**UNIVERSITY OF PENNSYLVANIA**

**SCHOOL OF NURSING**

Curr­ic­ul­um Vitae

June 9, 2020

MARGARET “PEGGY” COMPTON, PHD, RN, FAAN

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| **BUSINESS ADDRESS:** Department of Family and Community HealthUniversity of Pennsylvania School of Nursing418 Curie Boulevard, Room 402Philadelphia, PA 19104pcompton@nursing.upenn.edu | **HOME ADDRESS:**143 S 2nd StreetApt 304Philadelphia, PA 19106 |

**EDUCATION**

PhD 1993 New York University, New York, NY Neuroscience Nursing Science

MS 1986 Syracuse University, Syracuse, NY Neuroscience Nursing,

Clinical Nurse Specialist

BSN 1982 University of Rochester, Rochester, NY Nursing

**POSTGRADUATE TRAINING**

1993-1995 University of California, Los Angeles, CA, T32 National Institute Drug Abuse

UCLA Drug Abuse Research Center, Neuropsychiatric Institute

**ACADEMIC POSITIONS**

2017 – present Associate Professor of Nursing (with tenure)

 van Ameringen Chair of Mental Health Nursing (endowed)

 University of Pennsylvania, Philadelphia, PA

2012-2016 Professor of Nursing (with tenure)

 Georgetown University, Washington, DC

2009-2012 Professor of Nursing (with tenure)

 University of California, Los Angeles, CA

2003-2012 Affiliate Faculty, Department of Psychiatry

Norman Cousins Center of Psychoneuroimmunology

University of California, Los Angeles, CA

2003-2009 Associate Professor of Nursing (with tenure)

 University of California, Los Angeles, CA

1997-2003 Assistant Professor of Nursing

 University of California, Los Angeles, CA

1996-1997 Lecturer, Nursing

 University of California, Los Angeles, CA

1995-1997 Assistant Clinical Professor of Nursing

 University of California, Los Angeles, CA

1994-1995 Assistant Researcher (post-doc), UCLA Drug Abuse Research Center University of California, Los Angeles, CA

1991-1992 Assistant Research Scientist (pre-doc), Department of Nursing

 Steinhardt School of Education, New York University, New York, New York

1990-1992 Assistant Clinical Professor of Nursing

 Yale University, New Haven, Connecticut

1988-1990 Lecturer, Nursing

 Yale University, New Haven, Connecticut

1986-1987 Clinical Instructor, Nursing

 Quinnipiac College, Hamden, Connecticut

1986-1987 Lecturer, Nursing

 Connecticut State University, New Haven, Connecticut

**CLINICAL & ADMINISTRATIVE POSITIONS**

**Administration**

2015-2016 Interim Chair, Department of Advanced Practice Nursing

 School of Nursing & Health Studies

 Georgetown University, Washington, DC

2014-2016 Associate Dean for Research, Evaluation and Graduate Programs

 School of Nursing & Health Studies

 Georgetown University, Washington, DC

2012-2014 Associate Dean for Academic Affairs

 School of Nursing & Health Studies

 Georgetown University, Washington DC

2009-2012 Associate Dean of Academic Affairs, School of Nursing

 University of California, Los Angeles, CA

**Clinical**

1989-1991 Research Nurse Clinician, Department of Psychiatry

 Yale University, New Haven, Connecticut

1989-1990 Clinical Nurse Specialist, Neuroscience Nursing

 The Hospital of St. Raphael, New Haven, Connecticut

1987-1989 Research Nurse Practitioner, Department of Psychiatry

 Yale University, New Haven, Connecticut

1986-1989 Staff Nurse, Neurosurgery Unit

 The Hospital of St. Raphael, New Haven, Connecticut

1983-1985 Staff, Charge Nurse, Neurosurgical Intensive Care Unit

 Upstate Medical Center, Syracuse, New York

1982-1983 Staff Nurse, General Medical Unit

 The Genesee Hospital, Rochester, New York

**CERTIFICATION/LICENSURE**

Registered Nurse Pennsylvania

 License No. RN705131

 Initial date: 2018

 Renewal/Expiration Date: April 30, 2021

 District of Columbia

License No. RN1040832

Initial date: 2016

Renewal/Expiration Date: Inactive

California

License No: 496382

Initial Date: 1993

Renewal/Expiration Date: Inactive

Connecticut

Initial Date: 1987

Renewal/Expiration Date: Inactive

New York

Initial Date: 1982

Renewal/Expiration Date: Inactive

**HONORS/ AWARDS/MEMBERSHPS IN HONORARY SOCIETIES**

2020 International Nurse Researcher Hall of Fame, Sigma Theta Tau International

2019 Deans' Distinguished Visiting Professorship, Department of Anesthesiology, University of Pennsylvania

2016 The Caron Treatment Center's 2016 Metro DC Community Service Research Award

2015 READ Award, Dahlgren Medical School Library, Georgetown University Medical Center

2012 Naming of *UCLA Annual Compton Dissertation Research Award*, School of Nursing, University of California, Los Angeles

2012 Faculty Marshal, PhD Commencement, School of Nursing, University of California, Los Angeles

2004 Fellow, American Academy of Nursing

2004 Research in Addictions Nursing Annual Award, International Nurses Society on Addictions

2003 Faculty Marshal, PhD Commencement, School of Nursing, University of California, Los Angeles

2002 Faculty Marshal, MSN Commencement, School of Nursing, University of California, Los Angeles

2001 Faculty Marshal, MSN Commencement, School of Nursing, University of California, Los Angeles

1999 Young Investigator Award, American society of Addiction Medicine

1999 Faculty Development Award, University of California, Los Angeles

1996 CPDD Travel Award, College on the Problem of Drug Dependence

1996 Dorfman Journal Paper Award, *Psychosomatics*

1989 Title II Traineeship for Doctoral Study, New York University

1986 Syracuse University Master’s Thesis Prize, Syracuse University

1984-1986 Syracuse University Fellow, Syracuse University

1982 Member, Kappa Delta Pi

1982 Member, Sigma Theta Tau

**RESEARCH**

**Doctoral Dissertation**

Perceptual reactance, Drug of Choice and Pain Perception in Substance Abusers (supervisor: Madeline Naegle, PhD, CNS-PMH,BC,FAAN; members: Phyllis Lisanti, PhD, RN; Sharon Weinberg, PhD).

UMI 9333902

**Past/Present Funded Research**

2019-2021 Effect of Opioid Taper on Pain Responses in Patients with Chronic Pain

 Principal Investigator 20%

 National Institute on Drug Abuse (NIDA)

 $442,750

2019-2021 Improving Patient Outcomes using Multimodal Perioperative Pain Management

 Co-Principal Investigator 10% (Co-PI J. Myers)

 PACIRA Pharmaceuticals

 $430,779

2018-2019 Post-operative Pain Responses in Dental Patients on Chronic Opioid Therapy

 Principal Investigator 0%

 Penn Nursing Faculty Intramural Award

 $9,472

2018-2019 Connected Health to Decrease Opioid Use in Patients with Chronic Pain

 Co-Principal Investigator 0% (Co-PIs M. Chhabra, K. Chaiyachati)

 Penn Center for Health Incentives & Behavioral Economics

 $33,525

2018-2019 Naloxone in Schools: School Nurse Reported Presence, Barriers and Facilitators

 Co-Investigator 0% (PI C. McDonald)

 Penn Injury Science Center Pilot Grant

 $7,173

2017-2018 Sensory Modulation in Opioid Abusers with Chronic Pain

 Principal Investigator 0%

 Penn Nursing Faculty Intramural Award

 $14,940

2016-2017 Effects of Opioid Taper on Opioid-induced Hyperalgesia in Chronic Pain Patients

 Principal Investigator 5%

 Partners in Research Pilot Award, Georgetown University Medical Center

 $25,000

2012-2017 Prescription Opioid Abusers: Effect of Pregabalin R01DA 029580

 Principal Investigator 30%

 National Institute of Drug Abuse (NIDA)

 $1,665,745

2011-2012 Pain Opioids and Pro-Inflammatory Immune Responses

 Co-investigator 0%

 American Association of Nurse Anesthetists Foundation

 $25,000

2009-2012 Pain, Opioids and Pro-Inflammatory Immune Responses R21 DA027558

 Principal Investigator 25%

 National Institute of Drug Abuse (NIDA)

 $275,000

2010-2012 Genomic Proinflammatory Responses to Pain and Opioids

 Principal Investigator 0%

 UCLA School of Nursing Intramural Grant

 $25,000

2009-2010 The Effects of Pain on Leukocyte CAM Expression

 Co-investigator 0%

 UCLA Older Americans Independence Center (OAIC)

 $20,000

2005-2008 The Effects of Pain on Leukocyte CAM Expression R03 NR009106

 Principal Investigator 25%

 National Institute of Nursing Research (NINR)

 $100,000

2002-2007 Hyperalgesia in Methadone-Maintained Patients R01 DA05463

 Principal Investigator 25%

 National Institute of Drug Abuse (NIDA)

 $2,892,181

1999-2001 HPA-mediated Immune response to Morphine Challenge in the Context of Chronic Opioid Maintenance

 Principal Investigator 0%

 Norman Cousins Center for Psychoneuroimmunology

 $20,000

1999-2001 Role of the mu-Opioid Receptor Gene in Human Pain Tolerance, Opioid Analgesia and Opioid Reward: A Pilot Study

 Principal Investigator 0%

 Stein-Oppenheimer Foundation

 $18,830

1998-2000 Quantification of Human Opioid Responsivity: A Pilot Protocol

 Principal Investigator 0%

 UCLA School of Nursing Intramural Grant

 $40,000

1998-2000 Concurrent Validity of Pressure Algometry

 Principal Investigator 0%

 UCLA School of Nursing Intramural Grant

 $10,000

1995-1998 Pain Tolerance and Analgesic Response in Opiate Addicts R03 DA09866

 Principal Investigator 0%

 National Institute of Drug Abuse (NIDA)

 $116,328

1991-1992 Perceptual Reactance, Drug of Choice and Pain Tolerance in Drug Abusers R03 HS06964

 Principal Investigator 0%

Department of Health and Services, Agency for Health Care Policy and Research $21,554

1990 Sigma Theta Tau Research Award

 Delta Mu chapter

 $750

1990 Nurse’s Educational Funds Scholarship,

 Nurse’s Educational Fund (NEF)

 $4500

1986 Sigma Theta Tau Research Award

 Omicron Chapter

 $300

**PUBLICATIONS**

**Journal Articles: Research, Peer-reviewed [**\*indicates data-based, student]

Bamgbose E, Griffis C, Compton P. (in press). The Opioid Crisis and the CRNA: Providing Emergency Care for Patients with Opioid Use Disorder. *AANA Journal*

\***Compton P**, Wasser TE, Cheatle M. (in press). Increased Experimental Pain Sensitivity in Chronic Pain Patients who developed Opioid Use Disorder. *Clinical Journal of Pain*

Aronowitz S, **Compton P**, Schmidt HD. (in press).Innovative Approaches to Educating Future Clinicians about Opioids, Pain, Addiction and Health Policy. *Pain Management Nursing*

\* Pavone KJ, Jablonski J, Junker P, Cacchione PZ, **Compton P**, Polomano RC. (in press). Evaluating Delirium Outcomes Among Older Adults in the Surgical Intensive Care Unit. *Heart & Lung*.

\* McDonald CC, Pinto-Martin J, **Compton P**, Parikh M, Meisel ZF. (2020). School nurse reported supply and administration of naloxone in schools. Public Health Nursing, 37(3), 347-352. doi.org/10.1111/phn.12715

**Compton P**, Blacher S. (2020). Nursing Education in the Midst of the Opioid Crisis. *Pain Management Nursing,* 21(1):35-42. doi: 10.1016/j.pmn.2019.06.006.

**Compton P**. (2019). Acute Pain Management for Patients on Medication-assisted Therapy. *AACN Advanced Critical Care*, 30(4): 335-342.

Cooper S, **Compton P**. (2019). Nursing Interventions for Sexual Dysfunction: An Integrative Review for the Psychiatric Nurse*.* *Archives of Psychiatric Nursing* 33:389–399.

\* Cheatle MD, **Compton P**, Dhingra L, Wasser T, O'Brien C. (2019). Development of the Revised Opioid Risk Tool to Predict Opioid Use Disorder in Patients with Chronic Non-Malignant Pain. *Journal of Pain,* 20(7):842-851. doi: 10.1016/j.jpain.2019.01.011.

\*Arout CA, Waters AJ, MacLean RR, **Compton P**, Sofuoglu M. (2019). Minocycline does not affect experimental pain or addiction-related outcomes in opioid maintained patients. *Psychopharmacology,* 236(10):2857-2866. doi: 10.1007/s00213-018-5146-7.

Pavone KJ, Cacchione PZ, Polomano RC, Winner L, **Compton P**. (2018). [Evaluating the use of dexmedetomidine for the reduction of delirium: An integrative review.](https://www.ncbi.nlm.nih.gov/pubmed/30266265) *Heart & Lung* 47(6): 591-601. doi: 10.1016/j.hrtlng.2018.08.007.

Giron SE, Olson RA, Griffis CA, **Compton P**. (2018). The Opioid Crisis and the Certified Registered Nurse Anesthetist: Caring for Patients with Opioid Use Disorder in Drug-Free Recovery. *AANA Journal* 86(5): 82-82.

Bisaga A, Mannelli P, Sullivan MA, Vosburg SK, **Compton P**, Woody GE, Kosten TR. (2018). Antagonists in the Medical Management of Opioid Use Disorders: Historical and Existing Treatment Strategies. *American Journal on Addictions*. 27(3): 177-187. doi: 10.1111/ajad.12711

Myers J, **Compton P.** (2017). Addressing the Potential for Perioperative Relapse in Those Recovering from Opioid Use Disorder. *Pain Medicine*. 0: 1–8. doi: 10.1093/pm/pnx277

Tompkins DA, Hobelmann JG, **Compton P**. (2017). Providing Chronic Pain Management in­­ the "Fifth Vital Sign" Era: Historical and Treatment Perspectives on a Modern-Day Medical Dilemma. *Drug and Alcohol Dependence*.173 Suppl 1:S11-S21. doi: 10.1016/j.drugalcdep.2016.12.002

**Compton P**, Chang YP. (2017). Substance Abuse and Addiction in Cancer Patients: Implications for Pain Management. *Clinical Journal of Oncology Nursing*. 21(2):203-209.

\*Chaudhary S, **Compton P.** (2017). Use of Risk Mitigation Practices by Family Nurse Practitioners Prescribing Opioids for the Management of Chronic Non-Malignant Pain, *Substance Abuse*. 38(1):95-104.

Chang YP, **Compton P**. (2016). Opioid Misuse/Abuse and Quality Persistent Pain Management in Older Adults. *Journal of Gerontological Nursing.* 42(12):21-30. doi: 10.3928/00989134-20161110-06.

\* Knestrick J, Wilkinson M, Lange-Kessler J, Pellathy T, **Compton P.** (2016) Predictors of Retention of Students in an Online Nurse Practitioner Program. *J. Nurse Practitioner*. 12 (9): 635-640.

\*[Baron Nelson M, **Compton P**, Macey PM, Patel SK, Jacob E, O'Neil S, Ogren J, Finlay JL, Harper RM (2016).](http://www.ncbi.nlm.nih.gov:80/entrez/query.fcgi?cmd=Retrieve&dopt=Abstract&db=PubMed&list_uids=26219302) Diffusion Tensor Imaging and Neurobehavioral Outcome in Children With Brain Tumors Treated With Chemotherapy. *J Pediatr Oncol Nurs*. 33(2):119-28.

**\*Compton P**, Griffis C, Breen EC, Torrington M, Sadakane R, Tefera E, Irwin MR. (2015). Opioid Treatment of Experimental Pain Activates Nuclear Factor-κB. *J Opioid Manag*. 11(2):115-25.

Kanouse A, **Compton, P**. (2015). The Epidemic of Prescription Opioid Abuse, the Subsequent Rising Prevalence of Heroin Use, and the Federal Response: A Review of Current Literature. *Journal of Pain and Palliative Care*. 29:102-114.

\*Chang YP, **Compton P,** Almeter P, Fox CH. (2015). The Effect of Motivational Interviewing on Prescription Opioid Adherence among Older Adults with Chronic Pain. *Perspectives in Psychiatric Care*. 51(3):211-9. doi: 10.1111/ppc.12082.

\*Meyer DM, Eastwood JA, **Compton P**, Gylys K and Zivin J. (2014). rLOAD: Does Sex Mediate the Effect of Acute Antiplatelet Loading on Stroke Outcome? *Biol Sex Differ*. 15;5:9 doi: [10.1186/2042-6410-5-9](https://dx.doi.org/10.1186/2042-6410-5-9)

\*Baron Nelson M, Macey PM, Harper RM, Jacob E, Patel SK, Finlay JL, Nelson MD, **Compton P**. (2014). Structural brain alterations in children an average of 5 years after surgery and chemotherapy for brain tumors. *J Neurooncol* 119(2):317-26.

\*Meyer DM, **Compton P**, Eastwood JA, Gylys K, Zivin JA. (2013). [Antiplatelet Loading Improves Behavioral Outcome in a Rabbit Model of Stroke.](http://www.ncbi.nlm.nih.gov/pubmed/23982714) *Stroke*. 44(11):3246-8.

\*Griffis CA, **Compton P,** Breen EC, Goldberg A, Witarama T, Kotlerman J, Irwin, MR. (2013). Acute Painful Stress and Inflammatory Mediator Production. *Neuroimmunomodulation* 20:127-133.

Baron Nelson M, **Compton P**, Patel S, Jacob E, Harper R. (2013). Treatment-related Neuronal Injury and Neurobiobehavioral Function in Children with Brain Tumors - A review of the literature. *Cancer Nursing* 36(2): E31-47. DOI: 10.1097/NCC.0b013e31825d1eb0.

Chang YP, **Compton P**. (2013). Management of chronic pain with chronic opioid therapy in patients with substance use disorders, *Addiction Science & Clinical Practice,* 8(21). DOI: 10.1186/1940-0640-8-21

**\*Compton P**, Canamar C, Hillhouse M, Ling W. (2012). Hyperalgesia in heroin dependent patients and the effects of opioid substitution therapy. *Journal of Pain,* 13: 401-409.

Oliver J, Coggins C, **Compton P**, Hagan S, Matteliano D, Stanton M, St Marie B, Strobbe S, Turner HN. (2012). [American Society for Pain Management nursing position statement: pain management in patients with substance use disorders.](http://www.ncbi.nlm.nih.gov/pubmed/22929604) *Pain Manag Nurs.* 13(3):169-83.

\*Meyer DM, Eastwood J, **Compton M**, Gylys K, Zivin JA, Ovbiagele B.  (2011). Sex Differences In Antiplatelet Response in Ischemic Stroke.  *Women’s Health* 7(4):465-74.

Ziegler P, **Compton P**, Goldenbaum, D. (2011). Prescription Drug Abuse and Diversion in Clinical Practice: What can be Learned from Regulatory Sanction Data. *Journal of Addiction Nursing* 22(1-2): 13-18.

**Compton, P**. Treating Chronic Pain with Prescription Opioids in the Substance Abuser: Relapse Prevention and Management. (2011). *Journal of Addiction Nursing* 22(1-2): 39-45.

\*Goebel J, **Compton P**, Zubkoff L, Lanto A, Asch SM, Sherbourne CD, Shugarman L, Lorenz KA. (2011). Prescription Sharing, Alcohol, and Street Drug Use to Manage Pain Among Veterans. *J Pain and Symptom Management* 41(5):848-58.

**\*Compton P**, Kehoe P, Sinha K, Torrington MA, Ling W. (2010). [Gabapentin improves cold-pressor pain responses in methadone-maintained patients.](http://www.ncbi.nlm.nih.gov/pubmed/20163921) *Drug Alcohol Depend*. 1;109(1-3):213-9.

\*Nyamathi A, **Compton P**, Cohen A, Marfisee M, Shoptaw S, Greengold B, Castro VD, Reaves M, Hasson A, George D, Leake B. (2009). [Correlates of Hospitalization for Alcohol-Using Methadone-Maintained Persons with Physical Health Problems.](http://www.ncbi.nlm.nih.gov/pubmed/19129517?ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum) *West J Nurs Res*. 31(14): 525-43.

Wilson H, **Compton, M**. (2009). Reentry of the Addicted Certified Registered Nurse Anesthetist: A Review of the Literature. *Journal of Addictions Nursing,* 20: 4, 177 – 184.

\*Athanosos P, Farqharson A, Psaltis P, **Compton P**, Justin H. (2008). Electrocardiagram Characteristics of Methadone and Buprenorphine maintained subjects. *Journal of Addictive Diseases* 27(3):31-5.

**Compton P.** (2008). Treating Pain, Beating Addiction. *Of Substance* 6(2): 24-26.

**\*Compton P**, Ling W, Torrington MA. (2008). Lack of Effect of Chronic Dextromethorphan on Experimental Pain Tolerance in Methadone-maintained Patients. *Addiction Biology* 13(3-4):393-402.

**\*Compton P**, Wu SM, Schieffer B, Pham Q, Naliboff BD. (2008). Introduction of Self-report Version of the Prescription Drug Use Questionnaire and Relationship to Medication Agreement Non-compliance. *Journal of Pain and Symptom Management* 36(4):383-95.

**Compton P**. (2008). Should Opioid Abusers Be Discharged from Opioid-Analgesic Therapy. *Pain Med* 9(4):383-90.

**\*Compton P**, Ling W, Chiang N, Moody D, Huber A, Ling D, Charuvastra C. (2007). Pharmacokinetics of Buprenorphine: A Comparison of Sublingual Tablet vs. Liquid after Chronic Dosing. *Journal of Addiction Medicine*, 1: 88-95.

**Compton P.** (2007). The Role of Urine Toxicology in Chronic Opioid Therapy. *Pain Management Nursing* 8(4); 166-172.

**Compton P.** (2007). Unfounded Fear of Addiction – An Unnecessary Limit on the Use of Pain Medications. *Practical Bioethics* 3(3): 8-9.

\*Griffis CA, Irwin MR, Martinez-Maza O, Doering L, Nyamathi A, Kaufman R, Elashoff D, Aziz N, **Compton P**. (2007). Pain-related Activation of Leukocyte Cellular Adhesion Molecules: Preliminary Findings. *Neuroimmunomodulation*, 14:224-228.

\*Wu S, **Compton P**, Bolus R, Schieffer B, Pham Q, Baria A, Van Vort W, Davis F, Shekelle P, Naliboff B. (2006). The Addiction Behaviors Checklist: Validation of a New Clinician-Based Measure of Inappropriate Opioid Use in Chronic Pain. *Journal of Pain and Symptom Management*, 32(4): 342-351.

Alford DP, **Compton P**, Samet JH. (2006). Acute Pain Management for Patients Receiving Methadone or Buprenorphine Therapy. *Annals of Internal Medicine*, 144: 127-134.

**\*Compton P**, Ling W, Moody D, Chiang N. (2006). Pharmacokinetics, Bioavailability and Opioid Effects of Liquid vs. Tablet Buprenorphine. *Drug and Alcohol Dependence*, 82:25-31.

\*Griffis C, **Compton P**, Doering, L. (2006). The Effect of Pain on Leukocyte Cellular Adhesion Molecules, *Biological Research for Nursing*, 7(4): 297-312.

Ling W, **Compton P**. (2005). Recent Advances in the treatment of opioid addiction. *Clinical Neuroscience Research*, 5:161-167.

Snow D, **Compton P.** (2003).Chronic Pain and Prescription Opioid Abuse: What Do We Know. *Journal of Addictions Nursing*, 14(2):103-107.

Ling W, Rawson RA, **Compton M**. (2003). [Clinical treatment of opioid addiction and dependence.](http://www.ncbi.nlm.nih.gov/pubmed/12703332?ordinalpos=73&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum) *Methods Mol Med*. 84:285-95.

**\*Compton P**, Miotto K, Elashoff D. (2003). Precipitated Opioid Withdrawal Across Acute Physical Dependence Induction Methods. *Pharmacology, Biochemistry, and Behavior*, 77: 263-268.

**Compton, P**, Athanasos P. (2003). Chronic Pain, Substance Abuse and Addiction. *Nurs. Clin. North Am*., 38, 525-538.

**\*Compton P**, Athanasos P, Elashoff D. (2003). Withdrawal Hyperalgesia After Acute Opioid Physical Dependence in Nonaddicted Humans: A Preliminary Study.  *Journal of Pain*, 4(9): 511-519.

**\*Compton P**, Geschwind DH, Alarcón, M. (2003). Association Between Human mu-Opioid Receptor Gene Polymorphism, Pain Tolerance and Opioid Addiction. *American Journal of Medical Genetics*, 121B, 76-82.

**\*Compton P**, Charuvastra VC, Ling W. (2003). Effect of Oral Ketorolac and Gender on Human Cold-Pressor Pain Tolerance. *Clin. Exp. Pharmacol. Physiol*., 30, 759-763.

**Compton P**. (2002). Caring for an Alcohol-Dependent Patient. *Nursing2002*, 32(12):58-64.

**\*Compton P**, Charuvastra VC, Ling W. (2001). Pain Intolerance in Opioid-Maintained Former Opiate Addicts: Effect of Long-Acting Maintenance Agent. *Drug Alcohol Depend*., 63:139-146.

**Compton P**. (2001). Controlling Pain: Understanding Addictive Disease. *Nursing2001*, 31(9): 28.

**Compton P**, Estepa C. (2000). Differential Diagnosis: Addiction in Patients with Chronic Pain. *Lippincotts Prim. Care Pract*., 4:254-272.

**\*Compton P**, Charuvastra VC, Kintaudi K, Ling W. (2000). Pain Responses in Methadone-Maintained Opioid Abusers. *J. Pain Symptom Manage*, 20:237-245.

**\*Compton P**. (2000). Perceptual Reactance, Drug Preference and Electrodermal Activity in Treatment Seeking Substance Abusers. *Issues Ment Health Nurs*, 21:109-125.

**Compton P**, Monahan G, Simmons H. (1999). Motivational Interviewing: An Effective Brief Intervention for Alcohol and Drug Abuse Patients. *Nurse Pract*., 24:27-47.

**Compton P.** (1999).[Controlling Pain: Managing a drug abuser's pain](https://journals.lww.com/nursing/Citation/1999/05000/Controlling_Pain__Managing_a_drug_abuser_s_pain.18.aspx). *Nursing99*, 29:26-29.

**\*Compton P**. (1998). Pain Tolerance On and Off Naltrexone Pharmacotherapy. *J. Pain Symptom Manage*, 16:21-28.

**\*Compton P**, Darakjian J, Miotto K. (1998). Screening for Addiction in Patients with Chronic Pain with “Problematic“ Substance Use: Evaluation of a Pilot Assessment Tool. *J. Pain Symptom Manage*., 16:355-363.

**\*Compton M**, Anglin MD, Khalsa ME, Paredes A. (1996). The D2 Dopamine Receptor Gene, Addiction and Personality: Clinical Correlates in Cocaine Abusers. *Biol. Psychiatry*, 39:302-304.

**\*Compton PA**, Wesson DR, Charuvastra VC, Wilkins J, Ling W. (1996). Urine Toxicology as an Outcome Measure in Drug Abuse Clinical Trials: Must Every Sample be Analyzed? *J Addict Dis*, 15:85-92.

Miotto K, **Compton P**, Ling W, Conolly M. (1996). Diagnosing Addictive Disease in Chronic Pain Patients. *Psychosomatics*, 37:223-235.  ***Dorfman Journal Paper Award.***

**\*Compton P**, Wesson D, Charuvastra CV, Ling W. (1996). Buprenorphine as a Pharmacotherapy for Opiate Addiction: What Dose Provides a Therapeutic Response? *Am J Addict*, 5:220-230.

**Compton P**, Wesson D, Charuvastra C, Ling W. (1995). Buprenorphine as a Pharmacotherapy for Cocaine Abuse: A Review of the Evidence. *J Addict Dis*, 14:97-114.

Ling W, Rawson RA, **Compton MA**. (1994). Substitution Pharmacotherapies for Opiate Addiction: From Methadone to LAAM and Buprenorphine. *J Psychoactive Drugs*, 26:119-28.

 **\*Compton M**. (1994). Cold Pressor Pain Tolerance in Opiate and Cocaine Abusers: Correlates of Drug Type and Use Status. *J Pain Symptom Manage*, 9:462-473.

\*Paige D, Preble L, Watrous G, Kaalaas-Sittig J, **Compton P**. (1994). PCA Use in Cocaine Abusing Patients. *Am J Pain Manag*, 4:101-105.

\*Kosten T, Gawin FH, Silverman DG, Fleming J, **Compton M**, Jatlow P, Byck RB. (1992). Intravenous Cocaine Challenges During Desipramine Maintenance. *Neuropsychopharm*, 7(3):169-176.

\*Kosten TK, Silverman D, Fleming J, Kosten TA, Gawin FH, **Compton M**, Jatlow P, Byck R. (1992). Intravenous Cocaine Challenges During Naltrexone Maintenance: A Preliminary Study. *Biol Psychiatry*, 32:543-548.

\*Watson R, Bakos L, **Compton P**, Gawin FH. (1992). Cocaine Use and Withdrawal: The Effect on Sleep and Mood. *Am. J. Drug Alcohol Abuse*, 18:21-28.

**\*Compton P**. (1991). Critical Illness and Intensive Care: What Does it Mean to the Client? *Crit Care Nurse*, 11:50-56.

**Compton M.** (1989). A Rogerian View of Substance Abuse: Implications for Nursing. *Nurs Sci Q*, 2(2):98-105.

**Compton P**. (1989). Drug Abuse: A Self Care Deficit. *J Psychosoc Nurs Ment Health*, 27(3):22-26.

**Journal Articles: Research, Peer Reviewed Reviews**

Chou R, Fiellin DA, Cruciani RA, **Compton P**, Farrar JT, Haigney MC, Inturrisi C, Knight JR, Otis-Green S, Marcus SM, Mehta D, Meyer MC, Portenoy R, Savage S, Strain E, Walsh S, Zeltzer L. (2014). Methadone Safety Guidelines. Methadone Safety: A Clinical Practice Guideline from the American Pain Society and College on Problems of Drug Dependence, in Collaboration with the Heart Rhythm Society. *J Pain* 15(4): 321-337.

Oliver J, Coggins C, **Compton P,** Hagan S, Matteliano D, Stanton M, St. Marie B, Strobbe S, Turner HN. (2012). American Society for Pain Management Nursing Position Statement: Pain Management in Patients with Substance Use Disorders. *J Addict Nurs*, 23(3):210-22. DOI: 10.1097/JAN.0b013e318271123.

Zacny J, Bigelow G, **Compton P**, Foley K, Iguchi M, Sannerud C. (2003). College on Problems of Drug Dependence Taskforce on Prescription Opioid Non-Medical Use and Abuse: Position Statement, *Drug Alcohol Depend*, 69:215-232.

**Abstracts/Poster Presentations** [past three years; \* indicates data based, ∞ indicates peer reviewed, student]

\*∞ Chhabra M, **Compton P**, Chaiyachati K. Behavioral Incentives to Improve Mobility and Decrease Opioid Use in Veterans with Chronic Pain, 2020 Society of General Internal Medicine Annual Meeting, Birmingham AL, May 9, 2020. (cancelled due to COVID-19)

\*∞ Ritter A, **Compton P**, Coe N, Burke R. Prevalence and Patterns of Opioid Use Disorder among Veterans Discharged to Post-Acute Care, LDI Health Policy Retreat, Philadelphia PA, January 29, 2020.

\*∞ Regan E, Hanlon A, Teitelman A, **Compton P**, McDonald C. Misuse of Prescription Opioids and Injury Experience Among Athletes, APHA’s 2019 Annual Meeting, Philadelphia PA, November 2-6, 2019.

\*∞ **Compton P**, Chaiyachati K, Chhabra M. Connected Health to Decrease Opioid Use in Patients with Chronic Pain”, Penn-Carnegie Mellon University Roybal Center on Behavioral Economics and Health 2019 Retreat, Hershey PA, Oct 3-4, 2019[.](https://apha.confex.com/apha/2019/meetingapp.cgi/Paper/448411)

\*∞ Fakhar CM, Hersh EV, Wang S, Ford B, Giannakopoulos H, **Compton P**. Postoperative Pain Responses in Dental Patients on Chronic Opioid Therapy**,** AAOMS Annual Convention, Boston MA, September 20, 2019.

∞ **Compton P**, Fratantonio J, Sanchez C, Akerman S, Sullivan M. Mechanisms of Action of Extended-Release Injectable Naltrexone: An Antagonist Medication for the Treatment of Patients with Opioid Use Disorder, 2019 American Association of Nurse Practitioners Conference, Indianapolis IN, June 2019.

\*∞ Arout CA, Waters AJ, MacLean RR, **Compton P**, Sofuoglu M. Minocycline does not affect experimental pain or addiction-related outcomes in opioid maintained patients, College on Problems of Drug Dependence, San Antonio TX, June 2019.

\*∞ Pavone KJ, Jablonski J, Polomano RC, Cacchione PZ, **Compton P**. Investigating the relationships among pain, opioids and next-day delirium status in older adults in the surgical intensive care unit, 2019 American Delirium Society Annual Meeting*.*Boston, MA. June 16-18, 2019.

\*∞ McDonald CC, Pinto-Martin J, **Compton P**, Parikh M, Meisel Z. Pennsylvania School Nurse Reported Presence and Administration of Naloxone in Schools, Society for Advancement of Violence and Injury Research, Cincinnati, OH, April 2019.

 ∞ **Compton P**, Myers J, Earls B, Yang S. Improving Patient Outcomes using Opioid-sparing Multimodal Perioperative Pain Management: The ComfortSafe Protocol, American Academy of Pain Medicine’s 35th Annual Meeting, Denver CO, March 2019.

∞ **Compton P**, Arout CA, Sofuoglu M, Rieb L. Opioids cut both ways: Pain induced by use and withdrawal, International Association for the Study of Pain World Congress on Pain, Boston MA, September 2018.

∞ Speight L, **Compton P**, Mannelli P, Akerman SC, Sullivan MA, Bisaga A, Fratantonio J, Zavod A. Transition to extended-release naltrexone (XR-NTX) in opioid use disorder. American Association of Nurse Practitioners, Denver CO, June 2018.

∞ **Compton P**, Mannelli P, Tompkins DA, Akerman SC, Sullivan MA, Kosten TR, Bisaga A. Outpatient transition to extended-release naltrexone in opioid use disorder. American Psychiatric Nursing Association, Phoenix AZ, Oct 2017.

∞ Myers JW, **Compton P**, Kim JH, Tully K, Kuvadia M, Wagner K, Meyers M. The Comfort Care Perioperative Recovery Maintenance Program: A Proactive Approach to Providing Perioperative Anesthetic Care to Recovering Addicts. American Society of Anesthesiologists (ASA) Annual Meeting 2017, Boston, Massachusetts, Oct 2017 ***First Place Exhibit***

\*∞ Pena S, Carse T, **Compton P**. Effects of Water Temperature on Cold Pressor Test Responses in Patients with Opioid Use Disorder. American Pain Society, Pittsburgh PA, May 2017.

\* ∞ Young H, **Compton P**. “Opioid Square": A Novel Educational Tool for Making Opioid Conversions. Annual Assembly of Hospice and Palliative Care, Phoenix, February 22 - 25, 2017.

**Chapters in books or monographs**

Tkacs NC, **Compton, P,** Pavone KJ. “Nervous System”, In: Tkacs, N.C., Herrmann, L.L., and Johnson, R.L, (eds.), Advanced Physiology and Pathophysiology: Essentials for Clinical Practice. New York: Springer Publishing Company, 2020, 542-618.DOI:10.1891/9780826177087.0015

**Compton P.** “Pain Management in Patients with Opioid Use Disorder”, In: Ling, W., Stephenson, D., and Vasti E, (eds.), Guidelines for Physicians Working in California Opioid Treatment Programs" (NTP Guideline). San Francisco, CA: California Society of Addiction Medicine (CSAM), 2019, 44-46.

**Compton P**, Chang YP, Meghani S. “Caring for the Patient with Substance Use Disorder at the End of Life”, In: Ferrell, B., and Paice, J. (eds.), Oxford Textbook of Palliative Nursing, 5th ed. New York, NY: Oxford University Press, 2019, 521-529. ***2019 AJN Book of the Year***

**Compton P**, Sandbrink F. “Opioid Therapy of Pain”, In: Miller, S.C., Fiellin, D., Rosenthal, R.N., and Saitz, R. (eds.), The ASAM Principles of Addiction Medicine, 6th ed. Baltimore, MD: Wolters Kluwer, 2019, 1547-1582.

Gallagher RM, **Compton P**, Popescu A. “The Pathophysiology of Chronic Pain and Clinical Interfaces with Substance Use Disorder”, In: Miller, S.C., Fiellin, D., Rosenthal, R.N., and Saitz, R. (eds.), The ASAM Principles of Addiction Medicine, 6th ed. Baltimore, MD: Wolters Kluwer, 2019, 1483-1505.

**Compton P,** Sandbrink F, Cheatle M. “Treatment of Pain in Patients with Addiction”, In: Ballentyne J., Fishman SM, Rathmell, J. (eds.), Bonica’s Management of Pain, 5th ed***.*** Philadelphia, PA: Wolters Kluwer, 2018, pp. 453-475.

Chang YP, **Compton P**. “Substance Abuse and Addiction,” In: Carroll-Johnson, R. M., Gorman, L., and Bush, N. J. (eds.), Psychosocial Nursing Care along the Cancer Continuum, 3rd ed. Pittsburg, PA: Oncology Nursing Society, 2018, pp. 427-450.

**Compton P**. “Methadone Hyperalgesia,” In: Cruciani, R, Knotkova, H (eds.) Handbook of Methadone Prescribing and Buprenorphine Therapy, New York, NY: Springer, 2013, pp. 91-108.

**Compton P.** “Managing Addiction Risk in Patient treated with Opioids,” In: Managing Chronic Pain in Adults with or in Recovery from Substance Use Disorders, TIP 54, HHS Publication No. (SAM) 12-4671. Rockville, MD: Substance Abuse and Mental Health Services Administration, 2012, pp. 49-64.

Cavacuiti CA, **Compton P,** Gallagher RM, Mardini IA. **"**The Neurophysiology of Pain and Interfaces with Addiction," Principles of Addiction Medicine: The Essentials, Philadelphia PA: Lippincott Williams and Wilkins, 2011, pp. 511-517.

**Compton P,** Gallagher RM, Mardini IA. **"**The Neurophysiology of Pain and Interfaces with Addiction," In: Ries, R.K., Fiellin, D.A., Miller, S.C., Saitz, R. (eds.) Principles of Addiction Medicine, 4th ed. Philadelphia, PA: Wolters Kluwar, 2009, pp. 1277-1295.

Ling W, **Compton P**. “Opioid Addiction and Opioid-Induced Hyperalgesia: Challenging Clinical Issues on the Interaction between Addiction and Hyperalgesia,” In: Mao J (ed.) Opioid-Induced Hyperalgesia, Boca Raton, FL: Taylor & Francis, 2009, pp. 74-94.

**Compton P.** “Aberrant Behavior and Drug Abuse Treatment in Pain Patients,” In: Smith, H.S., and Passik, S.D. (eds.), Pain and Chemical Dependency. New York, NY: Oxford University Press, 2008, pp. 419-424.

**Compton P.** “Substance Abuse,” In: Carroll-Johnson, R. M., Gorman, L., and Bush, N. J. (eds.), Psychosocial Nursing Care along the Cancer Continuum, 2nd ed. Pittsburg, PA, 2005, pp. 372-389. ***2006 AJN Book of the Year***

Kirsh KL, **Compton P**, Passik SD. “Caring for the Drug-addicted Patient at the End of Life,” In: Ferrell, B. R., and Coyle, N. (eds.), Textbook of Palliative Nursing, 2nd ed. New York, NY: Oxford University Press, 2005, pp. 301-321.

Ling W, **Compton P**, Rawson R, Wesson DR. “Neuropsychiatry of Alcohol and Drug Abuse,” In: Schiffer, R.B., Rao, S.M., and Fogel, B.S. (eds.), Neuropsychiatry, 2nd ed., Baltimore, MD: Lippincott, Williams & Wilkens, 2003, pp. 893-933.

**Compton P**, Gebhart G. “The Neurophysiology and Pain and Addiction,” In: Graham, A.W., Schultz, T.K., Mayo-Smith, M.F., Ries, R.K., and Wilford, B.B. (eds.), Principles of Addiction Medicine, 3rd ed., Annapolis, MD: American Society of Addiction Medicine, 2003, pp. 1385-1404.

Ling W, Rawson R, **Compton P**. “Clinical Treatment of Opioid Addiction and Dependence,” In: Pan, Zhizhong Z., Opioid Research., Totowa, NJ: Humana Press Inc., 2003, pg. 285-295.

**Compton P**, Gebhart GF. “The Physiology of Addiction and Pain: Potential Sources of Interaction,” In: Graham, A.W., Schultz, T. K., and Wilford, B.B. (eds.), Principles of Addiction Medicine, 2nd ed. Annapolis, MD: American Society of Addiction Medicine, 1999, pp901-918.

**Compton P**. “Substance Abuse,” In: McCaffery, M., and Pasero, C. (eds.), Pain: Clinical Manual, 2nd ed., St. Louis, MO: Mosby, 1999, pp. 428-466.

Ling W, **Compton P.** “Opiate Maintenance Therapy with LAAM.” In: Stine, S.M., and Kosten, T.R. (eds.), New Treatments for Opiate Dependence: Which Treatments for Which Patients. New York, NY: Guilford Publications, 1997, pp. 231-253.

Ling W, Shoptaw S, Wesson D, Rawson R, **Compton M**, Klett CJ. “Treatment Effectiveness Score as an Outcome Measure in Clinical Trials,” In: Tai, B., Chiang,, N., and Bridge, P. (eds.), Medication Development for the Treatment of Cocaine Dependence: Issues in Clinical Efficacy Trials. NIDA Research Monograph 175, NIH Pub. No. 97-4125. Rockville, MD: NIDA, 1997, pp. 208-220.

**Compton P**. “Addictions Nursing Research,” In: Allen, K. (ed.), Addictions Nursing for the 21st Century. Philadelphia, PA: J.B. Lippincott Company, 1996, pp. 304-330.

Ling W, **Compton P,** Rawson R, Wesson D. “The Neuropsychiatry of Alcohol and Drug Abuse,” In: Fogel, B.S., and Schiffer, R.B. (eds.), Neuropsychiatry. Baltimore, MD: Williams & Wilkins, 1996, pp. 679-721.

Stitzer ML, Walsh SL, Strain EC, Schuh KJ, Bigelow GE, Ling W, Klett CJ, **Compton, MA**. “Clinical Pharmacology of Buprenorphine,” *In: Harris, L.S*. (ed.), Problems of Drug Dependence, 1994. NIDA Research Monograph 152, NIH Pub. No. 95-3882. Rockville, MD: NIDA, 1995, pp. 79-83.

**Compton M**. “Nursing Care in Acute Intoxication,” In: Naegle, M.A. (ed.), Substance Abuse Education for Nurses: Advanced Baccalaureate Level. New York, NY: NLN, 1992, pp. 349-407.

**Compton M**. “Nursing Care in Withdrawal,” In: Naegle, M.A. (ed.), Substance Abuse Education for Nurses: Advanced Baccalaureate Level. New York, NY: NLN, 1992, pp. 411-462.

**Compton M**. “Research Perspectives on Alcohol and Drug Problems,” In: Naegle, M.A. (ed.), Substance Abuse Education for Nurses: Masters' Degree Level. New York, NY: NLN, 1992, pp. 141-181.

**Guest Editorials, Book Reviews, Other Publications**

**Compton P.** (2019).Commentary:Chronic Pain and Addiction: Worry about the Worrier. *Am J Drug Alcohol Abuse*. 45:5, 430-431. DOI: 10.1080/00952990.2019.1642342.

**Compton, P.** (2019).How To Win America's Fight Against The Opioid Epidemic. *SWHelper.* <https://www.socialworkhelper.com/2019/06/11/how-to-win-americas-fight-against-the-opioid-epidemic/>

**Compton, P.** (2019). How to win America’s Fight against the Opioid Epidemic. Scholars Strategy Network Brief: Key Findings.

Malliarakis K, Joyner J, Walsh T, Dengler M, Cavallo K, **Compton P.** (2016). Diversion Programs for Impaired Nurse Professionals: Characteristics of Participants in the District of Columbia Committee on Impaired Nurses (COIN). *DC Nurse*; 13(2): 14-18.

**Compton P,** Weaver M. (2015). Commentary: Responsible Opioid Use, *J Pain Palliative Care*; 29:166-168

**Compton P**. (2014). Commentary: [Trust but Verify.](http://www.ncbi.nlm.nih.gov/pubmed/25376474) *Pain Med*. 15(12):1999-2000. doi: 10.1111/pme.12604\_2

**Compton P**.(2011).Invited Editorial: Prescription Medication Abuse: What Do We Do? *J Addiction Nurs* 22(1-2): 5-7, 2011.

**Compton P**. (2003). Invited Editorial: Chronic Pain and Prescription Opioid Abuse: What Do We Know? *J Addictions Nurs*, 14(2) 103-7.

White GB, **Compton** **P**. (1991). Nurse in Dilemma: HIV Client Won't Tell Sex Partners, *Am. Nurse*, 23(10):28-29, 1991

**Alternative Media**

*Opioids: Addiction, Recovery and Alternatives*, Prof Talks w/ Adam Vassallo Podcast. <https://prof-talks.com/2019/05/05/peggy-compton/>. Posted May 6, 2019.

*Treating Pain, Treating Addiction*, Scholars Strategy Network No Jargon Podcast. <https://scholars.org/podcast/treating-pain-treating-addiction>. Posted February 15, 2019.

*Medication Assisted Treatment*, the PEW Charitable Trusts Foundation video <http://www.pewtrusts.org/en/multimedia/video/2017/medication-assisted-treatment-the-best-therapy-for-opioid-use-disorder>. Posted October 27, 2017.

*Dr. Peggy Compton discusses Opioid Epidemic,*Radio Interview,Buffalo WBEN 930am <https://wben.radio.com/articles/national-opioid-research-expert-visits-ub>. Aired March 31, 2017.

Opioid Addiction Expert Speaks in Buffalo, Television Interview, Buffalo, NBC Channel 2, WGRZ, <https://www.wgrz.com/article/news/local/opioid-addiction-expert-speaks-in-buffalo/71-427416106>. Aired March 31, 2017.

*The CDCs New Guideline on Prescribing Opioid Painkillers*, Panelist on The Diane Rehm Show, <https://dianerehm.org/shows/2016-03-17/the-cdcs-new-guidelines-on-prescribing-opioid-painkillers>. Aired March 17, 2016.

**CONSULTATION: RESEARCH/EDUCATIONAL**

**National**

2017 *American Hospital Association Opioid Advisory Council,* American Hospital Association

2016 *PAINS Project: No Longer Silent Meeting*, Center for Practical Bioethics

2016 *Coalition to Optimize the Management of Pain Associated with Surgery (COMPAS) Advisory Board*, Educational Alliances in Clinical Medicine

2015 *Opioid Awareness Steering Committee,* Virtuoso Healthcare Communications

2010-2011 *Advances in Opioid Addiction Management: Maximizing Outcomes and Minimizing Risk,* CE Solution

2007-2010 *Emerging Solutions in Pain,* MediCom Worldwide, Inc.

2008-2010 *Web Based Training (in Addiction Medicine) for Pain Management Provider,* NIDA Contract No. HHSN271200800012C

2006-2008 *Balanced Pain Policy Initiative*, Center for Practical Bioethics

2003-2005 *Screening for Addiction Risk in Chronic Opioid Therapy,* Inflexxion, NIDA 1R43DA015617-01A1

2003-2005 L*ast Acts: A National coalition to Improve Care and Caring near the End of Life,*

 National Program Office Partnership for Caring, Inc.

2002-2005 *First Draft,* National Institute of Drug Abuse and the Robert Wood Johnson Foundation, The Entertainment Industries Council, Inc.

1990 *A Challenge to Care,* VIDA Health Communications

**Regional**

2019-2020 Development of Dorsata Penn Pathways on Management of Acute Pain in Patients on Buprenorphine, Hospital of the University of Pennsylvania, <https://pathways.dorsata.com/client?user_email=penn@dorsata.com&user_token=bLzfJoeW-qzixnrch9bk#/pathways/2894/view?origin=content_collection>

**RECENT LECTURES BY INVITATION, SPEECHES AND WORKSHOPS** [past five years, \* indicate data based]

**International**

*Pain, addiction and the US opioid crisis: Exemplar nursing science,* Special Session, Sigma Theta Tau International, 31st International Nursing Research Congress, Abu Dhabi, United Arab Emirates, July 2020. (virtual)

*Nursing Education in the Midst of the Opioid Crisis,* International Nursing Society on Addictions, Baltimore MD, October 2019.

*Pain, Opioids and Addiction: Exemplar Nursing Science*, School of Nursing and Health Sciences, University of Dundee, Dundee, Scotland, September 2019.

*Opioid induced hyperalgesia and Opioid Use Disorders: The Science and the Myths*, Drugs Research Network Scotland, University of Stirling, Stirling, Scotland, September 2019.

*Addiction: A Wounding of the Brain,* United Nations NGO Health Committee Annual Meeting, New York NY, June 2018.

*Neurobiology of Pain and Addiction,* World Institute of Pain,Topical Session, Dublin, Ireland, May 2018.

*\*Chronic Pain and Addiction: Opioids and Beyond,* College on the Problems of Drug Dependence, Montreal, Canada, June 2017

**National**

*Opioid-induced hyperalgesia:  Is it Clinically relevant?,* 2020 Pain and Opioid Seminar, Inova Center for Personalized Health, Fairfax, VA, May 2020 (cancelled due to COVID-19)

*Serving the Underserved in the Midst of the Opioid Crisis*, **Keynote Address**, Ohio University School of Nursing Research and Evidence-based Practice Conference, Athens, Ohio, May 2020 (cancelled due to COVID-19)

*Pain, Opioids and Addiction: Exemplar Nursing Science*, 8th Annual Transforming Research into Practice (TRIP) Conference, Our Lady of Lourdes Regional Medical Center, Lafayette, LA, November 2019.

*Opioid Abuse and Misuse in Patients with Chronic Pain,* Building Bridges: Implementing Healthcare Solutions to Prevent Opioid Addiction and Chronic Pain in Connecticut, University of Bridgeport, Bridgeport, CT, October 2019.

*Addiction, Pain and the Opioid Crisis: Exemplar Nursing Science*, **Keynote Address**, Midwest Nursing Research Society, Kansas City MO, March 2019.

*How to win America’s fight against the Opioid Epidemic,* National Leadership Retreat, Scholars Strategy Network, Washington DC, January 2019.

***The Jean Guveyan Lecture****: Nursing Education in the Midst of the Opioid Crisis,* American Society of Pain Management Nursing National Conference, Bonita Springs FL, Sept 2018.

*Managing Pain in the Patient with a Substance Use Disorder*, Hope Counseling Services, Hope Center Covenant Church, Pleasant Hill CA, Sept 2018.

*Medication Assisted Therapy in Patients with Pain and Opioid Use Disorders*, Hope Counseling Services, Hope Center Covenant Church, Pleasant Hill CA, Sept 2018.

*Addiction, Opioids and Pain:  Exemplar Nursing Science*, Biology and Behavior Across Life Span Research Center Research Lecture, University of Maryland School of Nursing, Baltimore MD, March 2018.

*Chronic Pain Management and Addiction,* Behavioral Pharmacology Research Unit Research Seminar, Johns Hopkins School of Medicine, Baltimore MD, February 2018.

*Opioids, Chronic Pain and Addiction,* Navy Marine Corps Relief Society of Visiting Nurses, Arlington VA, January 2018.

*Opioid Addiction and Patients with Pain,* Congressional Briefing of PA University Delegation, US Capitol, Washington DC, November 2017.

*Addiction: A Disease of Spiritual Suffering,* 8th Annual McGinley-Rice Symposium **Keynote Address**, Duquesne University, Pittsburgh PA, October 2017.

*Complex Pain Management with Addiction,* 12th Annual NIH Pain Consortium, Bethesda MD, May 2017.

*Chronic Pain, Prescription Opioids and Addiction,* Quincy University Pursuit of Learning in Society Lecture Series, Quincy IL, April 2017.

*Pain Management and the Opioid Crisis*, Sigma Theta Tau Pi Chapter, Blessing-Rieman College of Nursing and Health Sciences, Quincy IL, April 2017.

*Addiction, Opioids and Pain: Research on Nursing Phenomena,* 7th Annual Suzanne H. Brouse **Keynote Lecture**, Dean’s Research Day, University of Michigan School of Nursing, Ann Arbor, MI, April 2017*.*

*Translational Research in Opioid Use Disorder and Chronic Pain,* University of Buffalo Center for Translational Science Institute (CTSI), Buffalo, NY, March 2017

*Addiction, Opioids and Pain: Exemplar Nursing Science*, 20th Annual Bonnie Bullough **Keynote Lecture**, University of Buffalo School of Nursing, Buffalo, NY, March 2017

*Opioid Abuse, Misuse and Chronic Pain,* National Association of Attorney Generals Training and Research Institute, Arlington, VA, November 2016

*Treating Chronic Pain with Opioids: Where are we?* **Keynote Speaker,** International Nurses Society on Addiction (IntSNA) Annual Educational Conference, Las Vegas, NV, October 2016

*Updates on Treating Chronic Pain with Opioids: Future Directions,* Association of Managed Care Pharmacy (AMCP) Foundation 6th Annual Research Symposium, Baltimore, MD, October2016

*Chasing the Dragon: The Life of an Opiate Addict*, Panel Member with Attorney General Loretta Lynch, FBI Director James Comey and acting head of the DEA Chuck Rosenberg, Georgetown University, Washington DC, September 2016, <https://www.georgetown.edu/news/justice-department-fbi-dea-heads-speak-at-opioid-addiction-event/>

*Opioid-induced Hyperalgesia: Is it Clinically Relevant?* Invited presentation to Director and Senior Staff, NIDA, Rockville, MD, July 2016

*Preventing Opioid Use and Abuse in High-risk Patients.* National Drug Abuse & Heroin Summit, Atlanta, GA, March 2016

*\*Evidence-Based Opioid Risk Management Practices and Use by Family Nurse Practitioners*, NIDA Blending Initiatives Expert Panel Meeting, Rockville, MD, February 2016

*Recommended Practices for Treating Patients with Chronic Pain in Opioid Treatment Programs,* Opiate Treatment Network, [National Association of State Alcohol](http://www.nasadad.org/) [and Drug Abuse Directors (NASADAD)](http://www.nasadad.org/), November 2015

*\*Hyperalgesia in Opioid Dependent Patients,* American Association for the Treatment of Opioid Dependence (AAOTD), Atlanta, Georgia, March 2015

**Regional**

*The Nurse as Researcher*, Women in STEM Event, Montgomery High School, NJ, June 2020. (virtual)

*Substance Use Disorders and Managing Pain in Patients with Addiction,* Nursing Grand Rounds, Hospital of the University of Pennsylvania, Philadelphia, PA, April 2020. (cancelled due to COVID-19)

*Chronic Pain: Living with It,* Senior Center at the Parkway Central Library, Philadelphia, PA, December 2019.

*The Opioid Crisis, the Baby and the Bathwater,* U Penn Alumni Event, Lehigh Valley, PA, October 2019.

*Connected Health to Decrease Opioid Use in Patients with Chronic Pain,* Penn-CMU Roybal Center Retreat, Hershey, PA, October 2019.

*Peri-operative opioids: Are we setting patients up for pain?* Research in Progress Lecture, Department of Anesthesiology, Perelman School of Medicine, Philadelphia, PA, February 2019.

Panelist, *Microscopic Scale of the Opioid Crisis*, MEDLIFE Penn Annual Conference, Philadelphia, PA, January 2018.

*The Opioid Crisis, the Baby and the Bathwater*, Beaumont at Bryn Mawr, Bryn Mawr, PA, October 2018.

*Crisis in Pain: Fighting the Opioid Epidemic. An Interprofessional Panel,* University of the Sciences, Philadelphia, PA, April 2018.

*Addictions and the Impact on Women, Children and Families,* T32 Research on Vulnerable Women, Children and Families, Training Grant Seminar, Philadelphia, PA, March 2018.

*Chronic Pain and the Opioid Crisis: Babies and Bathwater,* Student Healthcare Alliance at Penn (SHAPE), Philadelphia, PA, February 2018.

*The Opioid Epidemic: Caring for Vulnerable Populations,* Penn Medicine Nursing Research Conference 2017, Philadelphia PA, December 2017.

*Opioid Addiction: How does it Affect Pain Systems?* The Penn Neuroscience Public Lecture Series, Philadelphia PA, December 2017. <https://www.youtube.com/watch?v=wCq4bTzUFg8>

*The Opioid Crisis, the Baby and the Bathwater,* Trustees Council of Penn Women Educational Conference, Philadelphia PA, November 2017.

*Pain, Addiction and the Opioid Crisis,* 10th Annual Bayhealth Research Conference, Dover DE, September 2017.

*The Opioid Crisis: Epidemics of Pain and Addiction,*Rotary District 7620 Opioid Addiction Forum, Frederick MD, August 2017.

*Pain: What is it Good for?*  U Penn School of Nursing Alumni lecture, Philadelphia, PA, March 2017

*The Clinical Implications of Opioid-Induced Hyperalgesia (OIH)*, University of Pennsylvania Center for Studies of Addiction, Department of Psychiatry, Perelman School of Medicine, Philadelphia PA, March 2017.

*Opioid-induced Hyperalgesia: Clinical Outcomes.* Department of Psychiatry Grand Rounds, Medstar-Georgetown University Hospital, Washington DC, November 2016

*Pain Sensitivity in Opioid-dependent Patients,* The Kolmac School. Washington DC

September 2015

*Nursing in the 21st Century - The Role of Nursing in Modern Health Care.,* Georgetown University Mini-Medical School program. Washington DC, March 2015

**MEETING/CONFERENCE ORGANIZING ROLES**

2017 Co-chair, CPDD Symposium, *Pain and Addiction: Opioids and Beyond.*

2007-2010 Scientific Planning Committee, Int. Association for Pain & Chemical Dependency

2004-2005 Advisory Board, *7th International Conference on Pain and Chemical Dependency*

2003-2004 Advisory Board, *6th International Conference on Pain and Chemical Dependency*

**MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES**

2004-present American Academy of Nursing

2003-2009 International Association for Pain and Chemical Dependency

2001-present Association for Multidisciplinary Education and Research in Substance Use and Addiction

2000-present American Society of Pain Management Nurses

1999-present International Association for the Study of Pain

1998-2019 American Pain Society

 Member, Public Policy Committee (2006-2008)

1996-present College on Problems of Drug Dependence

1995-present International Nurses Society on Addictions

1996-1998 Member, Research Committee (1996-1998)

 Member, Awards Committee (1996-1998)

1983-present Sigma Theta Tau International

 Faculty advisor, Gamma Tau Chapter (1997-1999)

 Chair, Nominating Committee, Delta Mu Chapter (1989-1991)

1982-present American Nurses Association

**SELECTED PROFESSIONAL ACTIVITIES**

**International**

2006-2007 Grant Reviewer, *Singapore National Medical Research Council*

2005 Reviewer, *Pain Relief in Substance Abusers, Core Curriculum,* International Association for the Study of Pain

2002-2005 Member, *Taskforce on Treatment of Pain in the Addicted Patient,* International Nurses Society on Addictions

**National**

Grant Reviewer

2020-present Chair, [*Healthcare Delivery and Methodologies IRG*](http://cms.csr.nih.gov/PeerReviewMeetings/CSRIRGDescriptionNew/HDMIRG/)*[HDM],* Special Emphasis Panel/Scientific Review Group NRCS.  Study Section, Center for Scientific Review, National Institutes of Health (NIH).

2020 Grant Reviewer, Special Emphasis Panel/Scientific Review Group, *Health Services Organization and Delivery* Study Section, Center for Scientific Review, National Institutes of Health (NIH).

2019 Grant Reviewer, Subject Matter Expert, *NIH Director’s Early Independence Awards (DP5)*, Special Emphasis Panel/Scientific Review Group 2020/05 ZRG1 PSE-H (70). Study Section, Center for Scientific Review, National Institutes of Health (NIH).

2018-2020 Member, [*Healthcare Delivery and Methodologies IRG*](http://cms.csr.nih.gov/PeerReviewMeetings/CSRIRGDescriptionNew/HDMIRG/)*[HDM],* Special Emphasis Panel/Scientific Review Group NRCS.  Study Section, Center for Scientific Review, National Institutes of Health (NIH).

2018 Grant Reviewer, *Improving Health and Healthcare of the Elderly*, Special Emphasis Panel/Scientific Review Group 2019/01 ZAG1 ZIJ-4 (J2) NIA. Study Section, Center for Scientific Review, National Institutes of Health (NIH).

2018 Grant Reviewer, *Mechanisms, Models, Measurement, & Management in Pain Research,* Special Emphasis Panel/Scientific Review Group 2018/10 ZNR1 REV-T (36) NINR. Study Section, Center for Scientific Review, National Institutes of Health (NIH).

2017 Grant Reviewer, *[Healthcare Delivery and Methodologies IRG](http://cms.csr.nih.gov/PeerReviewMeetings/CSRIRGDescriptionNew/HDMIRG/%22%20%5Ct%20%22_blank) [HDM],* Special

Emphasis Panel/Scientific Review Group 2017/05 NRCS. Study Section, Center for Scientific Review, National Institutes of Health (NIH).

2015 Grant Reviewer, *Clinical Evaluation of Adjuncts to Opioid Therapies for the Treatment of Chronic Pain* Special Emphasis Panel/Scientific Review Group ZRG1 IFCN-N (50) R. Study Section, Center for Scientific Review, National Institutes of Health (NIH)

2014-2016 Member, *Risk, Prevention and Health Behavior IRG* Special Emphasis Panel/Scientific Review Group RPIA and ZRG1 RPIA-W (02)S Study Section, Center for Scientific Review, National Institutes of Health (NIH)

2014 Grant Reviewer, *Cooperative Agreement for a Provider’s Clinical Support System for the Appropriate Use of Opioids in the Treatment of Pain and Opioid–related Addiction* (RFA) No. TI-14-009, Substance Abuse and Mental Health Administration (SAMHSA)

2011 Grant Reviewer, *Special Emphasis Panel/Scientific Review Group Center for Scientific Review* (CSR) group: 2011/01 ZRG1 BST-Z(90) , National Institutes of Health (NIH)

Expert Testimony

2017 Expert Testimony, Briefing on Capitol Hill on the national opioid crisis, its effects on Pennsylvania communities, and what Pennsylvania universities are doing to combat the epidemic.

Expert Panels

2019 Member, Work Group on Co-occurring Chronic Pain and Substance Use Disorders, State-of-the-Art (SOTA) Opioid Conference, VA Health Services Research & Development.

2018 Panel Discussant, *Opioid Addiction through the Lens of Social Justice*, American Academy of Nursing “Transforming Health, Driving Policy” Conference.

2016 Consultant, Domains I, Feasibility, Pilot and Evaluation Studies, and Domain VI, Technical Assistance and Training. *Indefinite Delivery/Indefinite Quantity (IDIQ)*, Substance Abuse and Mental Health Services Administration (SAMHSA)

2016 Panel member, *Operation Prevention: The Science Behind Opioid Addiction* Virtual Field Trip, Drug Enforcement Agency and the Discovery Channel, McLean VA, <https://www.washingtonpost.com/local/education/aiming-to-curb-drug-abuse-new-program-will-teach-teens-the-science-of-addiction/2016/10/25/066df514-9acd-11e6-b3c9-f662adaa0048_story.html>

2016 Expert Panel member, C*hasing*the Dragon: The Life of an Opiate Addict”, Documentary screening with **Attorney General Loretta Lynch, FBI Director James Comey** and**DEA Acting Administrator Chuck Rosenberg, Washington, DC**

2016 Expert Panel Member, *Evidence-Based Opioid Risk Management Practices and Use by Family Nurse Practitioners,* NIDA Blending Initiatives Expert Panel Meeting, Rockville, MD

2013 Panel Member, *Opioid Conversion Workshop,* Food and Drug Agency (FDA)

2010-2012 Contributor, *ASPMN Position Statement, Pain Management in Patients with Addictive Disease,* American Society of Pain Management Nurses (ASPMN)

2010-2012 Consensus Panel Member, *Managing chronic Pain in Adults with on in Recovery from Substance Use Disorder,* Substance Abuse and Mental Health Administration (SAMHSA)

2010 Panel Member, *Methadone Safety Guidelines,* American Pain Society and College of Problems of Drug Dependence (CPDD)

2009 Member, *Expert Panel on Teen Prescription Drug Abuse, KDH* Research & Communications

2007-2010 Consensus Panel Member, *Management of Chronic Pain in People with Substance Abuse Disorder,* Substance Abuse and Mental Health Services Center for Substance Abuse Treatment (SAMHSA)

2007-2008 Member, Taskforce on Pain in the Emergency Department, American Society for Pain Management Nursing and the Emergency Nurses Association

2004 Expert Reviewer, *Prescription Pain Medications: Frequently Asked Questions and Answers for Health Care Professionals and Law Enforcement Personnel*, Drug Enforcement Agency (DEA), US Department of Justice

2001-2003 Member, *Taskforce on Prescription Opioid Abuse,* College on Problems of Drug Dependence (CPDD)

Editorial Positions

2005-present Editorial Board, *Journal of Addictions Nursing*

2014-2019 Co-editor, Pain and Addiction section, *Journal of Pain & Palliative Care Pharmacotherapy*

2011 Guest Editor, Special Issue: Prescription Drug Abuse*, Journal of Addictions Nursing*

2000-2015 Editorial Board, *The Journal of Pain*

1999-2005 Editorial Board*, Journal of Pain and Symptom Management*

Editorial Review Boards

2020-present *Heart & Lung*

2019-present *Nursing Outlook*

2019-present *Psychopharmacology*

2018-present *American Journal of Drug and Alcohol Abuse*

2018-present *Journal of Nursing Regulation*

2018-present *Journal of Doctoral Nursing Practice*

2018-present *Journal of General Internal Medicine*

2017-present *Military Medicine*

2017-present *American Journal on Addictions*

2015-present *Substance Use and Misuse*

2015-present *Postgraduate Medical Journal*

2015-present *The Journal of Pain\*\*\*,\*\*\*\**

2011-present *PostGraduate Medicine*

2010-present *Drug and Alcohol Review*

2009-present *Pharmacoepidemiology and Drug Safety\**

2008-present *Pain Medicine*

2006-present *Nature Clinical Practice Neurology*

2005-present *Archives of General Psychiatry*

2004-present *PAIN*

2002-present *Biological Research for Nursing*

2001-present *Nursing Research\**

2000-present *Issues in Mental Health Nursing*

2000-present *Drug and Alcohol Dependence\*\*, \*\*\*\*\*,\*\*\*\*\*\**

1999-present *Journal of Pain and Symptom Management*

1998-present *Journal of Addictions Nursing*

1998-present A*merican Journal of Critical Care*

1998-present *Research in Nursing and Health*

1998-present *Nursing*

Recognized for outstanding reviewer services 2009\*; 2010\*\*; 2015\*\*\*, 2016\*\*\*\*, 2017\*\*\*\*\*, 2019\*\*\*\*\*\*

**Regional**

2018 Moderator, *Screening and Panel Discussions of Showtime’s The Trade*, University of Pennsylvania School of Nursing, Philadelphia, PA

2012-2016 Member, Committee on Impaired Nurses (COIN), District of Columbia Board of Nursing

2003-2005 Member, Diversion Program Pain Management Task Force, California Board of Registered Nursing

2003-2005 Research Abstract Reviewer, Nursing Odyssey, Joint Southern California Chapters Conference, Sigma Theta Tau

1996-1997 Member, Admissions Committee, UCLA Drug Abuse Research Center Pre- and Post-doctoral Training Program

1995-1997 IRB Member, Southern California Research Institute

1993-1997 Member, Council of Nurse Researchers, California Nurses Association

1987-1990 Delegate; Newsletter Editor, District IV Board of Directors, Connecticut Nurses Association

**SERVICE ACTIVITIES AT UNIVERSITY OF PENNSYLVANIA**

**Proposal or Dissertation Reader**

Spring 2020 Proposal, Joshua Porat-Dahlerbruch, Association of BSN Articulation with Surgical Patient and Nurse Outcomes: A Cross-Sectional Study

Spring 2020 Dissertation, Fanghong Dong, The Effect of Traumatic Stressful Events on Schizotypal Symptoms in Community-Based Us Adolescents

Spring 2020 Proposal, Michael Stawnychy, Autonomy Support, Relationship Characteristics, and Self-Care in Adults with Chronic Illness

Fall 2019 Proposal, Fanghong Dong, The Effect of Traumatic Stressful Events on Schizotypal Symptoms in Community-based US Adolescents

Spring 2019 Proposal, Billy Rosa, Patients’ Beliefs about Cancer Pain Treatment and Actual Analgesic Taking Behaviors

Spring 2018 Proposal, Lori Ann Winner, The Impact of Opt-Out Designation on Anesthesia Services in California

Spring 2018 Dissertation, Nicholas Giordano, From the Frontline to the Community: The Use of Regional Anesthesia after Combat Injury and Associated Pain Outcomes

**School of Nursing Committees and Service**

2020 Faculty Facilitator, F31 Bootcamp

2020 Member, Hillman Scholars Interview Team

2019-2020 Member, PhD Admissions Committee

2019 Co-chair, Research and Innovation Work Group for Strategic Plan

2019-2020 Chair, Research Committee

2018-2019 Member, PhD Summit Taskforce

2018-2019 Chair, Search Committee for Practice Professor in Statistics

2018-present Member, then Chair, PhD Curriculum Committee

2018 Member, Research Committee

2017-2018 Member, PhD Admissions Committee

**Medical Center and University Service**

2019-present Member, Penn Medicine Center for Addiction Medicine and Policy Advisory Board

2019-present Member, Penn Medicine Chronic Opioid Management Taskforce

2019-2020 Member, Penn Medicine system-wide pathway working group for pain management in patients with opioid use disorder

2018 Member, University Research Foundation Biomed Review Panel

**DOCTORAL DISSERTATION COMMITTEES AND POST DOCS MENTORED**

2020-present Member, Olivia Arnold, Investigating the Associations among Lead Exposure, Social Risk Factors and Neurocognitive Outcomes, University of Pennsylvania

2019-present Mentor, Ashley Ritter, Effect of setting on post-acute care outcomes for older Veterans with opioid use disorder, University of Pennsylvania National Clinician Scholars Program

2019-present Member, Bruno Saconi, The Influence of Sleep Disturbances and Sleep Disorders on Pain Outcomes Among Veterans, University of Pennsylvania

2019-present Member, Sydney Axson, Opioid Prescribing to Adolescents, University of Pennsylvania

2019-present Member, Eileen Marie Kane, Substance Use Disorder: Experiences of Affected Family Members Social Support, University of Wisconsin-Milwaukee

2018-present Member, Eileen Regan, Injury experience and misuse of prescription opioids in adolescent and young adult athletes, University of Pennsylvania

2017-2019 Member, Shoshana Aronowitz, Factors Influencing Pain Treatment in Injured Black Men, University of Pennsylvania

2017-2019 Co-chair, Kara Pavone, Effect of a Nurse-led Intervention, Pain and Pain Management on Severity of Delirium in Older Patients in the ICU, University of Pennsylvania (Hillman Scholar)

2014-2016 Chair, Catherine Horvath, Implementation of a New Method to Track Propofol in an Endoscopy Unit, Georgetown University

2007-2012 Chair, then member, Julia Lassagard, Extracranial Events Contribute to Acute Headache following Endoscopic Foreheadplasty Surgery Similar to Migraine

2009-2011 Member, Norma McNair, Baroflex sensitivity during positional changes in patients with traumatic brain injury

2008-2010 Member, Heather (Wilson) Hamza, Precipitated withdrawal in CRNA’s returning to work after substance abuse treatment

2006-2010 Chair, Dawn Matherne-Meyers, [Loading of aspirin and clopidogrel: Effects of sex and dose on stroke outcome in the rabbit small artery clot embolic model](http://www.ncbi.nlm.nih.gov/pubmed/18190818?ordinalpos=77&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DefaultReportPanel.Pubmed_RVDocSum)

 \*NRSA recipient (F31 NR013740, Clopidogrel loading to treat ischemic stroke. Effect of dose and sex).

2006-2009 Chair, Mary Baron Nelson, Neuronal Damage, Neurocognitive Losses and Quality of Life Following Chemotherapy in Children with Brain Tumors

\* NRSA recipient (F31 NR011560, Diffusion tissue Imaging to define CNS injury in children with brain tumors).

2002-2007 Member, Stacy Serber, Cerebral blood flow, grey matter volumes and autonomic Nervous system function in heart failure

2001-2005 Chair, Charles Griffis, The effect of Pain on Proinflammatory Cytokines and Leukocyte Cellular Adhesion Molecules

1998-2001 Member, Aaron Strehlow, The presence of rhinitis and rhinorrhea in homeless crack cocaine smokers

**TEACHING ACTIVITIES AT UNIVERSITY OF PENNSYLVANIA**

Fall 2017 Nursing 637. Introduction to Research Methods and Design (enrollment 24)

Fall 2018 Nursing 101. The Nature of Nursing Practice (seminar leader, enrollment 21)

Fall 2018 Nursing 306. Opioids: From Receptors to Epidemic (enrollment 7)

Spring 2019 Nursing 754. Quantitative Research Designs and Methods (enrollment 13)

Fall 2019 Nursing 306. Opioids: From Receptors to Epidemic (enrollment 9)

Fall 2019 Nursing 389. Research/Inquiry-Based Service Residency (enrollment 92)

Spring 2020 Nursing 754. Quantitative Research Designs and Methods (enrollment 11)

Spring 2020 Nursing 389. Research/Inquiry-Based Service Residency (enrollment 97)

**Independent Studies and Residencies**

Fall 2017 Nursing 900. PhD student, Shoshana Aronowitz

Fall 2017 Nursing 900. PhD student, Kara Pavone

Spring 2018 Nursing 890. Teaching Residency, Shoshana Aronowitz

Fall 2018 Nursing 900. MSN student, Shane Cooper

Fall 2019 Nursing 890. Teaching Residency, Olivia Arnold

Spring 2020 Nursing 900. PhD student, Charisse Ahmed

**Guest lectures**

Spring 2017 Nursing 621. Chronic Pain Management with Opioids: The 2016 CDC Guidelines

Fall 2017 Nursing 656. Opioids and Pain Management

Fall 2017 Nursing 580. Chronic Pain Management with Opioids: The 2016 CDC Guidelines

Spring 2018 Nursing 636. Strategies for Dealing with Opioid Abuse and Addiction:
A Focus on Research

Spring 2018 Nursing 829. Measuring Pain in Humans

Summer 2018 Nursing 159. Opioids: A Program of Nursing Research based on Drugs

Summer 2018 Nursing 637. Anti-inflammatory Effects Pain and Opioids: A Nursing Research Exemplar

Summer 2018 Theo-humanism: The MOOC. Pain and the Opioid Crisis

Fall 2018 Nursing 656. Pain, Addiction and the Opioid Crisis: Implications for Primary Care

Fall 2018 Nursing 103. Public Health Responses to the Opioid Crisis: The Role of Nurses.

Spring 2019 Nursing 636. Pain Research in Action: Effects of Acute Pain and Opioid Administration on Inflammatory Systems

Summer 2019 Nursing 159. Addiction, Pain and the Opioid Crisis: A Program of Nursing Research

Fall 2019 Nursing 656. Opioid Crisis: Guidelines and Policy

Fall 2019 Nursing 103. Public Health Responses to the Opioid Crisis: The Role of Nurses.

Spring 2020 Nursing 636. Pain Research in Action: Effects of Acute Pain and Opioid Administration on Inflammatory Systems

Summer 2020 Nursing 159. Addiction, Pain and the Opioid Crisis: A Program of Nursing Research