CURRICULUM VITAE Katelyn Moretti, MD

Brown Emergency Physicians 55 Claverick St. 2 nd Floor Providence, RI 02903 401-444-5141 Katelyn_Moretti@brown.edu	
EDUCATION	
Undergraduate	Siena College (Loudonville, NY) Sept 2005 to June 2009 BA Biology Alpha Kappa Alpha
Medical School	Albany Medical College (Albany, NY) July 2009 to June 2013 Doctor of Medicine Alpha Omega Alpha, Gold Humanism
Graduate	Brown University (Providence, RI) September 2018 to May 2020 Masters in Clinical and Translational Research
Other Certificates/Training	International Committee of the Red Cross (Ecogio, Switzerland) June 2019 Certificate in Health Emergencies in Large Populations
	The OpEd Project. "Write to Change the World" workshop series. July, 2020
POSTGRADUATE TRAINING	
Residency	University of Pittsburgh Medical Center (Pittsburgh, PA) July 2013 to July 2016 Emergency Medicine
Fellowship	Department of Emergency Medicine, Brown University (Providence, RI) Aug 2018 to June 2020 Global Emergency Medicine
POSTGRADUATE HONORS AND AWARDS	
2016	Peter Safar Award for Excellence in Research, University Pittsburgh Emergency Medicine Residency
2019	Global Emergency Medicine Association Young Physician of the Year Award, Society of Academic Emergency Medicine

2019	Rising Star Fellow Award, Brown Emergency Medicine
2020	Clinical Excellence Award, Brown Emergency Medicine, Miriam Hospital
2023	Rhode Island Medical Society "4 under 40" award.

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Board Certification 2017-present	American Board of Emergency Medicine
Medical Licensure 2017-present 2016-2017 2016-present	Rhode Island MD15749 Pennsylvania MD455886 DEA Controlled Substance Registration
ACADEMIC APPOINTMENTS 10/2017-present	Assistant Professor (Clinical), Alpert Medical School of Brown University
08/2018-07/2020	Global Health Fellow, Department of Emergency Medicine- Brown University
08/2018-present	Affiliated Fellow Brown University Watson Institute for International and Public Affairs Providence, RI
HOSPITAL APPOINTMENTS 06/2016-03/2017	Attending Physician St. Margaret's Hospital, Pittsburgh PA Emergency Department
10/2017-present	Attending Physician Rhode Island Hospital, Providence RI Anderson Emergency Center
10/2017-present	Attending Physician The Miriam Hospital, Providence RI Emergency Department
MEMBERSHIP in SOCIETIES	
2018-2019	SAEM Climate Change and Health Interest Group, Advocacy Committee Chair
2019-present	SAEM Climate Change and Health Interest Group,
2018-present 2018-present 2018-present 2016-preset	Co-chair. Global Emergency Medicine Academy (SAEM) Rhode Island Medical Society (RIMS) RIACEP Climate Change and Health, Founder and Co-Chair American Academy for Emergency Medicine

2013-present	American College of Emergency Physicians
2013-present	Society for Academic Emergency Medicine

PUBLICATIONS

- 1) **Moretti K**, Zink B, "Caught in a Double Bind: A Woman's Job Search Experience". Acad Emerg Med. 26: 347-349. 2019
- Moretti K, Patiño A, Aguiar L, Fricke A, Lippmann, M, Caffrey J, Gray A, Navedo M, Arbelaez C. "From Rhode Island to Colombia: Brown University Emergency Physicians Lead a Collaborative Consortium in a Post-Conflict Colombia". Rhode Island Medical Journal; Sept, 2019
- 3) Moretti K, González Marqués C, Garbern S, Mbanjumucyo G, Uwamahoro C, L. Beaudoin F, Amanullah S, Gjelsvik A, Aluisio A "Transfusion, Mortality and Hemoglobin Level: Associations Among Emergency Department Patients in Kigali, Rwanda". African Journal of Emergency Medicine. 10:2 68-73. 2020
- 4) Lang L, John Slate-Romano J, González-Marqués C, Uwamahoro C, Twagirumukiza F, Naganathan S, Moretti K, Jing L, Levine A, Stephen A, Aluisio A, "Evaluation of Blood Product Transfusion Therapies in Acute Injury Care in Low- and Middle-Income Countries: a Systematic Review". Injury. 51:7 1468-1476. 2020
- 5) Reynolds C, Aguiar L, **Moretti K**, Duarte A, Rosas Romero F, Patiño A, Fricke A, Zarama V, Moreno A, Carranza H, Arbelaez C. "Evaluating Emergency Physicians' Knowledge, Attitudes, and Experiences of FARC ex-combatants: A Pilot Study of Colombia's Emergency Medicine Teaching Hospitals". Journal of the American College of Emergency Physicians Open. May 2020
- 6) Salazar Mather, T. P., Gallo Marin, B., Medina Perez, G., Christophers, B., Paiva, M. L., Oliva, R., Hijaz, B. A., Prado, A. M., Jarquín, M. C., **Moretti, K.**, González Marqués, C., Murillo, A., & Tobin-Tyler, E. (2020). Love in the time of COVID-19: negligence in the Nicaraguan response. The Lancet. Global health, 8(6), e773. https://doi.org/10.1016/S2214-109X(20)30131-5
- 7) **Moretti K**, Musits A, Aluisio A, McGregor A, "Let's Get Persona: Academic Office Displays and Gender". The Permanente Journal. September 2020.
- 8) **Moretti K** "An Education Imperative: Integrating Climate Change Into the Emergency Medicine Curriculum". Academic Emergency Medicine Education and Teaching. October 2020
- 9) Karim N, Rybarczyk M, Jacquet G, Pousson A, Aluisio A, Bilal S, Moretti K, Douglas K, Henwood P, Kharel R, Lee J, MenkinSmith L, Moresky R, Gonzalez Marques C, Myers J, O'Laughlin K, Schmidt J, Kivlehan S. "COVID-19 Pandemic Prompts a Paradigm Shift in Global Emergency Medicine: Multidirectional Education and Remote Collaboration". Academic Emergency Medicine Education and Teaching. October 2020

- 10) Gonzalez Marques C, Moretti K, Amanullah S, Uwamahoro C, Ndebwanimana V, Garber S, Naganathan S, Martin K, Nyomiza J, Gjesvik A, Nkeshimana M, Levine A, Aluisio A. "Association Between Volume Resuscitation & Mortality Among Injured Patients at a Tertiary Care Hospital in Kigali, Rwanda". African Journal of Emergency Medicine. November 2020.
- 11) Moretti K, Uwamahoro D, Naganathan S, Uwamahoro C, Karim N, Nkeshimana M, Aluisio A. "Emergency Medicine Matters: Epidemiology of Medical Pathology and Changes in Patient Outcomes After Implementation of a Post-Graduate Training Program at a Tertiary Teaching Hospital in Kigali, Rwanda" International Journal of Emergency Medicine. January 2021;14(9)
- 12) Moretti K, Aluisio A, Gallo Marin B, Chen J, Gonzalez Marques C, Beaudoin F, Clark M, Patino A, Carranza H, Duarte A, Moreno A, Aguiar L, Arbelaez C. "Confidence and Knowledge in Emergency Management Among Medical Students Across Colombia: A Role for the BEC". *Accepted, PLOSone.*
- 13) Moretti K, Karb R, Durand R, Kobayashi L, Hayward A on behalf of the AED Green Team, "Wasting No Time: Implementation and the Climate Impact of a Solid Waste Stream in a Large Academic Emergency Department". Rhode Island Medical Journal, Nov 1; 104(9):34-37
- 14) Musits A, Merritt C, Petrone G, Merritt R, Brown L, Wing R, Smith J, Tubbs R, **Moretti K**, Clyne B "Faculty Support Bundle for Simulation Teaching". *Accepted, Clinical Teacher*.
- 15) *GEMLR Reviewer*: Trehan I, Kivlehan SM, Balhara KS, et al. Global Emergency Medicine: A Review of the Literature From 2019. Academic Emergency Medicine 2021;28(1):117–28.
- 16) Moretti K, Gallo Marin B, Amaya A, Medina Perez G, Levine AC, Garbern SC. "A Scoping Review of Non-Communicable Diseases and Maternal and Child Health Needs of Venezuelan Migrants in South America" Journal of Global Health Reports. Epub 2021 May 15. PMID: 34113721; PMCID: PMC8189345.
- 17) Hsu S, Banskota S, McCormick W, Capacci J, Bustamante C, Moretti K, Wiegn D, Denison Martin K, "Utilization of a Waste Wudit at a Community Hospital Emergency Department to Quantify Waste Production and Estimate Environmental Impact" The Journal of Climate Change and Health, Volume 4, 2021,
- 18) Moretti K, Gallo Marin B, Soliman L, Asselin L, Aluiso A, "Increased Temperatures are Associated with Increased Emergency Medical Services Utilization" Rhode Island Medical Journal, November 2021
- Reynolds, C W., Duarte A, Fricke A, Gómez Restrepo C, Patiño A, Arbelaez C, Moretti K, Aguiar L. 2022. "Supporting Healthcare Workers Caring for Ex-Combatants: Incentives among Colombian Providers with FARC Ex-Combatants." Global Public Health 0 (0): 1–17. <u>https://doi.org/10.1080/17441692.2022.2037150</u>.
- 20) Gonzalez Marques C, Mwemerashyaka L, Martin K, Tang O, Uwamahoro C, Ndebwanimana V, Uwamahoro D, **Moretti K**, Sarma V, Naganathan S, Jing L, Garbern S, Nkeshimana M,

Levine A, Aluisio A "Utilization of Peripheral Vasopressor Medications and Extravasation Events Among Critically Ill Patients in Rwanda: A Prospective Cohort Study" African Journal of Emergency Medicine." African Journal of Emergency Medicine 12(2): 154-159.

21) Moretti, K., Rublee, C., Robison, L., Aluisio, A., Marin, B. G., McMurry, T., & Sudhir, A. (2023). "Attitudes of US emergency medicine program directors towards the integration of climate change and sustainability in emergency medicine residency curricula" The Journal of Climate Change and Health, 9, 100199.

BOOK CHAPTERS

1) Murray K, **Moretti K**, Beuke L (2019) Cold Related Injuries and Treatment Strategies. In Progressive Cases in Emergency Medicine. Mcgraw-Hill Education.

ABSTRACTS:

National

- 1) **Moretti K,** Geary M "Establishment of a Mentorship Program Connecting Health Professional Students with Refugee Families". Family Medicine Regional Conference, Boston MA 2011
- 2) **Moretti K,** Akhtar, J "Inattention Blindness: The Case of the Missing Tooth". Diagnostic Error in Medicine 7th International Conference; Atlanta, GA, 2013
- 3) **Moretti K,** Suffoletto BS "Patient Factors Affecting Opiate Prescription Patterns for Emergency Department Visits in a Large US health-care System". ACEP National Meeting, Boston MA 2015
- 4) **Moretti K,** González Marqués C, Karim N, Garbern S, Martin K, Mbanjumucyo G, Levine A, Aluisio A. "Transfusion, Mortality and Hemoglobin Level: Associations Among Emergency Department Patients in Kigali, Rwanda". SAEM; Los Vegas, 2019
- 5) González Marqués, C, **Moretti K**, Karim,N, Garbern S, Martin K, Mbanjumucyo G, Levine A, Aluisio A. "Association Between Fluid Resuscitation and Mortality Among Trauma Patients at a Tertiary Care Hospital in Rwanda" SAEM; Los Vegas, 2019
- 6) **Moretti K,** González Marqués C, Karim N, Garbern S, Martin K, Mbanjumucyo G, Levine A, Aluisio A. "Epidemiology of Pathology and Outcomes among Medical Patients Receiving Emergent Care at a Tertiary Teaching Hospital in Kigali,Rwanda". Brown University EM Research Symposium; Providence, RI, May, 2019
- 7) Reynolds C, Aguiar L, Duarte A, Gomez C, Moretti K, Fricke A, Patino A, Pileilka L, Abelaez C "Barriers to Healthcare of FARC Ex-combatants: Qualitative Perspectives from Certified Healthcare Providers and FARC Health Promoters in Meta, Colombia." Oral Presentation: American Public Health Association Annual Meeting; Philadelphia, PA, Nov 2019.
- 8) Gonzalez Marques C, Mwemerashyaka L, Martin K, Uwamahoro C, Tang O, Naganathan S, Sharma V, Garbern S, **Moretti K**, Levine A, Aluisio A, "Peripheral Vasopressor Use and Extravasation Risk in Rwanda: A Prospective Cohort Study", SAEM; Denver, CO, 2020
- 9) Yang L, Romano, J, Gonzalez Marques C, Uwamahoro, C, Twagirumukiza, F, Naganathan S, Moretti K, Levine A, Stephen A, Aluisio A. "Evaluation of Blood Product Transfusion Therapies in Emergency and Acute Injury care in Low- and Middle-Income Countries: A Systematic Review", SAEM; Denver, CO, 2020
- 10) **Moretti K,** Musits A, Aluisio A, McGregor A, "Let's Get Personal: Academic Office Displays and Gender". NERDS; Wochester MA, 2020
- 11) **Moretti K**, Aluisio, A, Chen J, Navedo M, Gonzalez Marques C, Aguiar L, Vallejo J, Carranza H, Gallo Marin, B, Duarte, A, Clark M, Beaudoin F, Arbelaez, C "Knowledge and Confidence in the Treatment of Emergent Conditions Among Graduating Medical Students Across Colombia".

NERDS; Wochester MA, 2020

- 12) Gallo, Marin, B, Soliman L, Aluisio A, Asselin N, Herrera-Estrada J, **Moretti K** "Increased temperatures are associated with increased Emergency Medical Services utilization in Rhode Island" NERDS; virtual 2021.
- 13) Moretti, K, Rublee C, Robison L, Sudhir A "Survey of Emergency Medicine Program Directors' Attitudes Towards Climate Change and Sustainability" SAEM; virtual 2021
- 14) Hah M, Dorfman D, Hu D, Martin K, Moretti K "Analysis of Carbon Emissions and Costs from Disposal of Unused Supplies in Emergency Medicine" The Warren Alpert Medical School Research Symposium; Providence RI, 2022
- 15) Mackey, J, Genisca, A, Russel E, **Moretti K**, Crouse H, Cuz Y "Basic Emergency Care: A Model for Nationwide Rollout Utilizing Regional Teams" SAEM; Austin TX, 2023
- 16) Hu D, Martin K, Dorfman D, Hahn M, **Morett K** "A Novel Method to Reduce the Costs and Carbon Footprint of Unopened, Discarded Medical Supplies" SAEM, Austin TX, 2023

International

- 1) **Moretti K,** Akhtar J "Hickam's Dictum: How Wide a Net to Cast" Presented at 2nd International Conference on Clinical Reasoning; Montreal Canada 2014
- 2) Moretti K, González Marqués, C, Karim, N, MPH1; Garbern, S, Martin K, Mbanjumucyo, G, Levine, A, Aluisio, A. "Transfusion, Mortality and Hemoglobin Level: Associations Among Emergency Department Patients in Kigali, Rwanda" ICEM; Seoul, South Korea 2019
- 3) Moretti K, González Marqués C, Karim N, Garbern S, Martin K, Mbanjumucyo G, Levine A, Aluisio A. "Epidemiology of Pathology and Outcomes among Medical Patients Receiving Emergent Care at a Tertiary Teaching Hospital in Kigali,Rwanda". EMSSA; South Africa, November 2019.
- 4) Moretti K, Aluisio, A, Chen J, Navedo M, Gonzalez Marques C, Aguiar L, Vallejo J, Carranza H, Gallo Marin, B, Duarte, A, Clark M, Beaudoin F, Arbelaez, C "Knowledge and Confidence in the Treatment of Emergent Conditions Among Graduating Medical Students Across Colombia". ICEM; Buenos Aires, Argentina 2020

PRESENTATIONS

Local

- 1) March 2015. University of Pittsburgh Journal Club: "What to do When there is No CDU: Low Risk Chest Pain in the ED". UPMC Emergency Residency
- 2) May 2015. "Tachyarrhythmias/Bradyarrhythmias" University of Pittsburgh Grand Rounds,
- 3) January, 2018. Refugee Health Panel: Education Lecture. Warren Alpert Medical School, Brown University
- 4) March, 2018. Educational Lecture: "Toxic Plants" Wilderness Medicine Course, Warren Alpert Medical School, Brown University
- 5) June, 2018. Educational Lecture: "Lateral Canthotomy" Intern Cadaver lab, Brown Emergency Residency
- 6) August 2018. Educational Lecture: "Hypothermia in the Field" MEDWARS, Brown Emergency Residency
- 7) April, 2019. Global Health Services Panel: Education Lecture. Warren Alpert Medical School, Brown University

- 8) April, 2019. Simulation Session: "Visual Diagnosis: Identification of Global Health Skin Findings". Brown Emergency Residency
- 9) July, 2020. Educational Lecture: "Lateral Canthotomy" Intern Cadaver lab, Brown Emergency Residency
- 10) October 2020. Invited conference lecture, Kent Hospital Rhode Island. "Three Reasons Why Climate Change is a Crisis RIGHT NOW".
- 11) September 2021. Invited panelist, Brown University "Disinformation and Academia. Climate, COVID, and Social Networks" Scholars at Brown for Climate Action
- 12) December 2021. Invited presentation "Climate Change & Health in Rhode Island: Physicians' Response". Primary Care Physician Advisory Committee.
- 13) March 2022. Invited presentation "Population and Clinical Medicine Environmental Justice and Medicine". Warren Alpert Medical School PCPM longitudinal course.
- October 2023. Invited presentation "Community-Driven Coastal Climate Research & Solutions(3CRS) Hub for the Resilience of New England Coastal Populations" Environmental Public Health Tracking Meeting. RI Department of Health

National

- 1) October 2019. ACEP Ambassador Conference Coordinator.
- 2) July 2020. SAEM Climate Change and Health Journal Club. Review of "Association of Air Pollution and Heat Exposure With Preterm Birth, Low Birth Weight, and Stillbirth in the US. A Systematic Review"
- 3) April 2021. SAEM Climate Change and Health Group "Global Collaboration for a Healthy Environment"

International

1) November, 2019. EMSSA "Transfusion, Mortality and Hemoglobin Level: Associations Among Emergency Department Patients in Kigali, Rwanda"

OTHER PUBLICATIONS

- 1) Arbelaez C, Chen CJ, Acharya H, Cochon L, Gaden A, **Moretti K**, Devos E, Patiño A, "Seventh Annual ACEP International Ambassador Conference Proceedings." American College of Emergency Medicine Physicians, International Section Website, 2019.
- 2) Patiño A, Maldonado A, Kearney A, Gallo B, **Moretti K**. "Abstracts from the First Forum About the Future of Emergency Medicine in Ecuador." WestJEM Online. 2020
- 3) Climate Change and Emergency Medicine. A 10-day intensive curriculum on climate change and emergency medicine. Rublee C, Giudice C, **Moretti K**, Martin K, Musits A. Published December 2022: https://www.aliem.com/climate-change-emergency-medicine/
- 4) Jalbert, M., & Moretti, K. "Bill is Coming Due for Health Care Costs of Climate Change." The Providence Journal. September 24, 2023

CONGRESSIONAL TESTIMONY

1) April 26, 2023: Testimony before the Senate Committee on the Budget "Under the Weather: Diagnosing the Health Costs of Climate Change". Invited expert witness to discuss the impacts of climate change on health and healthcare economics.

GRANT FUNDING

- Brown Emergency Medicine Innovation Grant "Colombia Collaborative Consortium Initiative" \$7000.00 Role: Faculty PI, Funding Period 11/01/2018-11/01/2019.
- Brown University Faculty Lectureship Award "Emergency Medicine in Post Conflict Colombia" \$3000.00 Role: Faculty Lead, Funding Period 09/2019-09/2020
- 3) UTRA "A Review of Health and Health Needs amongst Venezuelan Migrants within Bordering Host Countries, 2016 to Present" \$3000.00 Role: Faculty Mentor, Funding Period 06/2020-09/2020.
- 4) United States Department of Defense 06/2020-05/2021
 Convalescent Plasma to Stem Coronavirus: A Randomized Controlled Double Blinded Phase 2 Study Comparing the Efficacy and Safety of Human Coronavirus Immune Plasma versus control among Adults Exposed to COVID-19 (PI: Shoham)
 Convalescent Plasma to Limit Coronavirus Associated Complications: A Randomized, Double-Blind, Controlled, Phase 2 Study Comparing the Efficacy and Safety of Human Coronavirus Immune Plasma versus Control Plasma Among Outpatients with Symptomatic COVID-19 (PI: Sullivan)
 Grant Number: W911QY2090012
 Role: Sub-Investigator \$829,855 total subaward costs
- 5) Regeneron Pharmaceuticals 09/2020-08/2021
 A Master Protocol Assessing the Safety, Tolerability, and Efficacy of Anti-Spike (S) SARS-CoV-2
 Monoclonal Antibodies for the Treatment of Ambulatory Patients with COVID-19
 Grant Number: R10933-10987-COV-2067
 Role: Sub-Investigator
- 6) Fogarty International 09/1/22-05/31/23
 Development of a Mobile Health Personalized Physiologic Analytics Tool for Pediatric Patients with Sepsis.
 Grant Number: R21 TW012211-02S1
 Role: Co-investigator \$122,995 (R21 Administrative Supplement)
- 7) Office of the Vice President for Research Seed Award 02/2023-08/2024
 "Bayesian Modeling of Climate-Dependent Mortality Risk among US Residents from 1989 to 2020". \$34,571

Role: co-primary investigator.

8) National Science Foundation RII Track-2 FEC 08/2023-07/2027
"Community-Driven Coastal Climate Research & Solutions for the Resilience of New England Coastal Populations"
Grant Number: 2316271
\$6,000,000.00 total award costs Role: co-investigator

2009-2013	Albany Medical Commitment to Refugees and Immigrants Founder and President Mentored 15 medical students as they worked with newly arrived refugee families with increased medical demands.
Fall, 2018	Pham, Tran Minh Thu Role: Faculty Sponsor, independent study: INTL 1970: The Politics and Economics of Humanitarian Assistance. 1 hour teaching sessions per week x Fall semester, 2018.
March, 2019	Instructor: WHO Basic Emergency Care Course, Belize City, Belize.
January 2020-present	Instructor: Approach to the Acutely Decompensated Patient. Alpert Warren Medical School Sim based cases 3 hour teaching sessions x 4 sessions.
February 2020	Hack for Humanity Mentor Day-long hackathon for undergraduate brown students in responses to refugee and migrant health leading to poster presentation and grant proposal.
August 2020-present	Brown Emergency Medicine Residency Journal Club Co-lead
August 2020-present	EPS. Faculty co-lead. Procedural skills course for 2 nd year medical students. Provided oversight for resident instructors.
September 2020-present	Civilian-Military Humanitarian Climate Change Working Group. Center Human Rights and Humanitarian Studies, Brown University and the U.S. Naval War College.
October 2021-present	Live Animal Procedure Lab. Brown Emergency Medicine Residency Instructor.
March 2020-March 2021	CHRH/Project Hope COVID Preparedness Training of the Trainers, Course Developer and Instructor. COVID-19 training course developed and administered to trainers around the world in over 55 countries. Over 4,000 trainers trained have gone on to administer the course to more than 80,000 participants.

January 2021	Climate Change and & Health Interest Group 50 State Challenge. Developer. Initiative to engage and connect climate researchers, activists and influencers to emergency physicians nationwide.
March 2021	SAEM Climate Change and Health QI/Research Mentorship Program, Developer.
Mentoring	
Sept 2018-Feb 2019	Yang, Lanbo; Doctoring Student. Clinical mentorship
Sept 2018- June 2019	Pileika, Lindsey; Medical Student. Research mentorship
September 2018-present	Sarah Hsu; Medical Student. Research mentorship.
October 2018-July 2019	Navedo, Maria; Medical Student. Research mentorship
October 2018-present	Chen, Jeffrey; Emergency Medicine Resident. Research mentorship.
July 2019-present	Gallo, Benjamin; Medical Student. Research mentorship.
July 2019-present	Sarah Kaelin; Medical Student. Research mentorship.

Hannah Thomas; MPH Masters Student. Research mentorship.

Luke Solimon; Medical Student. Research mentorship John Nicklas; Medical Student, PhD candidate. Research mentorship.

David Dorfsman; Medical Student. Research mentorship.

Revised: October, 2023

May 2020-September 2020

August 2020-2022

August 2022-present

August 2022-present