation Meeting, 65th Annual Assembly, Phoenix, AZ. Oct. 2004.

Alvarez NA, Gammaitoni AR. 24-h daily dosing safety and tolerability study with lidocaine patch 5% (Lidoderm®): results of an open-label pharmacokinetics study. 10th World Congress on Pain, San Diego, CA. Aug. 2002.

Gammaitoni AR, Alvarez NA, Galer BS. 18- and 24-hour daily dosing of the lidocaine patch 5% maintains safety margin, tolerability, and lack of sensory changes in healthy adults. American Pain Society Annual Meeting, Baltimore, MD. Mar. 2002.

Gammaitoni AR, Alvarez NA, Galer BS. Continuous 24-hour use of the lidocaine patch 5% is safe and well tolerated. American Pharmaceutical Association Annual Meeting, Philadelphia, PA. Mar. 2002.

Gammaitoni AR, Alvarez NA. 24-hour application of the lidocaine patch 5% for 3 consecutive days is safe and well tolerated in healthy adult men and women. American Academy of Pain Management 18th Annual Meeting, San Francisco, CA. Feb. 2002.

REVIEWER

McPherson ML. *Demystifying Opioid Conversion Calculations: A Guide for Effective Dosing*. Bethesda, MD: American Society of Health-System Pharmacists, 2010.

INVITED PRESENTATIONS

“Challenges of Opioid Rotation: Contextual Framework for Collaborative Innovation.” Zogenix Opioid Rotation – Expert Input Forum, Philadelphia, PA. Jun. 2014.

“Between a Rock and a Rock: The Pharmacist’s Role in Patient-Centered Care for Patients Experiencing Pain.” R. Ken Coit Endowed Chair Seminar Series, The University of Arizona College of Pharmacy, Tucson, AZ. Apr. 2014.

“Everyone Has a Story to Tell!” Keynote remarks for the Phi Lambda Sigma Alpha Tau Chapter, The University of Arizona College of Pharmacy Leadership Conference, Tucson, AZ. Apr. 2014.

“From Here to Pharmacy School: What Do I Do Now?” Presentation for members of the Nicholas Academic Center, Santa Ana, CA. Feb. 2014.

“Unlocking Your Chapter’s Success – It Starts With You!” Keynote address for the 6th Annual Academy of Managed Care Pharmacy Chapter Leadership Academy, San Francisco, CA. Apr. 2012.

“Who are the Patients in Your Neighborhood?” School of pharmacy address as part of the inaugural Walgreen’s Diversity in Health Care Lecture Series. Husson University, School of Pharmacy, Bangor, ME. Oct. 2011.

“Working Together Towards Diverse Patient-Centered Care.” Community and university-wide address as part of the inaugural Walgreen’s Diversity in Health Care Lecture Series. Husson University, School of Pharmacy, Bangor, ME. Oct. 2011.

“Securing Your Leadership Mask.” Keynote address sponsored by Phi Lambda Sigma Alpha Omicron Chapter for student pharmacists at the University of Cincinnati, College of Pharmacy, Cincinnati, OH. Oct. 2012.

“Sustain Your Leadership Commitment.” Keynote address for the Phi Lambda Sigma Leadership Society Beta Chi Initiation Ceremony, South Carolina College of Pharmacy MUSC Campus, Charleston, SC. Feb. 2008.

“Origins of a Pharmacy Leader.” Keynote address for the University of Maryland Phi Lambda Sigma Chapter. Apr. 2006.

“Drug Development.” Presentation as part of the Dean’s Lecture Series at the University of Wyoming College of Pharmacy, Laramie, WY. Sept. 2005.

“How to Be an Effective Leader: Recognizing Opportunity.” Keynote address for the University of Maryland Phi Lambda Sigma Leadership Society Beta Lambda Chapter Spring Meeting, Baltimore, MD. May 2003.

"Enhancing Opioid Conversion Skills: A Clinical Case Workshop." Presentation at the 4th Joint Clinical Conference of the National Hospice and Palliative Care Meeting, Center to Advance Palliative Care and the Hospice and Palliative Care Nurses Association, Denver, CO. Apr. 2003.

"The Unexpected Road." Keynote address for Phi Lambda Sigma Leadership Society Midwestern Leadership Conference, Madison, WI. Jan. 2002.

"The Realm of Pain." Presentation for the United States Public Health Service Commissioned Officers Corp. Pharmacy Section Annual Meeting, Washington DC. May 2001.

"Pharmacy Technician Certification Board – Update." Medicine Shoppe National Meeting and Exposition, St. Louis, MO. May 2000.

"Neuropathic Pain." National Hospice Organization 20th Annual Meeting, Long Beach, CA. Oct. 1999.

"Pharmacy Technician Certification Board – Update." Kansas Society of Health System Pharmacists Annual Meeting, Wichita, KS. April 1999.

"Searching for Utopia." Address of the Albert B. Prescott/Glaxo Wellcome Leadership Award Recipient, American Pharmaceutical Association 144th Annual Meeting and Exposition. Mar. 1997.

Legislative Issues in Health-Care Forum: Panelist, University of Arizona Student Committee on Health-care Issues (Pharmacy, Nursing, Medicine), Tucson, AZ. Oct. 1996.

ACADEMIC APPOINTMENTS

Chapman University School of Pharmacy

- Clinical Assistant Professor: 2013 to present

Midwestern University, Glendale Campus

- Clinical Assistant Professor, Department of Pharmacy Practice: 1998 to 1999

Notre Dame of Maryland University School of Pharmacy

- Preceptor: 2012 to 2013

The Ohio State University

- Clinical Assistant Professor, Department of Pharmacy Practice: 2000 to 2001

The University of Arizona College of Pharmacy

- Clinical Instructor for Experiential Programs: Oct. 2010 to 2013

- Clinical Assistant Professor, Department of Pharmacy Practice: 1998 to 1999
- Regional Advisory Board Member: 1996 to 1999
- Alumni Council: 2011 to Present

University of the Sciences in Philadelphia

- Clinical Assistant Professor, Department of Pharmacy Practice: 2004 to 2008
- Preceptor, Department of Pharmacy Practice: 2000 to 2004

PROFESSIONAL AFFILIATION ACTIVITY

American Pharmacists Association

- Board of Trustees, Member at Large: 2009 to 2012;
 - Committees: Executive, Performance Improvement, Strategic Directions
- Board of Trustees, Member at Large: 2013 to 2016
 - Committees: Performance Improvement, Finance
- Board of Trustees, Presidential Candidate: 2011
- Policy Committee Member: 2008 House of Delegates
- House of Delegates Nominations Committee Member: 2006
- House of Delegates Nominations Committee Chair: 2003 to 2004
- Policy Committee Chair: 2002 House of Delegates
- Palliative Care Practice Interest Group: 2000 to 2001
- New Practitioner Advisory Committee Co-Chair: 1996 to 1997
- New Practitioner Advisory Committee Member: 1995 to 1996
- APPM Section on Community and Ambulatory Practice New Practitioner: 1995 to 1996
- Policy Committee on Education: 1994 to 1995
- Appointed Delegate to APhA House of Delegates: 1999 to 2009
- APhA-ASP Executive Committee Member at Large: 1991 to 1992

American Pharmacists Association Foundation

- Founder, Juan and Esperanza Luna Student Pharmacist Scholarship, 2013
- Member, Student Pharmacist Award Selection Committee, 2010 to Present

Arizona Pharmacy Association

- Board of Directors: 1994 to 1998
- Legislative Committee Chairman: 1995 to 1998
- Legislative Committee Chair-Elect: 1994 to 1995
- APA representative to the APhA House of Delegates: 1993 to 1998

California Pharmacists Association

- Elections Committee: 2013 to Present

Pharmacy Leadership and Education Institute

- Board of Directors: 2002 to Present
 - Committees: Program Development
- Co-Director, Leader Development Seminar: 2002, 2006, 2010, 2012, 2014
- Director, Leader Development Seminar: 2004
- Co-Director, Finding Balance Course Development: 2007 to 2013
- Co-Director, California Pharmacists Association Leader Development Institute: 2013, 2014

Pharmacy Technician Certification Board

- Speaker: 1999 to 2001
- Test Item Writer: 1995 to 2006
- Practice Analysis Committee: 1998 to 1999
- Certification Council Member: 1995 to 1999
- Certification Council Chair: 1998

Phi Lambda Sigma Pharmacy Leadership Society

- National President: 2001
- National President-elect: 2000
- Charter Alpha Tau Chapter President, University of Arizona: 1992
- Awards Selection Committee, 2002 to 2009; 2011

Phi Delta Chi Professional Fraternity

- Honorary Grand President: 2013
- Lifetime Member: 1988 to Present
- Grand Vice President for Collegiate Affairs: 1999 to 2001
- Western Region Director for Collegiate Affairs: 1995 to 1999
- Leader Development Seminar Facilitator: 1996; 1998
- Chair, Policy and Procedures Committee: 2011 to 2013

The University of Arizona College of Pharmacy

- Regional Advisory Board Member: 1996 to 1999
- Alumni Council: 2011 to Present