

## Curriculum Vitae

**Name:** Kara J. Pavone  
**Office Address:** School of Nursing  
 Bouvé College of Health Science, Northeastern University  
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**Work Email:** k.pavone@northeastern.edu  
**Place of Birth:** Albany, New York

### **EDUCATION AND EMPLOYMENT HISTORY**

#### **Education**

2019	Doctor of Philosophy	Nursing Science	University of Pennsylvania
2018	Master of Science	Nursing Science	University of Pennsylvania
2016	Bachelor of Science (Magna Cum Laude)	Nursing Science	University of Pennsylvania
2009	Bachelor of Science	Behavioral Neuroscience	Northeastern University

#### **Faculty Academic Appointments**

2020 - Present	Faculty Nurse Scientist	Massachusetts General Hospital Yvonne L. Munn Center for Nursing Research
2020 - Present	Faculty Scholar	Institute for Health Equity and Social Justice Research Bouvé College of Health Science, Northeastern University
2019 - Present	Assistant Professor	School of Nursing Bouvé College of Health Science, Northeastern University

#### **Research and Clinical Affiliations**

2017 - 2020	<b>Clinical Research Program/Project Manager</b> Department of Anesthesia, Critical Care and Pain Medicine Massachusetts General Hospital, Boston MA
2015 - 2017	<b>Senior Clinical Research Coordinator (Promoted to:)</b>
2012 - 2015	<b>Clinical Research Coordinator II (Promoted to:)</b>
2011 - 2012	<b>Clinical Research Assistant II (Promoted to:)</b>
2011 - 2020	<b>Research Affiliate</b> Neuroscience Statistics Research Laboratory Massachusetts Institute of Technology, Cambridge MA
2012 - 2015	<b>Clinical Research Coordinator II</b> (8 hours per week) Depression Clinical and Research Program Department Psychiatry Massachusetts General Hospital, Boston MA
2016	<b>Student Nurse</b> Hospital of the University of Pennsylvania, Philadelphia, PA Surgical Intensive Care Unit

#### **Licensure and Board Certification:**

2017 -	Registered Nurse: Massachusetts State Board of Nursing
2016 -	American Heart Association: Basic Life Support, Healthcare Provider

## **Awards and Honors**

- 2019 The Dorothy Mereness Award, University of Pennsylvania School of Nursing for exceptional ability in scholarly writing.
- 2018 Sigma Theta Tau International Honor Society of Nursing
- 2015 Hillman Scholar in Nursing Innovation. Each year 6 scholars are selected for this highly competitive program. Scholars receive up to \$75,000 to help fund their studies.

## **RESEARCH AND SCHOLARSHIP**

### **Research Funding**

#### **Current**

COVID-19 Crisis Seed Funding 2020 to 2021  
Northeastern University

#### **Mental Health Outcomes Among US Healthcare Workers Exposed to COVID-19**

This work aims to characterize the mental and emotional distress among frontline healthcare workers caring for patients with COVID-19

Role: PI \$16,000

Advancing Early Research Opportunities (AERO) Alumni Fellowship 2020 to 2021  
Hillman Scholars Program in Nursing Innovation

#### **Evaluating Pain Assessment and Management in Critical Care Nurses**

This work will assess critical care nurses' knowledge of pain assessment and pain management in critically ill, older adults.

Role: PI \$5,000

Advancing Health Equity Pilot Project Awards 2020 to 2021  
Northeastern University Institute for Health Equity and Social Justice

#### **Pain-Related Disparities Among Patients with Substance Use Disorder**

This work will assess critical care nurses' knowledge of pain assessment and pain management in older adults with substance use disorder.

Role: PI \$3,000

Sigma Gamma Epsilon 2020 to 2021  
Sigma Theta Tau International Honor Society of Nursing

#### **Improving Critical Care Pain Management: Evaluating Nurses Knowledge, Attitudes and Self-Efficacy**

This work will explore the association between knowledge, attitudes and self-efficacy in pain management among critical care nurses.

Role: PI \$2,775

#### **Completed**

School of Nursing Research Council Pilot Awards 2018 to 2019  
University of Pennsylvania

#### **Postsurgical ICU Delirium in Older Adults**

This work is expected to determine if early identification and prevention strategies relates to fewer days with delirium and better delirium-related patient outcomes in older adults.

Role: PI \$3,500

Advancing Early Research Opportunity (AERO) Fellowship 2018 to 2019  
Hillman Scholars Program in Nursing Innovation

#### **Postsurgical ICU Delirium in Older Adults**

This work is expected to examine the relative roles of pain and opioids on duration of delirium.

Role: PI \$5,000

## Report of Scholarship

<https://www.ncbi.nlm.nih.gov/myncbi/kara.pavone.1/bibliography/public/>

### Original Research Investigations

\*Mentored student

24. **Pavone KJ**, \*Rago C, Compton P. Evaluating the use of opioids in the development of postoperative delirium: An integrative review. (In Preparation).
23. \*Taylor E and **Pavone KJ**. COVID-19 and Mental Health Outcomes Among Healthcare Workers: A Rapid Review. (In Preparation).
22. **Pavone KJ** and van Pelt M. Evaluating Psychological Distress Among Healthcare Providers in the United States Exposed to COVID-19. (In Preparation).
21. **Pavone KJ**, Jablonski J, Cacchione PZ, Polomano RC, Compton P. Evaluating the relationships among pain, opioid analgesic administration and the onset of delirium in older adults in the surgical intensive care unit. *Clinical Nursing Research*. (Accepted).
20. **Pavone KJ**, Jablonski J, Junker P, Cacchione PZ, Compton P, Polomano RC. Evaluating delirium outcomes among older adults in the surgical intensive care unit. *Heart & Lung*. 2020 Sept;49:578-84; doi: 10.1016/j.hrtlng.2020.04.009. PMID: 32434699
19. Ionescu DF, Bentley KH, Eikermann M, Taylor N, Johnson-Akeju O, Swee MB, **Pavone KJ**, Petrie SR, Dording C, Mischoulon D, Alpert JE, Brown EN, Baer L, Nock MK, Fava M, Cusin C. Repeat-dose ketamine augmentation for treatment-resistant depression with chronic suicidal ideation: A randomized, double blind, placebo-controlled trial. *J Affect Disord*. Jan 15 2019; 243:516-524. doi: 10.1016/j.jad.2018.09.037. PMID: 30286416
18. **Pavone KJ**, Cacchione PZ, Polomano RC, Winner L, Compton P. Evaluating the use of dexmedetomidine for the reduction of delirium: An integrative review. *Heart & Lung*. 2018 Sep 25. doi:10.1016/j.hrtlng.2018.08.007. PMID: 30266265
17. Shelton KT, Qu J, Brown EN, Burns S, Cudemus G, Deng H, Demircioglu G, DiBiasio A, Hahm YH, Hobbs LE, Houle TT, Ibalá R, Loggia M, **Pavone KJ**, Shaefi S, Westover MB, Akeju O. Minimizing ICU Neurological Dysfunction with Dexmedetomidine-induced Sleep (MINDDDS): A Randomized, Double-blind, Parallel-arm, Placebo-controlled Trial. *BMJ Open* 2018;8:e020316. doi: 10.1136/bmjopen-2017-020316. PMID: 29678977
16. Akeju O, Hobbs L, Burns S, **Pavone KJ**, Plummer GC, Walsh EC, Houle TT, Bianchi M, Ellenbogen JM, Brown EN. A single nighttime dexmedetomidine bolus promotes N3 sleep and preserves next day psychomotor performance: A pilot study. *Clinical Neurophysiology*. 2017 Oct 20;129(1):69-78. doi: 10.1016/j.clinph.2017.10.005. PMID: 29154132.
15. **Pavone KJ\***, Su L\*, Gao L, Eromo E, Vazquez R, Rhee J, Hobbs LE, Ibalá R, Demircioglu G, Purdon P, Brown EN, Akeju O. Lack of responsiveness during the onset and offset of sevoflurane anesthesia is associated with loss of the awake-alpha oscillation. *Frontiers in Systems Neuroscience*. 2017 May 30;11:38. doi: 10.3389/fnsys.2017.00038. PMID: 28611601.
14. Lee JM, Akeju O, Terzakis K, **Pavone KJ**, Deng H, Houle T, Firth PG, Shank ES, Brown EN, Purdon PL. A Prospective Study of Age-dependent Changes in Propofol-induced Electroencephalogram Oscillations in Children. *Anesthesiology*. 2017. Vol.127, 293-306. doi:10.1097/ALN.0000000000001717. PMID: 28657957
13. Cusin C\*, Ionescu DF\*, **Pavone KJ**, Akeju O, Cassano P, Taylor NE, Eikermann MD, Durham K, Swee MB, Chang T, Dording C, Soskin D, Kelley J, Mischoulon D, Brown EN, Fava M. Ketamine augmentation for outpatients with treatment-resistant depression: Preliminary evidence for two-step intravenous dose escalation. *Aust N Z J Psychiatry*. 2017, Vol. 51(1) 55–64. PMID:26893373

12. Akeju O\*, Kim SE\*, Vazquez R, Rhee J, **Pavone KJ**, Hobbs, L, Purdon PL, Brown EN. Spatiotemporal Dynamics of Dexmedetomidine-induced Electroencephalogram Oscillations. *PLoS One*. 2016 Oct 6. PMID: 27711165
11. Akeju O, Hamilos A, Song A, **Pavone KJ**, Purdon PL, Brown EN. GABA<sub>A</sub> circuit mechanisms are associated with ether anesthesia-induced unconsciousness. *Clinical Neurophysiology*. 2016 Jun;127(6):2472-81. doi: 10.1016/j.clinph.2016.02.012. PMID: 27178867
10. Akeju O, Song A, Hamilos A, **Pavone KJ**, Flores F, Brown EN, Purdon PL. Electroencephalogram signatures of ketamine anesthesia-induced unconsciousness. *Clinical Neurophysiology*. 2016 Jun;127(6):2414-22. doi: 10.1016/j.clinph.2016.03.005. PMID: 27178861
9. Ionescu DF, Swee MB, **Pavone KJ**, Taylor N, Akeju O, Baer L, Nyer M, Cassano P, Mischoulon D, Alpert J, Brown EN, Nock MK, Fava M, Cusin C. Rapid and Sustained Reductions in Chronic Suicidal Ideation Following Repeated Doses of Intravenous Ketamine: Secondday Analysis of an Open-Label Study. *The Journal of Clinical Psychiatry*. 2016 Jun;77(6):e719-25. doi: 10.4088/JCP.15m10056. PMID: 27232360
8. **Pavone KJ**, Akeju O, Sampson A, Ling K, Purdon PL, Brown EN. Nitrous oxide-induced slow and delta oscillations. *Clin Neurophysiol*. 2016 Jan; 127(1), 556-564. doi:10.1016/j.clinph.2015.06.001 PMID:26118489
7. Purdon PL, Sampson A, **Pavone KJ**, Brown EN. Clinical Electroencephalography for the Anesthesiologist. Part 1: Background and Basic Signatures. *Anesthesiology* 2015 Oct;123(4):937-60. PMID: 26275092.
6. Purdon PL, **Pavone KJ**, Akeju O, Smith AC, Sampson A, Lee JM, Zhou D, Solt K, Brown EN. The aging brain: Age-dependent changes in the electroencephalogram during propofol and sevoflurane general anesthesia. *British Journal of Anesthesia*. 2015 Jul; 115 Suppl 1: i46-i57 PMID: 26174300.
5. Akeju O, **Pavone KJ**, Thum J, Firth P, Westover MB, Puglia M, Shank ES, Brown EN and Purdon PL. Age-dependency of sevoflurane-induced electroencephalogram dynamics in children. *British Journal of Anesthesia*. 2015 Jul; 115 Suppl 1: i66-i76. PMID: 26174303.
4. Akeju O\*, Loggia ML\*, Catan C, **Pavone KJ**, Vazquez R, Rhee J, Contreras-Ramirez V, Chonde DB, Izquierdo-Garcia D, Arabasz G, Hsu S, Habeeb K, Hooker JM, Napadow V, Brown EN, Purdon PL. Disruption of thalamic functional connectivity is a neural correlate of dexmedetomidine-induced unconsciousness. *eLife* 2014 Nov;10.7554/eLife.04499. doi: 10.7554/eLife.04499. PMID: 25432022.
3. Valenza G, Akeju O, **Pavone KJ**, Citi L, Hartnack KE, Sampson A, Purdon PL, Brown EN, Barbieri R. Instantaneous monitoring of heartbeat dynamics during anesthesia and sedation. *Journal of Computational Surgery*. 2014 Nov; doi:10.1186/s40244-014-0013-2
2. Akeju O, Westover MB, **Pavone KJ**, Sampson A, Hartnack KE, Brown EN, Purdon PL. Effects of sevoflurane and propofol on frontal electroencephalogram power and coherence. *Anesthesiology*. 2014 Nov;121(5):990-998. PMID: 25187999
1. Akeju O, **Pavone KJ**, Westover MB, Vazquez R, Prerau MJ, Harrell PG, Hartnack KE, Rhee J, Sampson AL, Habeeb K, Gao L, Pierce ET, Walsh JL, Brown EN, Purdon PL. A Comparison of propofol- and dexmedetomidine-induced electroencephalogram dynamics using spectral and coherence analysis. *Anesthesiology*. 2014 Nov;121(5):978-989. PMID: 25233374

## Reviews Articles

1. Brown EN, **Pavone KJ**, Naranjo M. Multimodal General Anesthesia: Theory and Practice. *Anesth Analg*. 2018. ePub Sept 24. doi: 10.1213/ane.0000000000003668. PMID: 30252709

## Book Chapters

1. Tkacs NC, **Pavone KJ**, Compton P. Chapter 15: Nervous System, in *Advanced Physiology and Pathophysiology: Essentials for Clinical Practice*. Eds. Nancy C Tkacs Linda L. Herrmann, Randall L. Johnson. New York: Springer Publishing Company, 2020.

## Thesis

1. **Pavone KJ**. Evaluating the effects of a nurse-led intervention for delirium and pain management among older adults in the surgical intensive care unit. (2019)

## Presentations

### Refereed Original Research Conference Presentations

#### *International*

1. **Pavone KJ**, Akeju O, Sampson A, Ling K, Purdon PL, Brown EN. Nitrous oxide-induced slow and delta oscillations. *International Anesthesia Research Society Annual Meeting*. Montreal, Canada. May 17-20 2014.

#### *National*

25. Abel JH, Badgeley MA, Meschede-Krasa B, Schamberg G, Garwood IG, Lecamwasam K, Chakravarty S, Zhou D, Keating M, **Pavone KJ**, Purdon PL, and Brown EN. Machine learning predicts conscious state from EEG during propofol-induced anesthesia. *International Anesthesia Research Society Annual Meeting*. San Francisco, CA. May 15-18, 2020.
24. **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. *American Delirium Society Annual Meeting*. Boston, MA. June 16-18, 2019.
23. Chow ET, **Pavone KJ**, Eromo E, Vazquez R, Rhee J, Purdon PL, Hobbs LE, Brown EN, Akeju O. Neural correlates of sevoflurane-induced altered arousal states suggest a GABA<sub>A</sub> circuit mechanism of action. *American Society of Anesthesiologists Annual Meeting*. Boston, MA. October 21–25, 2017.
22. Gao L, Hobbs LE, **Pavone KJ**, Brown EN, and Akeju O. A nighttime dexmedetomidine bolus promotes N3 sleep: A pilot study. *Association of University Anesthesiologists Annual Meeting*. Washington, D.C. May 4-5, 2017.
21. Shao YR, **Pavone KJ**, Akeju O, Deng H, Houle T, Brown EN, Purdon PL. Towards neurophysiological biomarkers of brain vulnerability: Frontal alpha waves predict the propensity for intraoperative burst suppression. *Massachusetts General Hospital Clinical Research Day*. October 9th, 2016.
20. Shao YR, **Pavone KJ**, Akeju O, Brown EN, Purdon PL. Towards neurophysiological biomarkers of brain vulnerability: Frontal alpha waves predict the propensity for intraoperative burst suppression. *International Anesthesia Research Society Annual Meeting*. San Francisco, CA May 21-24, 2016.
19. Shao YR, **Pavone KJ**, Akeju O, Brown EN, Purdon PL. Characterizing the relationship between alpha oscillations and burst suppression during general anesthesia: Insights for neurophysiological biomarkers of brain vulnerability. *Harvard Medical School, Soma Weiss Research Day*. Boston, MA. January 12, 2016. Awarded the Judah Folkman Prize for Clinical/Translational Science Research.
18. Akeju O\*, Flores FJ\*, **Pavone KJ**, Wilson MA, Brown EN, Purdon PL. Evidence for slow oscillations and coherent theta and gamma oscillations during ketamine-induced altered arousal. *Society for Neuroscience Annual Meeting*. Chicago, IL. October 17-21, 2015.

17. Purdon PL, **Pavone KJ**, Akeju O, Smith A, Solt K, Brown EN. The elderly brain under anesthesia: An age-dependent analysis of propofol- and sevoflurane-induced electroencephalogram dynamics. *Association of University Anesthesiologists Annual Meeting*. Nashville, TN. April 23-25, 2015.
16. Purdon PL, **Pavone KJ**, Akeju O, Sampson A, Lee JM, Brown EN. The aging brain: An age-dependent analysis of electroencephalogram dynamics during propofol and sevoflurane general anesthesia. *International Anesthesia Research Society Annual Meeting*. Honolulu, HI. March 19-22, 2015. Awarded Best of Neuroscience by the Society for Neuroscience in Anesthesiology and Critical Care.
15. Lee JM\*, Terzakis K\*, **Pavone KJ**, Akeju O, Firth PG, Brown EN, Purdon PL. The pediatric brain: Age-dependent effects of propofol on frontal electroencephalogram power and coherence. *International Anesthesia Research Society Annual Meeting*. Honolulu, HI. March 19-22, 2015.
14. **Pavone KJ**, Akeju O, Purdon PL, Brown EN. Nitrous oxide-induced slow and delta oscillations. *Society for Neuroscience Annual Meeting*. Washington, DC. November 15-19, 2014.
13. Loh KH, **Pavone KJ**, Garcia PS, Purdon PL, Brown EN. Neurological changes during induction and emergence from general anesthesia. *American Society of Anesthesiologists Annual Meeting*. New Orleans, LA. October 11–15, 2014.
12. Akeju O, **Pavone KJ**, Westover MB, Vazquez R, Rhee J, Harrell PG, Hartnack K, Brown EN, Purdon PL. A comparison of propofol- and dexmedetomidine-induced electroencephalogram dynamics using spectral and coherence analysis. *American Society of Anesthesiologists Annual Meeting*. New Orleans, LA. October 11–15, 2014.
11. Swee MB, Ionescu DF, **Pavone KJ**, Cusin C. Repeated, escalating doses of intravenous ketamine correlate with decreases in suicidal ideation and intensity in patients with treatment resistant depression at serious risk for suicide. *Massachusetts General Hospital Clinical Research Day*. October 9th, 2014.
10. Akeju O, Loggia M, **Pavone KJ**, Catana C, Vazquez R, Chonde D, Arabasz G, Hsu S, Rhee J, Habeeb K, Hooker J, Napadow V, Brown EN, Purdon PL. Functional connectivity of the thalamus to the cortical default mode network is a fundamental neural correlate of consciousness. *Massachusetts General Hospital Clinical Research Day*. October 9th, 2014. Awarded Best Faculty Abstract.
9. Loh KH, **Pavone KJ**, Garcia PS, Purdon PL, Brown EN. Neurological changes during induction and emergence from general anesthesia. *Massachusetts General Hospital Clinical Research Day*. October 9th, 2014.
8. Lee JM\*, Terzakis K\*, **Pavone KJ**, Akeju O, Firth PG, Brown EN, Purdon PL. Age-dependent effects of propofol on frontal electroencephalogram power and coherence. *Massachusetts General Hospital Clinical Research Day*. October 9th, 2014. Awarded Best Student Abstract by the Department of Anesthesia, Critical Care and Pain Medicine.
7. Cusin C, **Pavone KJ**, Durham KE, Chang T, Cassano P, Dording C, Mischoulon D, Fava M. Effectiveness and safety of flexible-dose repeated intravenous ketamine infusions as adjunct in outpatients with severe treatment-resistant Major Depressive disorder (MDD) with suicidal ideation. *Massachusetts General Hospital, Scientific Advisory Committee Annual Meeting*. Boston, MA. April 2-3, 2014.
6. Akeju O, Loggia M, Chonde D, **Pavone KJ**, Vazquez R, Arabasz G, Hsu S, Izquierdo D, Habeeb K, McCarthy P, Rhee J, Napadow V, Catana C, Hooker J, Brown EN, Purdon PL. A combined FDG-PET and fMRI based investigation of brain arousal control. *Massachusetts General Hospital, Scientific Advisory Committee Annual Meeting*. Boston, MA. April 2-3, 2014.
5. Cusin C, Eikermann M, Zaremba S, Soskin D, **Pavone KJ**, Durham KE, Chang T, Cassano P, Dording C, Mischoulon D, Fava M. Open-label flexible dose repeated infusions of ketamine as augmentation in TRD: Preliminary investigation of EEG predictors or response and side effects. *American College of Neuropsychopharmacology Annual Meeting*. Hollywood, FL. Dec 8-12, 2013.

4. **Pavone KJ**, Akeju O, Kim J, Sampson AL, Brown EN, Barbieri R. Instantaneous monitoring of heart rate variability and respiratory sinus arrhythmia during dexmedetomidine anesthesia. *American Society of Anesthesiologists Annual Meeting*. San Francisco, CA. October 12–16, 2013.
3. Thum JA, Firth PG, Sampson AL, **Pavone KJ**, Brown EN, Purdon PL. EEG power differs by orders of magnitude between children and young adults under sevoflurane general anesthesia. *Massachusetts General Hospital Clinical Research Day*. October 4<sup>th</sup>, 2013.
2. Akeju O, **Pavone KJ**, Sampson AL, Vazquez R, Brown EN, Purdon PL. Spectral and coherence analysis of propofol and dexmedetomidine induced electroencephalogram activity. *Massachusetts General Hospital Clinical Research Day*. October 4<sup>th</sup>, 2013.
1. Cusin C, Soskin D, **Pavone KJ**, Durham KE, Chang T, Cassano P, Dording C, Mischoulon D, Fava M. Open-label, flexible-dose repeated intravenous ketamine infusions as adjunct in outpatients with treatment resistant Major Depression with suicidal ideation. *American Society of Clinical Psychopharmacology Annual Meeting*, Hollywood, FL, May 28-31<sup>st</sup>, 2013.

### **Invited Lectures**

#### **National**

- 2019            Invited Lecture, Department of Anesthesia, University of Pennsylvania
- 2019            Invited Lecture, Northeastern University, School of Nursing

### **SERVICE AND PROFESSIONAL DEVELOPMENT**

#### **Editorial Activities**

- Heart & Lung*
- Pain Management Nursing*

#### **Committee Service**

##### **Northeastern University, School Of Nursing**

- 2019 -            Ph.D. Committee
- 2019 - 2020    Undergraduate Curriculum Committee

#### **Professional Societies**

- |             |   |        |
|-------------|---|--------|
| 2020 -      | American Association of Critical Care Nursing | Member |
| 2020 -      | Society for Critical Care Medicine            | Member |
| 2019 -      | American Delirium Society                     | Member |
| 2019 -      | Eastern Nursing Research Society              | Member |
| 2018 -      | Sigma Theta Tau National Honor Society        | Member |
| 2017 - 2019 | American Society for Pain Management Nursing  | Member |
| 2014 - 2017 | Society for Neuroscience                      | Member |
| 2014 - 2017 | International Anesthesia Research Society     | Member |

### **TEACHING AND ADVISING**

#### **Teaching of Students in Courses**

##### **Northeastern University – Graduate**

- |      |                |  |
|------|----------------|--|
| 2021 | Instructor     | NRSG 7105 Translating Research Evidence into Practice<br>(2 credit, required course)   |
| 2020 | Instructor     | NRSG 7110 Evidence-Based Practice Research Applications (2<br>credit, required course) |
| 2020 | Guest Lecturer | NRSG 7755 Intervention Research: Development, Implementation,<br>and Evaluation        |

**Northeastern University – Undergraduate**

2019            Instructor            NRSG 2210 Influences on Health and Illness: A Nursing  
Prospective (3 credit, required course)

**University of Pennsylvania – Undergraduate**

2018-2019    Teaching Assistant    NRSG 389 Research/Inquiry-based Service Residency (1 credit,  
required course)

**University of Pennsylvania – Graduate**

2018-2019    Teaching Assistant    NRSG 363 Pain Science and Practice (3 credit, elective)  
Interprofessional - Medical, Dental and Nursing Students

**Supervision/Advising of Graduate Students**

**PhD Committee**

2020            Committee Member            Vath, V.

**DNP Faculty Advisor**

2020            Committee Chair            Cavallaro, M.

**Research Practicum Advisor**

2020            DNP students completing research projects for NRSG 7110, 2 students