

CURRICULUM VITAE

FRANCESCA L. BEAUDOIN, MD, PhD, MS**EDUCATION**

Bachelor of Science, Kinesiology University of Massachusetts Amherst, Amherst, MA <i>Magna Cum Laude</i>	1996 – 2000
Master of Science, Kinesiology University of Massachusetts Amherst, Amherst, MA <i>Advisor: Barry Braun, PhD</i>	2000 – 2002
Doctor of Medicine University of Massachusetts Medical School, Worcester, MA	2002 – 2006
Doctor of Philosophy, Epidemiology Brown University, Providence, RI <i>Advisor: Roland C. Merchant, MD, ScD</i>	2013 – 2017

POST-GRADUATE TRAINING

Brown University Emergency Medicine Residency Rhode Island Hospital/ Hasbro Children’s Hospital/ The Miriam Hospital Providence, RI <i>Chief Resident, 2009-2010</i>	2006 - 2010
Brown University Emergency Medicine Substance Abuse Research Fellowship The Department of Emergency Medicine The Alpert Medical School of Brown University	2013 - 2015

HONORS AND AWARDS

Robert C. Byrd Honors Scholarship, UMass Amherst	1996 - 2000
Division I, Academic All-American, Women’s Rowing	1999 & 2000
Honors Research Fellowship, Dept. of Kinesiology, UMass Amherst	1999 – 2000
University Scholar with Distinction Award, UMass Amherst	2000
Alpha Omega Alpha Medical Honor Society	2006
Worcester District Medical Society Scholarship	2006
Gregory D. Jay Research Award	2010

Haffenreffer House Staff Excellence Award	2010
Dean's Excellence in Teaching Award – Brown University	2012
Fellow, American College of Emergency Physicians	2013
Best Scientific Presentation, Society for Academic Emergency Medicine	2014
Gallery of Excellence, Society for Academic Emergency Medicine	2014
National Institutes of Health Loan Repayment Award	2014 - 2016
Brown University School of Public Health Travel Award	2015
Top Peer Reviewer, Annals of Emergency Medicine	2015, 2017, 2018
Dept of Emergency Medicine, Translational Research Impact Award	2016
Society for Academic Emergency Medicine, Young Investigator Award	2017
Clinical Excellence Award, Emergency Medicine, The Miriam Hospital	2017
Physician C.A.R.E Award, The Miriam Hospital	2018
Michael J. Mello Research Mentoring Award	2018
Physician of the Year, Rhode Island Chapter of the American College of Emergency Physicians	2020
Barnett Fain Quality Award, Lifespan Health System	2021

PROFESSIONAL LICENSURE AND CERTIFICATION

Rhode Island Medical License, License # MD13324, Expires 6/30/2024	2010 – Present
American Board of Emergency Medicine, Certificate # 48296, Expires 12/31/2026	2011 – Present

ACADEMIC APPOINTMENTS

Assistant Instructor, Department of Emergency Medicine The Warren Alpert School Medical School of Brown University, Providence, RI	2009 – 2010
Assistant Professor, Department of Emergency Medicine The Warren Alpert School Medical School of Brown University, Providence, RI	2010 – 2017
Director of Clinical Research, Department of Emergency Medicine The Warren Alpert School Medical School of Brown University, Providence, RI	2017 – 2021
Associate Professor, Department of Emergency Medicine The Warren Alpert School Medical School of Brown University, Providence, RI	2017 – Present
Associate Professor, Department of Health Services, Policy, and Practice	2017 – 2022

Brown University School of Public Health Providence, RI	
Associate Professor, Department of Epidemiology Brown University School of Public Health Providence, RI	2020 – Present
Interim Chair, Department of Epidemiology Brown University School of Public Health Providence, RI	2021 – 2023
Director, Center for Epidemiologic Research Brown University School of Public Health Providence, RI	2021 – 2023
Professor of Epidemiology and Emergency Medicine Brown University School of Public Health Providence, RI	2023 – Present
Interim Academic Dean Brown University School of Public Health Providence, RI	2023 – Present

CLINICAL APPOINTMENTS

Attending Physician, Department of Emergency Medicine Lifespan Health System (Rhode Island Hospital and The Miriam Hospital)	2010 – Present
Director of Clinical Research, Department of Emergency Medicine Lifespan Health System	2017 - 2021
Director, Board of Directors, Brown Emergency Medicine <i>Secretary, 2019 – 2021</i> <i>Chair, Governance and Nomination Committee, 2019 – 2022</i>	2017 – 2021
Attending Physician, CODAC Behavioral Healthcare	2021 - Present

OTHER APPOINTMENTS

Reviewer for multiple peer-reviewed journals: New England Journal of Medicine, JAMA, Annals of Emergency Medicine, Pediatrics, Drug and Alcohol Dependence, Addiction, Pain, Academic Emergency Medicine, Canadian Journal of Emergency Medicine, American Journal of Emergency Medicine	2010 – Present
Temporary Member, Food and Drug Administration (FDA) Anesthetic and Analgesic Drug Products Advisory Committee	2014 – 2021
NIH Early Career Reviewer Program	2015 – 2017
Sentinel Reader, McMaster's Online Rating of Evidence	2015 – 2021

Abstract Reviewer, Society for Academic Emergency Medicine National Meeting	2015 – 2021
Moderator, Society for Academic Emergency Medicine Meetings	2015 – 2019
Scientific Advisor, RI Governor’s Task Force on Opioid Overdose Prevention	2015
Subject Matter Expert, Patient-Centered Outcomes Research Institute	2017 – 2020
Steering Committee, Pilot Projects Program, Brown Advance-CTR	2017 – Present
Rhode Island Interagency Research Collaboration on Opioid Overdose	2017 – Present
Peer Reviewer, National Institutes of Health Integrative, Functional, and Cognitive Neuroscience (IFCN), SBIR/ STTR Study Section (RPHB), Substance Abuse Special Emphasis Panels (ZDA)	2017 – Present
Scientific Expert, Opioid Panel, Pennsylvania Department of Health	2018
Peer Reviewer, Veterans Health Administration	2018 – Present
Scientific Advisor, Beacon Tech Inc. (Marigold Health)	2018 – Present
Senior Medical Advisor, Institute for Clinical and Economic Review	2021- Present
Expert Advisory Panel, Pediatric Emergency Care Applied Research Network	2021, 2022

HOSPITAL AND UNIVERSITY COMMITTEES

Member, Rhode Island Hospital Quality and Patient Safety Committee	2008 – 2013
Member, Department of Emergency Medicine Research Committee	2008 – 2021
Member, Department of Emergency Medicine Residency Advisory Committee	2009 – 2013
Member, Department of Emergency Medicine Executive Committee	2017 – 2021
Member, Emergency Medicine Chair Search Advisory Committee	2018
Chair, Search Committee for Vice Chair of Pediatric Emergency Medicine	2019
Member, Search Committee for Chief of Gastroenterology	2022
Member, Doctoral Admissions Committee, Department of Epidemiology	2022
Member, Teaching Scholar Search Committee, Department of Epidemiology	2022
Member, Executive Committee, Brown University School of Public Health	2021 – Present
Member, Doctoral Admissions Committee, Department of Epidemiology	2021 – Present

MEMBERSHIP IN SOCIETIES

Member, American College of Emergency Physicians	2004 – Present
Member, Society for Academic Emergency Medicine	2006 – 2019
Research Committee Member	2014 – 2019
-Subcommittee chair of research curriculum for national SAEM	2015 – 2019

Member, Rhode Island Medical Society	2006 – Present
Member, American Pain Society	2011 – 2018
Member, International Association for the Study of Pain	2012 – Present
Member, Society for Epidemiologic Research	2021 – Present
National Meeting Abstract Reviewer, 2022 - Present	

PUBLICATION LIST

Note: *Denotes work with a student or post-graduate trainee

Note: In the related fields of study, the senior author is typically the individual who oversees the work, provides mentorship to trainees drafting the text, and ultimately takes primary responsibility for the research product. In my research lab, the first author plays a key role in shepherding the product through the entire conception, drafting, submission, and publication process. The second author is typically the person most heavily involved in the data acquisition, management, coding, or analysis of the results. The penultimate position (Denoted by ^) can be reserved for individuals with specific additional roles or oversight (e.g., ‘mentoring the mentor,’ funding, co-responsibility for the product).

Original Publications in Peer-Reviewed Journals

1. Braun B, Sharoff C, Chipkin SR, **Beaudoin F**. “Effects of insulin resistance on substrate utilization during exercise in overweight women.” *J Appl Physiol*. 2004 Sept; 97(3):991-7.
2. Poissant SF, **Beaudoin F**, Huang J, Brodsky J, Lee DJ. “Impact of cochlear implantation on speech understanding, depression, and loneliness in the elderly.” *J Otolaryngol Head Neck Surg*. 2008 Aug; 37(4):488-94.
3. **Beaudoin FL**, Nagdev A, Merchant RC, Becker BM. “Ultrasound-guided femoral nerve blocks in elderly patients with hip fractures.” *Am J Emerg Med*. 2010 Jan; 28(1):76-81
4. **Beaudoin FL**, Valente JH. “Delayed post-ERCP perforation presenting as scrotal subcutaneous emphysema.” *J Emerg Med*. 2011 Jan; 40(1):e15-7.
5. Leytin V*, **Beaudoin FL**. “Reducing hip fractures in the elderly.” *Clin Interv Aging*. Mar 2011; 6:61-5.
6. **Beaudoin FL**, Merchant RC, Lincoln J*, Liebmann O, Cohn J. “Bedside ultrasonography detects significant femoral vessel overlap: implications for central venous cannulation.” *CJEM*. 2011 Jul; 13(4):245-50.
7. **Beaudoin FL**, Haran JP, Liebmann O. “Ultrasound guided femoral nerve blocks in elderly patients with hip fractures: a randomized controlled trial.” *Acad Emer Med*. 2013 Jun; 20(6):584-91.
8. Haran JP, **Beaudoin FL**, Suner S. “C-Reactive Protein as a Predictor of Bacterial Infection among Patients Presenting with an Influenza-Like Illness during the Influenza Season.” *Am J Emerg Med*. 2013 Jan; 31(1):137-44.

9. Swenson D*, Lourenco A, **Beaudoin FL**, Grand D, Killelea A*, McGregor A. Case-control study comparing the sensitivity and specificity of ultrasonography and computed tomography for diagnosis in the emergency department. *Eur J Radiol*. 2014 Apr;83(4):733-8.
10. **Beaudoin FL**, Straube S*, Lopez J*, Mello MJ, Baird J. Prescription opioid misuse among emergency department patients discharged with opioids. *Am J Emerg Med*. 2014 Jun; 32(6):580-5.
11. **Beaudoin FL**, Lin C*, Guan W*, Merchant RM. Low Dose Ketamine Improves Pain Relief in Patients Receiving Intravenous Opioids for Acute Pain in the Emergency Department: Results of a Randomized, Double-Blind, Clinical Trial. *Acad Emerg Med*. 2014 Nov; 21(11):1193-1202.
12. Choo EK, Beauchamp G, **Beaudoin FL**, Bernstein E, Bernstein J, Bernstein SL, Broderick K, Cannon RD, D'Onofrio G, Greenberg MR, Hawk K, Hayes RB, Jacquet GA, Lippmann MJ, Rhodes KV, Watts S, Boudreaux ED. A Research Agenda for Substance Use Disorders in the Emergency Department. *Acad Emerg Med*. 2014 Dec;21(12):1438-46.
13. Henderson A*, Babu KM, Merchant RC, **Beaudoin FL**. Prescription opioid use and misuse among older adult Rhode Island Hospital Emergency Department patients. *R I Med J (2013)*. 2015 Mar 3;98(3):28-31.
14. **Beaudoin FL**, Merchant RC, Janicki A*, Mckaig D, Babu KM. Preventing Iatrogenic Overdose: A Review of In-Emergency Department Opioid-Related Adverse Drug Events and Medication Errors. *Ann Emerg Med*. 2015 Apr; 65(4):423-31.
15. Hoppe J, Perrone JM, Nelson LS, Weiner SG and The POSED Study Investigators. Opioid Prescribing in a Cross Section of U.S. Emergency Departments. *Ann Emerg Med*. 2015 Sep;66(3):253-259.
16. **Beaudoin FL**, Liu T, Baird JR, Merchant RC. Gender Differences in Substance Use Among Adult Emergency Department Patients: Prevalence, Severity, and Need for Intervention. *Acad Emerg Med*. 2015 Nov;22(11):1307-15.
17. Henderson AW*, **Beaudoin FL**, Mello MJ, Baird J. Prevalence of Sedating Medication Use Among Older Drivers Presenting in the Emergency Department. *R I Med J (2013)*. 2016 Jan 4;99(1):15-9.
18. **Beaudoin FL**, Banerjee GN*, Mello MJ. State and system-level opioid prescribing policies: The impact on provider practices and overdose deaths, a systematic review. *Journal of Opioid Management*. *J Opioid Manag*. 2016 Mar-Apr;12(2):109-18.
19. **Beaudoin FL**, Merchant RC, Clark MA. Prevalence and detection of prescription opioid misuse and prescription opioid use disorder among emergency department patients 50 years of age and older. *American Journal of Geriatric Psychiatry*. *Am J Geriatr Psychiatry*. 2016 Aug;24(8):627-36.
20. **Beaudoin FL**, Gutman R, Merchant RC, Clark MA, Peak DA, Jones JS, Swor RA, Domeier RM, Lee DC, Rathlev NK, Hendry PL, McLean SA. Persistent pain after motor vehicle collision: Comparative effectiveness of opioids versus non-steroidal anti-inflammatory drugs prescribed from the emergency department- A propensity matched analysis. *Pain*. 2017 Feb;158(2):289-295.

21. Haran JP, Wilsterman E, Zeoli T, **Beaudoin FL**, Tjia J, Hibberd PL. Elderly patients are at increased risk for treatment failure in outpatient management of purulent skin infections. *Am J Emerg Med*. 2017 Feb;35(2):249-254.
22. **Beaudoin FL**, Rich JD. Opioid-Prescribing Patterns of Emergency Physicians. *N Engl J Med*. 2017 May 11;376(19):1895-6.
23. **Beaudoin FL**, Janicki A*, Zhai W*, Choo EK. Trends in opioid prescribing before and after implementation of an emergency department opioid prescribing policy. *Am J Emerg Med*. 2018 Feb;36(2):329-331.
24. Zullo A, Zhang T, **Beaudoin FL**, Lee Y, Mconeughy KW, Kiel DP, Daiello LA, Mor V, Berry SD. Pain Treatments after Hip Fracture among Older Nursing Home Residents. *Journal of the American Medical J Am Med Dir Assoc*. 2018 Feb;19(2):174-176.
25. Madsen TE*, McLean S, Zhai W, Linnstaedt S, Kurz MC, Swor R, Hendry P, Peak D, Lewandowski C, Pearson C, O'Neil B, Datner E, Lee D, **Beaudoin F**. Gender Differences in Pain Experience and Treatment after Motor Vehicle Collisions: A Secondary Analysis of the CRASH Study. *Journal of Clinical Therapeutics*. 2018 Feb;40(2):204-213.e2.
26. **Beaudoin FL**, Gutman R, Zhai W*, Merchant RC, Clark MA, Bollen KA, Hendry P, Kurz MC, Lewandowski C, Pearson C, O'Neil B, Datner E, Mitchell P, Domeier R, McLean SA. Racial differences in presentations and predictors of acute pain following motor vehicle collision. *Pain*. 2018 Jun;159(6):1056-1063.
27. **Beaudoin FL**. A combination of ibuprofen and acetaminophen is no different than low dose opioid analgesic preparations in relieving short-term acute extremity pain. *British Medical Journal. BMJ Evid Based Med*. 2018 Oct;23(5):197-198.
28. Bernstein M*, Magill M, **Beaudoin FL**, Becker S, Rich J. Harnessing the placebo effect: A promising method for curbing the opioid crisis? *Addiction*. 2018 Nov;113(11):2144-2145.
29. **Beaudoin FL**, Rosellini AJ*, Bortsov A, McLean SA. Health care utilization following motor vehicle collision is poorly stratified by chronic pain risk: Lessons from the CRASH study. *American Journal of Emergency Medicine. Am J Emerg Med*. 2019 Mar;37(3):534-535.
30. Scotina A*, **Beaudoin FL**, Gutman R. Matching estimators for causal effects of multiple treatments. *Statistical Methods in Medical Research. Stat Methods Med Res. Stat Methods Med Res*. 2020 Apr;29(4):1051-1066.
31. Roger EI, Rothbaum BO, **Beaudoin FL**, McLean SA, Ressler KJ, Michopoulos V. Nausea in the Peritraumatic Period is Associated with Increased PTSD Symptom Development: A Prospective Emergency Department Observational Study. *Neuropsychopharmacology*. 2019 Mar;44(4):668-673.
32. Bernstein MH*, **Beaudoin FL**, Magill M. Response to FDA Commissioner's Statement on Dsuvia approval. *Addiction. Addiction*. 2019 Apr;114(4):757-758.

33. Santhanam D*, Strauss D*, McLean SA, **Beaudoin FL**. Altering the Transition from Acute to Chronic Pain (ATTAC Pain): A randomized, double-blind, placebo-controlled clinical trial of duloxetine for the treatment and prevention of musculoskeletal pain. *BMJ Open*. 2019 Mar 5;9(3):e025002.
34. Lawrence A*, Burke C, Brister J, Ferrante D, **Beaudoin FL**. Evaluating the Impact of Hospital Closure on Local Emergency Department Operations. *Rhode Island Medical Journal*. 2019 June; 37- 42.
35. McLean SA, Ressler KJ, Koenen KC, Neylan TC, Germine L, Jovanovic T, Clifford GD, Zeng D, An X, Linnstaedt SD, **Beaudoin FL**, House SL, Bollen KA, Musey PI, Hendry P, Jones CW, Lewandowski C, Swor R, Datner E, Mohiuddin K, Stevens JS, Storrow AB, Kurz MC, McGrath M, Fermann GJ, Hudak L, Gentile NT, Chang AM, Peak DA, Pascual JL, Seamon MJ, Sergot P, Peacock WF, Diercks DB, Sanchez LD, Rathlev NK, Domeier RM, Haran JP, Pearson C, Murty VP, Insel TR, Dagum P, Onnela JP, Bruce SE, Gaynes BN, Joormann J, Miller MW, Pietrzak R, Buysse DJ, Pizzagalli DA, Rauch SL, Harte SE, Young LJ, Barch DM, Lebois LAM, van Rooij SJH, Luna B, Smoller JW, Dougherty RF, Pace TW, Binder EB, Sheridan JF, Elliott JM, Basu A, Fromer M, Parlikar T, Zaslavsky AM, and Kessler RC. The AURORA Study: A Longitudinal, Multimodal Library of Brain Biology and Function after Traumatic Stress Exposure. *Mol Psychiatry*. 2020 Feb;25(2):283-296.
36. Bernstein MH*, Magill M, Weiss AP, Kaptchuk TJ, Blesse C, Irving K, Rich J, Mach S, **Beaudoin FL**. Are conditioned open placebos feasible as an adjunctive treatment to opioids? Results from a single-group dose-extender pilot study with acute pain patients. *Psychotherapy and Psychosomatics*. *Psychother Psychosom*. 2019 Sep 27:1-3.
37. Goedel W*, Marshall BDL, Samuels E, Brinkman M, Dettor D, Mahoney L, O'Toole G, Nazami T, **Beaudoin FL**. Randomized Clinical Trial of an Emergency Department-Based Peer Recovery Support Intervention to Increase Treatment Uptake and Reduce Recurrent Overdose among Individuals at High Risk for Opioid Overdose: Study Protocol for the Navigator Trial. *BMJ Open*. 2019 Nov 11;9(11):e032052.
38. Mauck, MC, Linnstaedt, SD, Bortsov, A, Kurz MC, Hendry PL, Lewandowski C, Velilla MA, Datner E, Pearson C, Domeier R, Fillingim RB, **Beaudoin FL**, Ting JP, McLean SA. Vitamin D insufficiency increases risk of chronic pain among African Americans experiencing motor vehicle collision. *Pain*. 2020 Feb;161(2):274-280.
39. Moretti K, Marques CG, Garbern S, Mbanjumucyo G, Uwamahoro C, **Beaudoin FL**, Amanullah S, Gjelsvik A, Aluisio A. Transfusion, Mortality and Hemoglobin Level: Associations Among Emergency Department Patients in Kigali, Rwanda. *African Journal of Emergency Medicine*. Epub ahead of print Feb 6, 2020.
40. Scherzer C*, Ranney M, Jain S, Bommaraju S, Patena J, Langdon K, Jennings E, Nimaja E, **Beaudoin, FL**. Mobile Peer-Support for Opioid Use Disorders: Refinement of an Innovative Machine Learning Tool. *Journal of Psychiatry and Brain Science*. *J Psychiatr Brain Sci*. Jan 2020;5(1).
41. Neylan TC, Kessler RC, Ressler KJ, Clifford G, **Beaudoin FL**, An X, Stevens JS, Zeng D, Linnstaedt SD, Germine LT, Sheikh S, Storrow AB, Panches BE, Mohiuddin K, Gentile NT, McGrath ME, van Rooij SJH, Haran JP, Peak DA, Domeier RM, Pearson C, Sanchez LD, Rathlev NK, Peacock WF, Bruce SE, Joormann J, Barch DM, Pizzagalli DA, Sheridan JF, Harte SE, Elliott JM, Hwang I, Petukhova MV, Sampson NA, Koenen KC, McLean SA. (In press). Prior sleep problems and adverse post-traumatic

neuropsychiatric sequelae (APNS) of motor vehicle collision in the AURORA study. *Sleep*. 2021 Mar 12;44(3):zsaa200. doi: 10.1093/sleep/zsaa200.

42. Francis AK*, **Beaudoin FL**, Naidjate S, Collins C, Zullo AG. Comparing Treatment Response Between Older and Younger Patients with Chronic Hepatitis C Virus Infection on Direct-acting Antiviral Agents. In Press, *Rhode Island Medical Journal*. *R I Med J*, 2020 Jun 1;103(5):35-40.
43. Goldberg E*, Marks S, Merchant R, Nagy J, Aquilante J, **Beaudoin F**. How accurately do older adult emergency department patients recall their medications. *Academic Emergency Medicine*. In Press, May 2020.
44. Wilson T*, Singh G, Mendolsohn R, Mello MJ, **Beaudoin FL**. Serum lactate is not a useful predictor of injury in blunt trauma patients. *Rhode Island Medical Journal*. In Press, May 2020.
45. Jacka B, **Beaudoin F**, Li Y, Nimaja E, Yedanik J, Samuels E, Marshall B. Objective Outcome Measures in Randomized Clinical Trials of Interventions to Reduce Risk of Opioid Overdose Following Discharge From the Emergency Department: Utility of Administrative Data Linkage [published online ahead of print, 2020 Aug 4]. *J Addict Med*. 2020;10.1097/ADM.
46. Kessler RC, Ressler KJ, House SL, **Beaudoin FL**, An X, Stevens JS, Zeng D, Neylan TC, Linnstaedt SD, Germine LT, Musey PI, Hendry PL, Sheikh S, Storrow AB, Jones CW, Panches BE, Datner EM, Mohiuddin K, Gentile NT, McGrath ME, van Rooij SJH, Hudak L, Haran JP, Peak DA, Domeier RM, Pearson C, Sanchez LD, Rathlev NK, Peacock WF, Bruce SE, Miller MW, Joormann J, Barch DM, Pizzagalli DA, Sheridan JF, Smoller JW, Pace TWW, Harte SE, Elliott JM, Hwang I, Sampson NA, Koenen KC, McLean SA. Socio-demographic and trauma-related predictors of PTSD within eight weeks of a motor vehicle collision in the AURORA study. *Molecular Psychiatry* 2020 Feb;25(2):283-296.
47. **Beaudoin FL**, Zhai W, Merchant RC, Clark MA, Kurz MC, Hendry P, Swor RA, Peak D, Jones J, Pearson C, Datner E, Mitchell P, Domeier R, Rosenberg M, Ortiz C, McLean SA. Prediction of persistent and widespread pain among African-Americans six weeks after motor vehicle collision: an emergency department-based cohort study. *West J Emerg Med*. 2020 Dec 16;22(2):139-147. doi: 10.5811/westjem.2020.8.47450.
48. Naganathan S, Meehan-Coussee K, Pasichow S, Rybasack-Smith H, Binder W, **Beaudoin F**, Musits AN, Sutton E, Petrone G, Levine AC, Suner S. From Concerts to COVID: Transforming the RI Convention Center into an Alternate Hospital Site in under a Month. *R I Med J* (2013). 2020 Aug 3;103(6):8-13.
49. Joormann J., McLean SA, **Beaudoin, FL**, An X, Stevens JS, Zeng D, Neylan TC, Clifford G, Linnstaedt SD, Germine LT, Rauch, S., Musey PI, Hendry PL, Sheikh S, Jones CW, Panches BE, Fermann G, Hudak LA, Mohiuddin K, Murty V, McGrath ME, Haran JP, Pascual J, Seamon M, Peak DA, Pearson C, Domeier RM, Sergot P, Merchant R, Sanchez LD, Rathlev NK, Peacock WF, Bruce SE, Barch D, Pizzagalli DA, Luna B, Harte SE, Hwang I, Lee S, Sampson N, Koenen KC, Ressler K, Kessler RC. Socio-demographic and trauma-related predictors of depression within eight weeks of motor vehicle collision in the AURORA study. *Psychological Medicine*, 52(10), 1934-1947.

50. Collins AB, **Beaudoin FL**, Samuels EA, Wightman R, Baird J. The impact of COVID-19 on service provision for emergency department patients post-opioid overdose: A field report. *J Addict Med.* 2020 Nov 16. doi: 10.1097/ADM.0000000000000779. Online ahead of print.
51. Zullo AR, Danko KJ, Moyo P, Adam GP, Riester M, Kimmel HJ, Panagiotou OA, **Beaudoin FL**, Carr D, Balk EM. Prevention, Diagnosis, and Management of Opioids, Opioid Misuse, and Opioid Use Disorder in Older Adults. Technical Brief No. 37. (Prepared by the Brown Evidence-based Practice Center under Contract No. 290-2015-00002-I.) AHRQ Publication No. 21-EHC005. Rockville, MD: Agency for Healthcare Research and Quality. November 2020. Posted final reports are located on the Effective Health Care Program search page. DOI: 10.23970/AHRQEPCTB37.
52. Francis AG*, Croll J, Vaishnav H, Langdon K, **Beaudoin FL**. Treatment Retention in Older Versus Younger Adults with Opioid Use Disorder: A Retrospective Cohort Analysis from a Large Single Center Treatment Program. *R I Med J* (2013). 2021 Feb 1;104(1):51-54. PubMed PMID: 33517601.
53. **Beaudoin FL**, Kessler RC, Hwang I, Lee S, Sampson NA, An X, Ressler KJ, Koenen KC, McLean SA. Pain after a motor vehicle crash: The role of socio-demographics, crash characteristics and peri-traumatic stress symptoms. *Eur J Pain.* 2021 Jan 18;. doi: 10.1002/ejp.1733. [Epub ahead of print] PubMed PMID: 33458880.
54. Harnett NG, van Rooij SJH, Ely TD, Lebois LAM, Murty VP, Jovanovic T, Hill SB, Dumornay NM, Merker JB, Bruce SE, House SL, **Beaudoin FL**, An X, Zeng D, Neylan TC, Clifford GD, Linnstaedt SD, Germine LT, Bollen KA, Rauch SL, Lewandowski C, Hendry PL, Sheikh S, Storrow AB, Musey PI Jr, Haran JP, Jones CW, Panches BE, Swor RA, McGrath ME, Pascual JL, Seamon MJ, Mohiuddin K, Chang AM, Pearson C, Peak DA, Domeier RM, Rathlev NK, Sanchez LD, Pietrzak RH, Joormann J, Barch DM, Pizzagalli DA, Sheridan JF, Harte SE, Elliott JM, Kessler RC, Koenen KC, Mclean S, Ressler KJ, Stevens JS. Prognostic neuroimaging biomarkers of trauma-related psychopathology: resting-state fMRI shortly after trauma predicts future PTSD and depression symptoms in the AURORA study. *Neuropsychopharmacology.* 2021 Jan 21;. doi: 10.1038/s41386-020-00946-8. [Epub ahead of print] PubMed PMID: 33479509.
55. Cakmak AS, Perez Alday EA, Da Poian G, Bahrami Rad A, Metzler TJ, Neylan TC, House SL, **Beaudoin FL**, An X, Stevens J, Zeng D, Linnstaedt SD, Jovanovic T, Germine LT, Bollen KA, Rauch SL, Lewandowski C, Hendry PL, Sheikh S, Storrow AB, Musey PI, Haran JP, Jones CW, Panches BE, Swor RA, Gentile NT, McGrath ME, Seamon MJ, Mohiuddin K, Chang AM, Pearson C, Domeier RM, Bruce SE, O'Neil BJ, Rathlev NK, Sanchez LD, Pietrzak RH, Joormann J, Barch DM, Pizzagalli D, Harte SE, Elliott JM, Koenen KC, Ressler KJ, Kessler R, Li Q, Mclean SA, Clifford GD. Classification and prediction of post-trauma outcomes related to PTSD using circadian rhythm changes measured via wrist-worn research watch in a large longitudinal cohort. *IEEE J Biomed Health Inform.* 2021 Jan 22;PP. doi: 10.1109/JBHI.2021.3053909. [Epub ahead of print] PubMed PMID: 33481725.
56. Bernstein MH*, Fuchs N, Rosenfield M, Weiss AP, Blease C, Locher C, Magill M, Rich J, **Beaudoin F.** et al. Treating pain with open-label placebos: A qualitative study with post-surgical pain patients. *J Pain.* 2021 Nov;22(11):1518-1529. doi: 10.1016/j.jpain.2021.05.001. Epub 2021 May 15. PMID: 34004348.
57. Scherzer C*, Ranney ML, Patena J, Jennings E, Langdon KJ, **Beaudoin FL**. Peer support for opioid use disorders: feasibility and acceptability of a moderated text-based group chat application. *J Addict Res Therapy*, 12(421).

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37. Interview, Boston Globe. “A new study found 59% of Long COVID patients have organ damage, experts say it is not so simple.” 3/8/23
38. Interview, Boston Globe. “Three years after COVID-19 was declared a pandemic, how cautious are the experts?” 3/20/23
39. Interview, Washington Post. “For covid long-haulers, the pandemic is far from over.” 5/28/2023
40. Interview, Slate Magazine. “Is Long COVID Linked to Mental Illness? The research is preliminary. The topic is charged. But the question has a very real basis.” 6/26/2023
41. Interview, Science Magazine. “COVID-19 boosts risks of health problems 2 years later, giant study of veterans says.” 8/21/2023
42. Interview, Washington Post. “Many long-covid symptoms linger even after two years, new study shows.” 8/27/2023
43. Video Podcast, USA Today. “Long COVID: What is it and why is it still a mystery? | 5 Things.” 9/6/2023
44. Interview, BBC. “Are businesses ready for another wave of Covid-19 cases?” 9/13/2023
<https://www.bbc.com/worklife/article/20230913-are-businesses-ready-for-another-wave-of-covid-19-cases>

PRESENTATIONS

International

1. Altering the transition from acute to chronic pain: Emergency Department-based interventions following trauma. World Congress on Pain. International Association for the Study of Pain. (June 2020, Cancelled due to COVID-19)
2. Invited lecture, RECOVER Injury Research Centre, University of Queensland, Australia. (April 2020, Cancelled, Cancelled due to COVID-19, rescheduled October 2021)
3. Matching Estimators for Causal Effects of Multiple Treatments. International Conference on Health Policy Statistics. San Diego, CA. January, 2020.
4. Ultrasound-guided regional anesthesia for pain control in fractures. Winfocus: 4th World Congress in Emergency and Critical Care Ultrasound; Porto Alegre, Brasil. March 2008.

National

1. “A translational approach to improving acute pain and preventing the transition to chronic pain: Getting off the Opioid-NSAID-APAP Merry-go-round.” Departments of Emergency Medicine and Anesthesia, University of North Carolina, Chapel Hill, NC. December 2014.
2. “Evidence-based medicine (Not your mother’s EM-RAP).” Department of Emergency Medicine, UMass Medical School, Worcester, MA. December 2014.

3. “Using the past to predict the future: research using chart reviews and quality improvement projects.” Society for Academic Emergency Medicine Annual Meeting. May 2015.
4. Longitudinal Research Curriculum. Society for Academic Emergency Medicine Annual Meeting. 2015 – 2018.
5. “Mobile peer support for opioid use disorders.” The Future of Health Summit (NIDA /Milken Institute), October 28-30, 2019 in Washington DC.
6. “Implementing care pathways for opioid overdose.” Center for Disease Control (CDC) Reverse Site Visit. April 2020 (Cancelled due to COVID-19)
7. “Long COVID: What we know and what we don’t know,” US Chamber of Commerce Foundation Quarterly Meeting, Virtual, February 21, 2022.
8. “Telehealth & Remote Care in a Post-Pandemic World.” University of Connecticut Conference May 19-20, 2022.
9. “Long COVID: Current research and knowledge gaps.” Workman’s Comp Research Institute, May 3, 2022.
10. “Comparative effectiveness of Betibeglogene Autotemcel (beti-cel) for Beta Thalassemia.” Institute for Clinical and Economic Review, June 17, 2022.
11. “Medications for Obesity Management.” Institute for Clinical and Economic Review, September 16, 2022.
12. “Successful models for data sharing and ensuring productive collaborations with state and local health departments: Lessons from peer navigation overdose prevention interventions.” Accepted Symposium, Society for Epidemiologic Research Annual Meeting, June 13 – 16, 2023 in Portland, Oregon.

Local

1. Emergency Medicine Morning Report. Department of Emergency Medicine, Rhode Island Hospital, Providence, RI. 2008 – 2010 (Multiple Dates) Lectures: ACS Update, ECG Review, Anion Gap Acidoses, Tick Born Illnesses, Kidney Stones and MET therapy, DKA, Dental Emergencies
2. Medical Student Emergency Medicine Lecture Series. Department of Emergency Medicine, Rhode Island Hospital, Providence, RI. 2008 – 2010 (Multiple Dates) Lectures: ECG Review, Skin and Soft Tissue Infections, Eye Emergencies
3. Clinical Pathologic Case Conference, “Myxedema Coma,” Department of Emergency Medicine, Rhode Island Hospital, Providence, RI. November 2008.
4. Toxicology Conference, “Regional Anesthetic Toxicity,” Department of Emergency Medicine, Rhode Island Hospital, Providence, RI. December 2008
5. Joint Trauma Conference, “Mild Traumatic Brain Injury,” Departments of Emergency Medicine/ Surgery, Rhode Island Hospital, Providence, RI. March 2009.

6. Lecturer, Careers in Medicine Lecture Series. School of Public Health, UMass Amherst, Amherst, MA. December 2010
7. PGY4 Grand Rounds, “Submassive Pulmonary Embolism,” Department of Emergency Medicine, Rhode Island Hospital, Providence, RI. June 2010
8. Morbidity and Mortality Monthly Conference. Department of Emergency Medicine, Rhode Island Hospital, Providence, RI 2009 – 2010 (Multiple Dates)
9. Semiannual Research Update at Resident Conference. Department of Emergency Medicine, Rhode Island Hospital, Providence, RI. 2009 – 2013 (Multiple Dates)
10. Low Dose Ketamine for the Management of Acute Pain. Annual Research Symposium Department of Emergency Medicine, Rhode Island Hospital, Providence, RI. April 2014
11. Prescription opioid use (and misuse) among older adults. The Center for Gerontology, Brown University. June 2014.
12. Pain management in older adults. Scholarly Concentration in Aging Lecture Series, The Alpert Medical School of Brown University. July 2014
13. Evidence-based Medicine lecture series. Department of Emergency Medicine, Rhode Island Hospital, Providence, RI. 2014-2015 (Multiple Dates)
14. A translational approach to improving acute pain and preventing the transition to chronic pain: Getting off the Opioid-NSAID-APAP Merry-go-round. Departments of Emergency Medicine, The Alpert Medical School of Brown University, August 2015.
15. Journal Club. Center for Evidence-based Medicine, Brown University. 2015 – 2016 (Multiple Dates). Topics include: Latent class modeling, interaction and effect modification, propensity scoring, methods in comparative effectiveness, conducting focus groups, patient centered outcomes research.
16. Journal Club. Department of Emergency Medicine, Alpert Medical School of Brown University. 2018 - 2019 (Multiple Dates).
17. Research Seminar Series. Department of Emergency Medicine, Alpert Medical School of Brown University. 2017 – 2019 (Multiple Dates).
18. Public Health Round Table with Secretary Womazetta Jones. Executive Office for Health and Human Services. December 4, 2019.
19. Beyond the Teachable Moment: Emergency-Department Based Interventions for Opioid Use Disorder. Center for Alcohol and Addiction Studies. November 6, 2020.
20. COBRE on Opioids and Overdose Workshop. Collaborating with state agencies on research and data requests. Panel Discussion. May 12, 2022.
21. Rhode Island Chamber of Commerce. Long COVID for Employers and Businesses. Webinar. September 21, 2022.

GRANTS

Federal and Private Foundations

DOD, TP210025 (Beaudoin, McLean) Prevention/Reduction of ASRs and PTSD to Sustain Warfighter Performance with Osanetant, a best-in-class NK3R Antagonist Role: Co-Principal Investigator	9/30/22 – 9/29/25
NIDA, UG3DA056880 (Beaudoin, Wightman) Identifying optimal buprenorphine dosing for OUD treatment and prevention of Overdose. Role: Co-Principal Investigator	4/1/22 – 3/31/24
NIDA, R01DA054698 (Beaudoin, Ranney) Increasing Peer Support for OUD Recovery during COVID-19 through Digital Health: A National Randomized Controlled Trial Role: Co- Principal Investigator	9/1/22 – 8/31/26
Hassenfeld Family Initiative (Beaudoin) The Long COVID Initiative (aboutlongCOVID.org) Role: Principal Investigator	9/1/21 – 8/31/23
NIGMS, P20GM125507 (Wightman) COBRE Center on Opioids and Overdose - Project 6: Drug Overdose Testing: A Data Collection and Reporting Emergency Role: Mentor, Co-Investigator	10/1/21 - 8/31/23
Laura and John Arnold Foundation (Beaudoin) ED-based Behavioral Interventions Following Opioid Overdose: The impact of peer navigation on treatment engagement, relapse, and recovery (The Navigator Trial) Role: Co-Principal Investigator	7/1/2018 – 6/30/23
CDC, R01 CE19001 (Beaudoin, Baird) Implementing statewide emergency department care pathways for addiction recovery after opioid overdose. Role: Co-Principal Investigator	9/30/19 – 9/29/24
NIH/ NIA, R21AG061632 (Zullo, Beaudoin) Opioid use in post-acute hip fracture care: prescribing patterns, effectiveness, and safety Role: Co-Principal Investigator	7/1/19 –6/30/22
NHLBI (3OT2HL156812-01S6) / Brigham and Women's Hospital Anti-thrombotics for Adults Hospitalized With COVID-19 (ACTIV-4) Role: Site Principal Investigator	4/1/21 – 5/1/22

MTEC/ Aerpio Pharmaceuticals A Study to Evaluate the Safety and Efficacy of Razuprotafib, a Novel Tie 2 Activator, in Hospitalized Subjects With Moderate to Severe Coronavirus Disease 2019 (COVID-19) (RESCUE) Role: Site Principal Investigator	8/1/20 – 2/1/21
BARDA/ Regeneron Inc. Safety, Tolerability, and Efficacy of Anti-Spike SARS-CoV-2 Monoclonal Antibodies for the Treatment of Ambulatory Adult and Pediatric Patients With COVID-19 Role: Sub-Investigator	8/1/20 – 9/1/21
COVID-19 Research Seed Fund (Beaudoin, Hawrot, Ramratnam, Jay) Brown University The Brown COVID-19 Blood Biorepository Role: Co-Principal Investigator	6/1/20 – 5/31/21
BARDA/ Johns Hopkins University (Shoham) Convalescent Plasma to Stem Coronavirus: A Randomized Controlled Double Blinded Phase 2 Study Comparing the Efficacy and Safety of Human Coronavirus Immune Plasma vs control among Adults Exposed to COVID-19 Role: Sub-Investigator	5/1/20 – 5/31/21
Academic Assessment Award (Beaudoin) Brown Physicians, Inc. Low Dose Ketamine for Pain Management in Vasoocclusive Crisis of Sickle Cell Disease Role: Co-Principal Investigator	4/1/20 – 3/31/21
NIH/ NIDA, R41 DA047837 (Beaudoin) Mobile Peer Support for Opioid Use Disorders: Refinement of an Innovative Machine Learning Tool Role: Principal Investigator	4/1/2019 – 9/1/2020
NIH/ NIGMS, P20 GM125507 (Rich) COBRE Center on Opioids and Opioids Overdose Role: Project Lead (Principal Investigator, Project 1)	9/1/2018 – 8/31/20
NIH/ NIDA R34 DA045544 (Merchant) Development and Pilot Testing of a Persuasive Health Communication Intervention for Emergency Department Patients Who Decline Rapid HIV/HCV Screening Role: Site Principal Investigator	3/1/18 – 2/29/20
CIGNA Foundation (Beaudoin/ Marshall) Treating and Preventing Overdose Through Emergency Room Peer Services Role: Co- Principal Investigator	12/1/2019 – 7/1/2021

NIGMS, U54 GM115677 (Padbury) Advance CTR Grant Award – ED Smart Notifications: Real-time Predictive Modeling of At-Risk Emergency Department Patients Role: Project Co-Investigator	5/1/18 – 4/30/19
NIGMS, U54 GM115677 (Padbury) Advance CTR Grant Award – Altering the Transition from Acute to Chronic Pain (ATTAC Pain) Role: Project Principal Investigator	5/1/18 – 11/30/18
NIH/ NINR, R01 NR014782 (Merchant) Facilitating HIV/AIDS and HIV Testing Literacy for Emergency Department Patients Role: Site Principal Investigator	7/23/14 – 4/30/20
NIH/ NIMH, U01 MH110925 (McLean) Longitudinal Assessment of Post-Traumatic Syndromes Role: Site Principal Investigator	9/23/2016 – 7/31/2021
Mayday Foundation (Beaudoin, McLean) HELP PAIN: Healing and Preventing Pain After Injury, A randomized controlled trial of venlafaxine following motor vehicle collision Role: Co-Principal Investigator	4/1/2015 – 12/31/2018
AHRQ, K12 HS022998 (Lau, Trikalinos) Patient Centered Outcomes Research Institutional Mentored Career Development Program, Role: Scholar	8/1/2-15 – 7/31/2017
SURDNA Fellowship Program (Beaudoin) Brown Center for Gerontology and Health Care Research; Andrus Family Fund Role: Principal Investigator	9/1/13 – 8/30/15
Institutional Research Training Grant (Merchant, Mello) Society for Academic Emergency Medicine Salary support for protected time to perform research related to pain and substance misuse. Role: Trainee	7/1/13 – 6/30/15
Emergency Medicine Foundation (Beaudoin) Career Development Award Prescription opioid use and misuse in older emergency department patients Role: Principal Investigator	10/1/13 – 9/30/14
Lifespan Risk Management Grant (Babu) Rhode Island Hospital, Lifespan Preventing Iatrogenic Overdose: A Review of In-Emergency Department Opioid-Related Adverse Drug Events and Medication Errors Role: Co-Investigator	7/1/13 – 6/30/14
Brown Department of Family Medicine (Lopez, Straube) Drug use behaviors among ED patients discharged with prescription opioids Role: Mentor	1/1/13 – 6/30/13

Junior Faculty Research Development Grant (Beaudoin) University Emergency Medicine Foundation Low Dose Ketamine for Management of Acute Pain Role: Principal Investigator	10/1/12 – 9/30/13
AHRQ, R01 HS019312 (Bindman-Smith) Sonography and Tomography of Nephrolithiasis (STONE) Role: Co-Investigator	3/1/2011 – 9/1/13
Resident Research Grant (Beaudoin) Emergency Medicine Foundation/ Emergency Medicine Residents Association Ultrasound guided femoral nerve blocks in elderly patients with hip fractures Role: Principal Investigator	7/1/09 – 7/1/10

Industry Grants

Intuitap (Beaudoin) An Open-Label, Parallel, Randomized Study to Evaluate the Performance of Needle Placements for Diagnostic and Therapeutic Neuraxial Procedures, Using a Handheld Tactile Imaging-based Method Versus Palpation Role: Site Principal Investigator	2/1/2021 – 9/1/2021
Fujirebio Diagnostics, FDI-116 (Beaudoin) Prospective Sample Collection of Brain Natriuretic Peptide (BNP) for Manual and Automated Dilution Testing Role: Site Principal Investigator	6/1/20 – 10/1/20
MedMIRA Prospective Specimen Collection for the Reveal Rapid COVID-19 Total Antibody Test Validation Role: Site Principal Investigator	5/1/2020 – 10/1/2020
Icon QuikRead go® CRP POC Role: Site Principal Investigator	10/1/19 – 4/1/20
Pfizer, B5201002 (Beaudoin) Phase 3, Multicenter, randomized, double-blind, placebo-controlled, parallel- group study to evaluate the efficacy and safety of rivipansel (GMI-1070) in the treatment of vaso-occlusive crisis in hospitalized subjects with sickle cell disease Role: Site Principal Investigator	8/1/18 – 4/30/19
Kitotech Medical, KTM005 (Beaudoin) Evaluation of MicroMend Wound Closure Device to Close Skin Wounds Associated with Repair of Lacerations Role: Principal Investigator	2/1/18 – 1/31/19

Fujirebio Diagnostics, FDI-116 (Beaudoin)
 A Blood Collection from Patients Presenting with Suspected New Onset or
 Exacerbated Heart Failure
 Role: Site Principal Investigator

10/1/2017 – 8/1/18

UNIVERSITY TEACHING ROLES

Instructor EM 62-563: Emergency Medicine Clerkship	2010 – Present
Course Director PHP 1680K: Introduction to Conducting Clinical Research	2011 – 2018
Community Physician Mentor Bio 3640-3650: Doctoring Course I and II	2011 – 2014
Guest Lecturer PHP 1520: Emergency Medical Systems, Anatomy of Critical Performance	2011 – 2015
Small group leader/ Lecturer Bio 3661: Integrated Medical Sciences III: Clinical Epidemiology	2012 – 2017
Guest Lecturer, “Systematic reviews and evidence-based medicine” MED 2030, Research Methods in Population Medicine	2016 – 2018
Guest Lecturer, “Clinical trial design” PHP 2180 - Interpretation and Application of Epidemiology	2017
Guest Lecturer, “The opioid epidemic: past, present and future” PHP 320 – Introduction to Public Health	2019 – 2022
Course Instructor PHP 2950 – Doctoral Seminar in Public Health	2021, 2022
Guest Lecturer, “Addiction as a chronic disease” PHP 650 – From Manufacturer to Patient: Why is the Cost of Prescription Drugs So Darn High?	2022, 2023

FORMAL TRAINEE ADVISING AND MENTORSHIP

Undergraduates

Zelalem Adefris ('12)
 Charlie Lin ('13)
 Hillary Mulvey ('14)
 Macda Gerard ('14)
 Juliette Randazza ('18)
 Divya Santhanam ('19)
 Julia Marcus ('19, Public Health Honors Thesis Advisor)
 Jennifer Griffith ('22, Public Health Honors Thesis Advisor)
 Sarah Mansour ('23, BioMed Honors Thesis Advisor)

Medical Students

Jonathan Cruz ('14)
 Jason Lopez (MD '14)
 Steven Straube (MD '14)
 Adam Henderson (BS '13, MD '17)
 Daniel Cho (MD/ScM '23, ScM Thesis Advisor)
 Daniel Maclachan (MD '23)
 Sarah Arbaugh (MD/ScM '24, Thesis Advisor)
 Francesco Pappalardo (MD '25)

Graduate Students

Samuel Guan (MSc, Biostatistics '15, Research Mentor)
 Crystal Roach (MPH '15)
 Krissy Morgan (MPH '15)
 Wanting Zhai (MSc, Biostatistics '17, Thesis Committee)
 Alyssa Francis (MPH, '19, Thesis Advisor)
 Anna Wentz (PhD, Epidemiology '20)
 Yokabed Ashenafi (ScM Epidemiology '21, Thesis Committee)
 Rachel Gaither, MPH (PhD Epidemiology, '24 Anticipated, Research Mentor/ Dissertation Committee)
 Megan Cupp, MPH (PhD Epidemiology, '24 Anticipated, Research Mentor/ Dissertation Committee)
 Tenzin Yengchen, MS (PhD Epidemiology, '26 Anticipated, Academic Advisor)

Post-graduate Trainees

Michael Bernstein, PhD (K-grant Mentor 2019 – 2023, COBRE Project Mentor 2022 - 2025)
 Andrew Zullo, MD, PharmD (Advance CTR Pilot Project Mentor, 2019)
 Kelli Scott, PhD (K-grant Mentor 2021 – 2025)
 Taneisha Wilson MD, ScM (SAEM training grant 2021 – 2023)
 Melissa Pielech, PhD (F32 Mentor 2019 – 2021)
 Rachel Wightman, MD (COBRE Project mentor 2021 – 2024)

HOSPITAL TEACHING ROLES

Attending Physician Daily clinical teaching and supervision of residents and medical students Teaching Rounds: focused 10 minute academic presentations (~15-20/yr)	2010- Present
Instructor Brown University Emergency Medicine Residency, Research Elective	2011 – 2021 (Multiple months)
Resident Research Director Brown University Emergency Medicine Residency	2010 – 2013
Resident Advisor Brown University Emergency Medicine Residency Jilian Buhler, MD (2014); MD; Laura Gould, MD (2013); Adam Haag, MD (2018); Jaclyn Caffrey, MS (2019); Megan Barry, MD, PhD (2017); Kelly Wong, MD (2019, research mentor on resident grant award)	2010 – 2021

Course Director
Brown Emergency Medicine Journal Club

2018 - 2020