

September 25th, 2023

CURRICULUM VITAE  
NAZ KARIM MD, MSc, MHA, MPH

Brown University Alpert Medical School  
Department of Emergency Medicine  
593 Eddy Street, Claverick 274  
Providence, RI 02903  
(M) (312)-402-5208  
(F) (401)-444-4307  
[Naz\\_Karim@brown.edu](mailto:Naz_Karim@brown.edu)

**EDUCATION**

Undergraduate	University of Texas at Austin Neurobiology Aug 2001 to June 2006 Bachelors of Science in Biology, 2006
Medical School	Chicago Medical School Aug 2007 to June 2011 Doctor of Medicine, 2011
Other Degrees	Rosalind Franklin University of Medicine and Science Biomedical Sciences Aug 2006 to May 2007 Master of Science in Biomedical Sciences, 2007  Rosalind Franklin University of Medicine and Science Healthcare Administration and Management May 2007 to August 2011 Master of Science in Healthcare Administration and Management, 2011  Brown University School of Public Health August 2014 to July 2016 Master of Public Health (International Health Track)

**POSTGRADUATE TRAINING**

Residency	West Virginia University Hospital West Virginia Emergency Medicine Residency July 2011 to June 2014 Emergency Medicine
Fellowship	Brown University Alpert Medical School Global Emergency Medicine Fellowship August 2014 to July 2016

## **OTHER EDUCATION / TRAINING**

2021 Brown Geographic Information Systems (GIS) Institute  
GIS S4 Course, Training in Geospatial Research  
2 week course

## **UNDERGRADUATE HONORS AND AWARDS**

2002 National Society of Collegiate Scholars Award  
2002 University Honors and Dean's List  
2004 University Honors and Dean's List  
2004 Primary Grade Excellence in Teaching Award  
2005 University Honors and Dean's List  
2006 University Honors and Dean's List

## **POSTGRADUATE HONORS, AWARDS, RECOGNITION**

2008 Female Student Leadership Award  
Chicago Medical School  
2008 Leadership and Mentorship Award  
Chicago Medical School  
2008 Student Council Service Award  
Chicago Medical School  
2011 Outstanding Dual Degree Student Award  
Chicago Medical School  
2014 Patient Advocate Award  
WVU Emergency Medicine Residency  
2014 November Patient's Hero Recognition  
Miriam Hospital  
2015 March Patient's Hero Program Recognition  
Miriam Hospital  
2015 April Patient's Hero Program Recognition  
Miriam Hospital  
2016 Distinguished Alumni Recognition  
Helix Magazine  
Rosalind Franklin University  
2016 Kudos UEMF Newsletter  
University Emergency Medicine Foundation  
2018 Certificate of Recognition for Outstanding Contribution to Enhancing Patient  
Experience  
Miriam Hospital  
2020 Miriam Gold Recognition  
2020 Department of Emergency Medicine Foundation Leadership Award  
2021 Miriam Compliment to Medical Directors  
2021 SAEM GEMA Emergency Medicine Globalization and Advancement Award  
2021 SAEM SAEMMY Research Award nominee for  
SAEM-AEUS Top 2 International Research Manuscript  
2021 Brown Emergency Medicine Team Building Award  
2021 Brown Emergency Medicine Outstanding Service Recognition During COVID19  
2021 Department of Emergency Medicine Community Impact Award

2022 Top 10 Downloaded Article During its First 12 Months of Publication, Wiley  
2022 Rhode Island Physician Award  
2022 Kudos, Brown Division of Global Emergency Medicine  
2023 Kudos, Brown Division of Global Emergency Medicine

### **PROFESSIONAL LICENSES AND CERTIFICATION**

2011 Medical License, West Virginia Board of Medicine  
2011 Advanced Trauma Life Support  
2013 Basic Life Support  
2013 Advanced Cardiovascular Life Support  
2013 Pediatric Advanced Life Support  
2014 Medical License, Rhode Island Board of Medicine  
2014 Basic Security in the Field, United Nations Department of Basic Safety and Security  
2015 Humanitarian Assistance: Health Emergencies in Large Populations, ICRC and WHO  
2016 Medical License, Rhode Island Board of Medicine  
2014 American Board of Emergency Medicine  
2018 Medical License renewed, Rhode Island Board of Medicine

### **ACADEMIC APPOINTMENTS**

2016 – 2023 Assistant Professor, Teaching Scholar  
Warren Alpert Medical School  
Department of Emergency Medicine  
2023 Associate Professor, Teaching Scholar  
Warren Alpert Medical School  
Department of Emergency Medicine

### **HOSPITAL APPOINTMENTS**

2011-2014 Resident Physician  
Department of Emergency Medicine, WVU Hospital  
Morgantown, West Virginia  
2014-2015 Aeromedical Flight Physician  
Department of Emergency Medicine, WVU Hospital  
Morgantown, West Virginia  
2014- Present Attending Physician  
Department of Emergency Medicine, Miriam Hospital

Providence, Rhode Island

2014- Present      Attending Physician  
 Department of Emergency Medicine, Rhode Island Hospital  
 Providence, Rhode Island

2023 – Present      Attending Physician  
 Department of Emergency Medicine, Fatima and RW Hospital  
 North Providence, Rhode Island

**DEPARTMENTAL APPOINTMENTS**

2016 - 2018      Associate Fellowship Director  
 Global Emergency Medicine Fellowship, Brown University  
 Providence, Rhode Island

2018 – Present      Fellowship Director  
 Global Emergency Medicine Fellowship, Brown University  
 Providence, Rhode Island

2020 – 2021      Lead Physician  
 Directed, Created and Organized Telehealth Training for BEM Faculty  
 Department of Emergency Medicine  
 Brown Emergency Medicine  
 Providence, Rhode Island

2021 - 2022      Board of Directors  
 Department of Emergency Medicine  
 Brown Emergency Medicine  
 Providence, Rhode Island

2022 - Present      Nominating and Governance Committee  
 Department of Emergency Medicine  
 Brown Emergency Medicine  
 Providence, Rhode Island

**UNIVERSITY APPOINTMENTS**

2018 –Present      Instructor  
 PHP 1520: Emergency Medical Systems: An Anatomy of Critical  
 Performance  
 Brown University Undergraduate Course

2015- 2023      Adjunct Professor at Bryant University  
 Physician Assistant Program  
 Smithfield, Rhode Island

## **NATIONAL APPOINTMENTS**

2019 - 2020	<b>Executive Board: Member at Large appointment</b> Society of Academic Emergency Medicine (SAEM) Global Emergency Medicine Academy (GEMA)
2020-2021	<b>Treasurer</b> Global Emergency Medicine Fellowship Consortium (GEMFC)
2019 - Present	<b>Chair of WHO BEC Taskforce</b> Society of Academic Emergency Medicine (SAEM) Global Emergency Medicine Academy (GEMA)
2019 – 2023	<b>Director of Global Village Project</b> American College of Emergency Physicians (ACEP) International Section
2022 - 2023	<b>President-elect</b> Society of Academic Emergency Medicine (SAEM) Global Emergency Medicine Academy (GEMA)
2023 - Present	<b>President</b> Society of Academic Emergency Medicine (SAEM) Global Emergency Medicine Academy (GEMA)

## **OTHER APPOINTMENTS**

2007-2008	President Biomedical Sciences Council of the Chicago Medical School North Chicago, Illinois
2007-2011	Chicago Medical School Biomedical Sciences Tutor and Mentor Rosalind Franklin University of Medicine and Science North Chicago, Illinois
2008-2009	President South Asian Medical Association of the Chicago Medical School North Chicago, Illinois
2012-2013	Resident Director of Recruitment Office of Residency Recruitment

	Morgantown, West Virginia
2012-2013	Resident Instructor of the HealthNet Aeromedical Airway Training Course Emergency Medicine Morgantown, West Virginia
2012-2014	Resident Instructor of the Ultrasound Training Course Emergency Medicine Morgantown, West Virginia
2012-2014	Resident Instructor of the Wound Care Training Course Emergency Medicine Morgantown, West Virginia
2015-2017	Brown Residency Intern Mentorship Program Emergency Medicine Brown Alpert Medical School Providence, Rhode Island
2017 – 2020	PCPM Mentor Primary Care Population Medicine Mentor Brown Alpert Medical School Providence, Rhode Island
2017 – Present	Doctoring Mentor Doctoring Program Brown Alpert Medical School Providence, Rhode Island
2018 – Present	Medical School Mentor Chicago Medical School North Chicago, Illinois

## **COMMITTEES**

2013-2014	Resident Representative Member Healthcare Disparities Committee for the Graduate Medical Office West Virginia School of Medicine
2014- 2016	Brown University Curriculum Committee Member Master in Public Health Program Providence, Rhode Island
2016- Present	Medical Education Committee Member Department of Emergency Medicine Alpert Medical School of Brown University Providence, Rhode Island

2016- Present	Fellowship Directors Committee Member Department of Emergency Medicine Alpert Medical School of Brown University Providence, Rhode Island
2016- Present	Fellowship Annual Program Evaluation Committee Chair Department of Emergency Medicine Alpert Medical School of Brown University Providence, Rhode Island
2022- Present	Nominating and Governance Committee Member Department of Emergency Medicine Alpert Medical School of Brown University Providence, Rhode Island

### **MEMBERSHIP AND LEADERSHIP IN SOCIETIES**

#### American College of Emergency Physicians (ACEP)

2006 - Present	Member
2014 - Present	Member, International Section
2019 – 2023	ACEP International Board Member
2019 – 2023	Director of Global Village Project

#### Global Emergency Medicine Academy (GEMA)

2015- Present	Member
2018- 2019	Global EM Mentor
2019 - 2020	Executive Board: Member at Large appointment
2019- 2020	GEMA-ACEP International Section Collaboration Committee Appointment
2019 - 2020	WHO GEMA liason for WHO BEC sponsorship at SAEM
2019- 2020	Global Physician Sponsorship subcommittee
2020 - Present	GEMA Fellowship Committee, member
2019 - Present	Chair of WHO BEC Taskforce
2021	GEMA-GEMFC Committee, board member
2021	Nominated for President of GEMA
2022	Nominated for President of GEMA
2022 - Present	GEMA Diversity and Inclusion Committee Member
<b>2022</b>	<b>President-elect</b>
<b>2023</b>	<b>President</b>

#### Rhode Island Medical Society (RIMS)

2014 – 2023	Member
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Office of Women in Medicine (OWIM)  
2014 - 2017           Mentor

Global Emergency Medicine Fellowship Consortium (GEMFC)  
2016- Present        Member  
2020-2021            Treasurer

Academy for Women in Academic Emergency Medicine (AWAEM)  
2017-Present        Member  
2019 -2022         GEMA – AWAEM Liaison for global physician sponsorship  
2019 - Present     Global Health Committee Member  
2020 – Present     GEMA – AWAEM Awards Committee

Consortium of Universities for Global Health (CUGH)-Emergency Medicine Session  
2019                 Organizing Committee  
Chicago, Illinois

African Federation for Emergency Medicine (AFEM)  
2014-2023         Member  
2017-2023         Out of Hospital Emergency Care Committee (OHEC)

Northeast Regional Didactic Series (NERDS)  
2022                 Session Moderator for panel discussion  
2022                 Session Moderator for Clinical Operations

## **COMMUNITY ENGAGEMENT AND SERVICE**

1999-2008           Community Primary Grade Instructor  
Education Center of Austin and Chicago  
Austin, Texas and Chicago, Illinois

2007-2008           Presenter and volunteer  
Diabetes Education, Health Board of the Midwest  
Chicago, Illinois

2007-2008           Medical Volunteer  
International Service Learning  
Juamave, Mexico

2007-2008           Tutor for Biomedical Sciences  
Chicago Medical School  
North Chicago, Illinois

2008-2009	Medical Volunteer International Service Learning Kibosho, Tanzania
2009-2011	Organizer and Volunteer Medical Station, Annual Partnership Walk Chicago, Illinois
2023-Present	Street Medicine Brown Emergency Medicine Providence, Rhode Island

### **BROWN EMERGENCY MEDICINE SERVICE**

2019	Brown Emergency Medicine Representative Advisor for BEM Mentorship Program Department of Emergency Medicine Brown Emergency Medicine Providence, Rhode Island
2020 – 2021	Lead Physician Directed, Created and Organized Telehealth Training for BEM Faculty Department of Emergency Medicine Brown Emergency Medicine Providence, Rhode Island
2020	Brown Emergency Medicine Efficiency Committee - Advisor Department of Emergency Medicine Brown Emergency Medicine Providence, Rhode Island
2021 - 2022	Board of Directors Department of Emergency Medicine Brown Emergency Medicine Providence, Rhode Island
2022 - Present	Nominating and Governance Committee Department of Emergency Medicine Brown Emergency Medicine Providence, Rhode Island

### **ONGOING RESEARCH**

2022	Needs Assessment within the Prehospital care system in Rwanda
2023	Needs Assessment and Delivering the WHO BEC course in Rwanda

**ORIGINAL PEER REVIEWED PUBLICATIONS**

1. Mbanjumucyo, G., George, N., Kearney, A., **Karim, N.**, Aluisio, A.R., Mutabazi, Z., Umuhire, O., Enumah, S., Scott, J.W., Uwitonze, E. and Nyinawankusi "Epidemiology of injuries and outcomes among trauma patients receiving prehospital care at a tertiary teaching hospital in Kigali, Rwanda." *African Journal of Emergency Medicine* 6.4 (2016): 191-197.
2. Kearney, A.S., Kabeja, L.M., George, N., **Karim, N.**, Aluisio, A.R., Mutabazi, Z., Uwitonze, J.E., Nyinawankusi, J.D.A., Byiringiro, J.C. and Levine, A.C. "Development of a trauma and emergency database in Kigali, Rwanda." *African Journal of Emergency Medicine*, 2016. 6(4), pp.185-190.
3. Aluisio, A, Umuhire, O, Mbanjumucyo, G, George, N, Kearney, A, **Karim, N**, Nyinawankusi, J.D.A., Uwitonze, E., Enumah, S., Scott, J.W. and Mutabazi, Z. "Epidemiologic Characteristics of Pediatric Trauma Patients Receiving Prehospital Care in Kigali, Rwanda". *Pediatric Emergency Care* 2017.
4. Mbanjumucyo, G., George, N., Kearney, A., **Karim, N.**, Umuhire, O., Aluisio, A., Nyinawankusi, J.D.A., Byiringiro, J.C. and Levine, A.C. Characteristics and Outcomes of Patients Receiving Prehospital Care in Kigali, Rwanda. *Academic Emergency Medicine*, 2016, 23, p.S97.
5. Kearney AS, Kabeja LM, George N, **Karim N**, Aluisio AR, Mutabazi Z, Uwitonze JE, Nyinawankusi JD, Byiringiro JC, Levine AC. Development of a trauma and emergency database in Kigali, Rwanda. *Global Research Highlights. Annals of Emergency Medicine* May 2017, Volume 69, Issue 5 , A18 - A20.  
DOI: <http://dx.doi.org/10.1016/j.annemergmed.2017.03.034>
6. Kobayashi, L, Zhang XC, Collins S, **Karim, N**, Merck D. Exploratory Application of Augmented Reality/Mixed Reality Devices for Acute Care Procedure Training. *Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health (WestJEM)*, 158–164. <https://doi.org/10.5811/westjem.2017.10.35026> Accepted October 29th, 2017.
7. Aluisio, A., Umuhire, O.F., Mbanjumucyo, G., George, N., Kearney, A., **Karim, N.**, Nyinawankusi, J.D., Uwitonze, E., Enumah, S., Scott, J.W. and Mutabazi, Z., 2017. Epidemiologic Characteristics of Pediatric Trauma Patients Receiving Prehospital Care in Kigali, Rwanda. *Pediatric emergency care* 35(9), 630-636, LWW, Jan 2019.
8. Aluisio AR, Barry MA, Martin KD, Mbanjumucyo G, Mutabazi ZA, **Karim N**, Moresky RT, Nyinawankusi JD, Byiringiro JC, Levine AC. Impact of emergency medicine training implementation on mortality outcomes in Kigali, Rwanda: An interrupted time-series study. *African Journal of Emergency Medicine* 9(1), 14-20, Elsevier, Jan 2019.

9. Mattson P, Nteziryayo E, Aluisio AR, Henry M, Rosenberg N, Mutabazi ZA, D'Arc Nyinawankusi J, **Karim N**. Musculoskeletal Injuries and Outcomes Pre and Post Emergency Medicine Training Program. *Western Journal of Emergency Medicine*. 2019 Nov; 20(6): 857.
10. Moretti, K., Uwamahoro, D. L., Naganathan, S., Uwamahoro, C., **Karim, N.**, Nkeshimana, M., & Aluisio, A. R. (2020). 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.
11. Uwamahoro C, Aluisio AR, Chu E, Reibling E, Mutabazi Z, **Karim N**, Byiringiro JC, Levine AC, Guptill M. Evaluation of a modified South African Triage Score as a predictor of patient disposition at a tertiary hospital in Rwanda. *African Journal of Emergency Medicine*. 2020 Mar 1;10(1):17-22.
12. Tang OY, González Marqués C, Ndebwanimana V, Uwamahoro C, Uwamahoro D, Lipsman ZW, Naganathan S, **Karim N**, Nkeshimana M, Levine AC, Stephen A. Performance of Prognostication Scores for Mortality in Injured Patients in Rwanda. *Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health*. 2021 Jan 22.
13. Moretti K, Uwamahoro DL, Naganathan S, Uwamahoro C, **Karim N**, Nkeshimana M, Aluisio AR. 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*. 2021 Dec;14(1):1-9.
14. **Karim, N.**, Jing, L., Lee, A., Kharel, R. Lubetkin, D., Clancy, C., Uwamahoro D., Nahayo E., Joseph B., Aluisio A., Ndebwanimana, V. Lessons Learned from Rwanda: Innovative Strategies for Prevention and Containment of COVID-19. *Annals of Global Health*. 2021; 86(1): X, 1–9. DOI: <https://doi.org/10.5334/aogh.3172>
15. **Karim, N.**, Rybarczyk, M.M., Jacquet, G.A., Pousson, A., Aluisio, A.R., Bilal, S., Moretti, K., Douglass, K., Henwood, P.C., Kharel, R., Lee, J.A., MenkinSmith, L., Moresky, R.T., Gonzalez Marques, C., Myers, J.G., O'Laughlin, K.N., Schmidt, J. and Kivlehan, S.M. COVID-19 Pandemic Prompts a Paradigm Shift in Global Emergency Medicine: Multidirectional Education and Remote Collaboration. *AEM Education and Training*. 2021 Jan;5(1):79-90. <https://doi.org/10.1002/aet2.10551>
16. **Karim, N.**, Mumporeze, L., Nsengimana, V.J., Gray, A., Kearney, A., Aluisio, A.R., Mutabazi, Z., Baird, J., Clancy, C.M., Lubetkin, D. and Nyinawankusi, J.D., 2021. Epidemiology of Patients with Head Injury at a Tertiary Hospital in Rwanda. *Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health*, 22(6).
17. Lee JA, Kharel R, Naganathan S, **Karim N**, Aluisio AR, Levine AC. Frameworks for Global Health Collaboration in Pandemic Disease. *R I Med J* (2013). 2022 Mar 1;105(2):33-37. PMID: 35211708.

18. Kivlehan SM, Rybarczyk MM, Genisca AE, Lubetkin D, Kharel R, Lee JA, Michaeli N, Hynes EJ, Dixon J, Leifer N, **Karim N**. Comparative Effectiveness of an In-Person and a Virtual Basic Emergency Care Instructor Course. *Annals of Global Health*. 2022 May;88(1).
19. Muragizi J, Guptill M, Dumitriu BG, Henry MB, Aluisio AR, Nzabandora JP, Manirafasha A, Baird J, Morretti K, **Karim N**. Analgesia use in trauma patients at a university teaching hospital in Kigali, Rwanda. *African Journal of Emergency Medicine*. 2023 Sep 1;13(3):147-51.
20. Dozois A, Gonzalez Marques C, Thilakasiri K, Adebisi A, Leanza J, Rybarczyk M, Depp T, Wieland T, **Karim N**, Muchatuta M, Ali F. A Toolkit for Decolonizing Global Emergency Medicine Education. In *Frontiers in Education* 2023 Sept 8 (Vol. 8, p. 1214904). *Frontiers*.

### **Corporate Authorship or Multicenter Trials**

1. Sullivan DJ, Gebo KA, Shoham S, Bloch EM, Lau B, Shenoy AG, Mosnaim GS, Gniadek TJ, Fukuta Y, Patel B, Heath SL. Early outpatient treatment for Covid-19 with convalescent plasma. *New England Journal of Medicine*. 2022 May 5;386(18):1700-11.

### **BOOKS AND CHAPTERS**

1. **Karim N**. "General Approach to the Trauma Patient". Rwandan Ministry of Health: Emergency Medicine Clinical Guideline for District Hospitals. 2015.
2. **Karim N**. "Penetrating Injury". Rwandan Ministry of Health: Emergency Medicine Clinical Guideline for District Hospitals. 2015.
3. **Karim N**. "Head Trauma". Rwandan Ministry of Health: Emergency Medicine Clinical Guideline for District Hospitals. 2015.
4. **Karim N**. "Maxillofacial Trauma". Rwandan Ministry of Health: Emergency Medicine Clinical Guideline for District Hospitals. 2015.
5. **Karim N**. "Chest Trauma". Rwandan Ministry of Health: Emergency Medicine Clinical Guideline for District Hospitals. 2015.
6. **Karim N**. "Abdominal Trauma". Rwandan Ministry of Health: Emergency Medicine Clinical Guideline for District Hospitals. 2015.
7. **Karim N**. "Pelvic Trauma". Rwandan Ministry of Health: Emergency Medicine Clinical Guideline for District Hospitals. 2015.
8. **Karim N**. "Spinal Injuries". Rwandan Ministry of Health: Emergency Medicine Clinical Guideline for District Hospitals. 2015.

9. **Karim N.** "Minor Wound Care". Rwandan Ministry of Health: Emergency Medicine Clinical Guideline for District Hospitals. 2015.
10. **Karim N.** "Trauma in Pregnancy". Rwandan Ministry of Health: Emergency Medicine Clinical Guideline for District Hospitals. 2015.
11. **Karim N.** "Trauma in Pediatrics". Rwandan Ministry of Health: Emergency Medicine Clinical Guideline for District Hospitals. 2015.
12. **Karim N.** "Procedure Guide: Incision and Drainage". Rwandan Ministry of Health: Emergency Medicine Clinical Guideline for District Hospitals. 2015.

## **ABSTRACTS**

1. Davidov D, **Karim N**, Davis S. "Sexual Violence in the Emergency Department: National Estimates and Visit Characteristics". Presented at the GME Research Day. Morgantown, WV, 5/2014.
2. **Karim N**, George N, Kearney A, Mbanjumucyo G, Nyinawankusi JD, Byiringiro JC, Levine AC. "Epidemiology of Injuries and Outcomes among Trauma Patients Receiving Prehospital Care at a Tertiary Teaching Hospital in Kigali, Rwanda". Presented at Brown Research Symposium, Providence, Rhode Island, 5/2016.
3. **Karim N.** "Prehospital Morbidity and Mortality in Rwanda". Presented at Brown Emergency Medicine Research Day, Providence, Rhode Island, 5/2016.
4. Mbanjumucyo G, George N, Kearney A, **Karim N**, Aluisio A, Mutabazi Z, Umuhire O, Enumah S, Scott J, Uwitonze, Nyinawankusi J, Byiringiro JC, Ntakiyiruta G, Jayaraman S, Riviello R, Levine AC. Characteristics and Outcomes of Patients Receiving Prehospital Care in Kigali, Rwanda. Presented at ICEM South Africa 4/2016 and SAEM Boston, Massachusetts 5/2016.
5. George N, Kearny A, **Karim N**, Levine AC, Nyinawankusi J, Byiringiro JC. Development of a Trauma and Emergency Database in Kigali, Rwanda. Presented at NERDS Boston 3/2016 and ICEM South Africa 4/2016.
6. George N, Kearny A, **Karim N**, Levine AC, Nyinawankusi J, Byiringiro JC. Characteristics of Pediatric Trauma Patients Receiving Prehospital Care in Rwanda. Presented at NERDS Boston 3/2016 and ICEM south Africa 4/16.
7. **Karim N.** "Alcohol Use and the Epidemiology of Prehospital Patients with Head Injury at a Tertiary Hospital in Rwanda". Presented at African Conference of Emergency Medicine, Egypt, 11/2016.

8. Aluisio AR, Umuhire O, Mbanjumucyo G, Kearney A, **Karim N**, Nyinawankusi JD, Byiringiro JC, Levine AC. Characteristics and Outcomes of Adult Patients Receiving Emergency Care in Kigali, Rwanda. Presented at African Conference of Emergency Medicine, Cairo, Egypt, 11/2016.
9. Aluisio AR, Mbanjumucyo G, Barry MA, **Karim N**, Levine AC. "Impact of Implementation of Emergency Medicine Training on Emergency Department Mortality in Kigali, Rwanda: An Interrupted Time-Series Quasi-Experimental Design." *Annals of Emergency Medicine*, 2017; 70(4S): S78. 17 Presented at the American College of Emergency Physicians Scientific Assembly, Washington DC, 10/2017.
10. **Karim N**, Morretti K, Mumporeze L, Nsengimana V, Gray, A, Aluisio AR, Jeanne Nyinawankusi JD, Byiringiro JC, Levine AC. Epidemiology of Trauma Patients with Head Injury at a Tertiary Hospital. Presented at the New England Regional Meeting for SAEM, Worcester, MA, 3/2018.
11. **Karim N**. "Alcohol Use and the Epidemiology of Prehospital Patients with Head Injury at a Tertiary Hospital in Rwanda". Presented at Society of Academic Emergency Medicine (SAEM) Conference, Indiana, 5/2018.
12. **Karim N**, Gonzalez-Marques C, Zhang A, Baird J, Uwitonze JM, Nyinawankusi JD, Nsengimana JP, Mutabazi Z, Aluisio A, Levine AC. Focused Needs Assessment and Training for Emergency Care Providers in Prehospital Setting in Rwanda. Presented at Society of Academic Emergency Medicine (SAEM) Conference, Las Vegas, 5/2019.
13. Moretti K, Gonzalez-Marques C, **Karim N**, Garbern S, Martin K, Mbanjumucyo G, Aluisio A, Levine AC. Transfusion, Mortality, and Hemoglobin Level: Associations Among Emergency Department Patients in Kigali, Rwanda. Presented at Society of Academic Emergency Medicine (SAEM) Conference, Las Vegas, 5/2019.
14. Mattson P, Nteziryayo E, Aluisio A, Levine AC, **Karim, N**. Traumatic Musculoskeletal Outcomes Pre and Post Development of a Rwandan Emergency Medicine Training Program. Presented at Society of Academic Emergency Medicine (SAEM) Conference, Las Vegas, 5/2019.
15. Moretti K, Gonzalez-Marques C, **Karim N**, Garbern S, Martin K, Mbanjumucyo G, Levine AC, Aluisio A. Evaluation of Epidemiology and Outcomes of Medical Patients Receiving Emergency Care at a Tertiary Hospital in Rwanda Before and After the Implementation of an Emergency Medicine Training Program. Presented at Brown Research Symposium, Providence, Rhode Island, 5/2019.
16. Gonzalez-Marques C, Moretti K, Mbanjumucyo G, **Karim N**, Levine AC, Aluisio A. Fluid Resuscitation and Mortality Among Trauma Patients Presenting to a Teaching Hospital in Rwanda. Presented at Brown Research Symposium, Providence, Rhode Island, 5/2019.
17. Nteziryayo E, Mattson P, Aluisio A, Levine AC, **Karim, N**. Characterization of Traumatic Musculoskeletal Injuries Before and After Development of an Emergency Medicine Training

Program in Kigali, Rwanda. Accepted to International Conference of Emergency Medicine (ICEM) and published in Clinical and Experimental Emergency Medicine (CEEM) Journal of Korean Society of Emergency Medicine, 6/2019.

18. **Karim N**, Gonzalez-Marques C, Zhang A, Baird J, Uwitonze JM, Nyinawankusi JD, Nsengimana JP, Mutabazi Z, Aluisio A, Levine AC. Focused Needs Assessment and Training for Emergency Care Providers in Prehospital Setting in Rwanda. Accepted to International Conference of Emergency Medicine (ICEM) and published in Clinical and Experimental Emergency Medicine (CEEM) Journal of Korean Society of Emergency Medicine, 6/2019.
19. Bilal S, Nzabandora JP, Mutabazi ZA, **Karim N**, Gonzalez Marques C, Nyinawankusi JD, Byiringiro JC, Mbanjumucyo G, Levine AC, Aluisio A. Epidemiology of injuries and outcomes among emergency department trauma patients presenting to an urban teaching hospital in Rwanda. Accepted to International Conference of Emergency Medicine (ICEM) and published in Clinical and Experimental Emergency Medicine (CEEM) Journal of Korean Society of Emergency Medicine, 6/2019.
20. **Karim N**, Nicholson B, Sun J, Bills C, Stein C, Wachira B, De Vries, S, Mould-Millman NK. An Assessment Tool for Community Based Emergency Care Systems in African Settings. Accepted to Emergency Medicine Systems of South Africa Conference (EMSSA), 11/2019
21. **Karim N**, Sun J, Bill C, Nicholson B, Pigoga J, Mould-Millman NK. A Tier 2 Prehospital Emergency Care System Assessment Tool Africa. Accepted to Emergency Medicine Systems of South Africa Conference (EMSSA), 11/2019.
22. **Karim N**, Moretti K, González Marqués C, MD<sup>1</sup>, Garbern S, Martin K, Mbanjumucyo G, Levine AC, Aluisio AR. Transfusion, Mortality and Hemoglobin Level: Associations Among Emergency Department Patients in Kigali, Rwanda. Accepted to Emergency Medicine Systems of South Africa Conference (EMSSA), 11/2019.
23. **Karim N**, Aluisio AR, Perera SM, Yam D, Garbern S, Peters J, Abel L, Cho D, Kennedy S, Massaquoi M, Sahr F, Liu T, Levine AC. Impact of Treatment with Oral Third Generation Cephalosporin Antibiotics on Mortality Outcomes in Patients with Ebola Virus Disease: An International Cohort. Accepted to Emergency Medicine Systems of South Africa Conference (EMSSA), 11/2019.
24. Oliver T, González Marqués C, Ndebwanimana, Chantal Uwamahoro, Uwamahoro Doris, Naganathan Sonya, **Karim Naz**, Levine Adam C, Aluisio Adam R. Comparative Clinical Accuracy of Three Trauma Prognostication Scores for Mortality Outcomes Among Injured Patients in Kigali, Rwanda. Accepted ICEM 2020.
25. **Karim N**, Gonzalez-Marques C, Zhang A, Baird J, Uwitonze JM, Nyinawankusi, JD, Mutabazi Z, Jean Paul V, Aluisio AR, Levine AC. Training for Emergency Care Providers in the Prehospital Setting in Rwanda. Accepted for local NERDS conference 2020.
26. **Karim N**, Gonzalez-Marques C, Zhang A, Baird J, Uwitonze JM, Nyinawankusi JD, Mutabazi Z, Jean Paul V, Aluisio AR, Levine AC. Training for Emergency Care Providers in the Prehospital Setting in Rwanda. Accepted for National SAEM conference 2020.

27. **Karim N**, Gonzalez-Marques C, Zhang A, Baird J, Uwitonze JM, Nyinawankusi JD, Mutabazi Z, Jean Paul V, Aluisio AR, Levine AC. Training for Emergency Care Providers in the Prehospital Setting in Rwanda. Accepted at regional Unite for Sight conference 2020.
28. Dozois A, Gonzalez Marques C, Thilakasiri K, Adebisi A, Leanza J, Rybarczyk M, Depp T, Wieland T, **Karim N**, Muchatuta M, Ali F. A Toolkit for Decolonizing Global Emergency Medicine Education. In *Frontiers in Education* February 2023.
29. Kadakia N. Shakya I, Lee A, Kharel R, Diaz IM, Mugemangango P, Ndebwanimana, **Karim N**. Implementation and Evaluation of the WHO Basic Emergency Care Course in Rwanda. Accepted at New England Regional Meetin (NERDS) April 2023.
30. Beck, A, Diaz ID, Odoom E, Niyigirimbabazi C, Longerstaey O, Ndebwanimana V, Uwamahoro D, **Karim N**. Remote Teaching in a Rwandan Emergency Medicine Residency: A Viable Option with Limited In-Person Staff During a Pandemic. Accepted at New England Regional Meetin (NERDS) April 2023.
31. **Karim N**, Uwitonze JM, Nyinawankusi JD, Mutabazi Z, Jean Paul V Gonzalez-Marques C, Zhang A, Baird J, Belsky M, Aluisio AR, Levine AC. Focused Needs Assessment and Tailored Training Pilot for Emergency Care Providers in Rwanda. Accepted at New England Regional Meetin (NERDS) April 2023.
32. Kadakia N. Shakya I, Lee A, Kharel R, Diaz IM, Mugemangango P, Ndebwanimana, **Karim N**. Implementation and Evaluation of the WHO Basic Emergency Care Course in Rwanda. Accepted at World Association for Disaster and Emergency Medicine (WADEM) May 2023.
33. Beck, A, Diaz ID, Odoom E, Niyigirimbabazi C, Longerstaey O, Ndebwanimana V, Uwamahoro D, **Karim N**. Remote Teaching in a Rwandan Emergency Medicine Residency: A Viable Option with Limited In-Person Staff During a Pandemic. Accepted at World Association for Disaster and Emergency Medicine (WADEM) May 2023.
34. **Karim N**, Uwitonze JM, Nyinawankusi JD, Mutabazi Z, Jean Paul V Gonzalez-Marques C, Zhang A, Baird J, Belsky M, Aluisio AR, Levine AC. Focused Needs Assessment and Tailored Training Pilot for Emergency Care Providers in Rwanda. Accepted at World Association for Disaster and Emergency Medicine (WADEM) May 2023.
35. Kadakia N, Shakya I, Lee J, Kharel R, Diaz M, Mugemangago P, Ndebwanimana V, **Karim N**. Implementation and Evaluation of the WHO Basic Emergency Care Course in Rwanda. *Prehospital and Disaster Medicine*. 2023 May;38(S1):s19-20.
36. Beck, A., Diaz, M., Odoom, E., Niyigirimbabazi, C., Longerstaey, O., Ndebwanimana, V., **Karim, N.** (2023). Remote Teaching in a Rwandan Emergency Medicine Residency: A Viable Option with Limited In-person Staff During a Pandemic. *Prehospital and Disaster Medicine*, 38(S1), S141-S141. doi:10.1017/S1049023X23003709
37. **Karim N**, Uwitonze JM, Nyinawankusi JD, Mutabazi Z, Jean Paul V Gonzalez-Marques C, Zhang A, Baird J, Belsky M, Aluisio AR, Levine AC. Focused Needs Assessment and Tailored Training Pilot for Emergency Care Providers in Rwanda. Accepted at Society for Academic Emergency Medicine (SAEM) May 2023.

## **GRANTS**

### *Active*

**Brown Emergency Medicine** 01/2023-12/2023  
Faculty Development Grant  
World Health Organization BEC Course in Kigali Rwanda  
Role: Principal Investigator \$40,000 total direct costs

**Brown Division of Global Emergency Medicine** 05/2023 -05/2024  
Supplementary Fund  
World Health Organization BEC Course in Kigali Rwanda  
Role: Principal Investigator \$6,725 total direct costs

**Global Health Initiative Brown University** 02/2023 – 03/2024  
Framework in Global Health  
Basic Emergency Care Training in Rwanda  
Role: Principal Investigator Co-Investigator: Nidhi Kadakia \$4,000 total direct costs

### *Completed*

**Global Health Initiative Brown University** 01/2014-01/2015  
Framework in Global Health  
Epidemiology of Injuries and Outcomes among Trauma Patients Receiving Prehospital Care  
Role: Co-Investigator \$10,000 total direct costs

**University Emergency Medicine Foundation** 01/2016-07/2017  
Small Projects Grant  
Evaluation of Emergency Care Populations in Kigali Rwanda  
Role: Co-Investigator \$10,000 total direct costs

**Brown University Primary Care Population Medicine**  
Population Grant  
Characterization of Fracture Demographics and Outcomes  
Role: Co-Investigator \$3,000 total direct costs

**American College of Emergency Medicine** 07/2016-07/2017  
Emergency Medicine Foundation Grant  
Conducting a Needs Assessment and the Impact of Prehospital Training in Rwanda  
Role: Primary Investigator \$9,990 total direct costs

**Global Health Initiative Brown University** 06/2019 – 06/2020  
Framework in Global Health  
Needs Assessment and Impact of Prehospital Training in Rwanda

Role: Principal Investigator      \$3,000 total direct costs

**GoFundMe**

07/2020-7/2022

WHO Basic Emergency Care Course in Rwanda  
Role: Principal Investigator      \$5300

**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

**JOURNAL ARTICLE OR ABSTRACT REVIEW**

1. Woyessa A, Yadecha B, Hirko G, Palamichamy T. "Spectrum, Pattern and Clinical outcomes of Adult Emergency Department Admission in Western Ethiopia - Hospital based prospective study". Emergency Medicine International. Manuscript number 8374017. April 2019.
2. Brown Research Symposium, Faculty Research Reviewer, 2019
3. Brown University Global Health Institute (GHI)  
Framework in Global Health  
Grant Reviewer, 2020
4. Brown University Global Health Institute (GHI)  
Framework in Global Health  
Grant Reviewer, 2021
5. Brown University Global Health Institute (GHI)  
Framework in Global Health  
Grant Reviewer, 2022
6. Brown University Global Health Institute (GHI)  
Framework in Global Health  
Grant Reviewer, March 2023  
Giovanna D. Needs Assessment for Basic Emergency Care Training Among Kenyan Medical Students

## **PRESENTATIONS**

### ***Regional***

- 2012 WVU Emergency Medicine Residency  
"Regional Nerve Blockade in the Treatment of Orofacial Pain"
- 2012 WVU Emergency Medicine Residency  
"Fact or Fiction? Psychological Disorders"
- 2012 WVU Emergency Medicine Residency  
"Sudden Infant Death Syndrome"
- 2013 WVU Emergency Medicine Residency  
"Management of Sudden Cardiac Arrest"
- 2013 WVU Emergency Medicine Residency  
"Morbidity and Mortality Cases in the Emergency Department"
- 2014 WVU Emergency Medicine Residency  
Case Conference: "Takatsubo Cardiomyopathy"
- 2014 WVU Emergency Medicine Residency  
Grand Rounds: "Understanding Healthcare Disparities and Taking Action"
- 2014 Brown Global Emergency Medicine Fellowship  
"Emergency Transport Abroad"
- 2014 Brown Global Emergency Medicine Fellowship  
"Predictors and Outcomes of Hypoxemia in Children with Pneumonia"
- 2015 Brown Global Emergency Medicine Fellowship  
"Teaching Trauma Care in India"
- 2015 Brown Global Emergency Medicine Fellowship  
"Comparative Analysis of Injury Mortality"
- 2015 Brown Global Emergency Medicine Fellowship  
Road Traffic Injuries in Ibadan: Use of Varying Data Sources
- 2015 Rosalind Franklin University of Medicine and Science  
"Career Strategy: Putting Your Degree to Work"
- 2015 Brown University School of Public Health  
"Understanding Prehospital Trauma and Emergency Care in Rwanda"
- 2017 Brown Pediatric Emergency Medicine Fellows Retreat  
"Building a Career in Global Emergency Medicine"

- 2018 Brown University PHP 1520: Emergency Medical Systems: An Anatomy of Critical Performance  
“Global Disasters”
- 2018 Division of Global Emergency Medicine  
“Introduction to Global Infectious Disease”
- 2018 Alpert Medical School of Brown University, Rhode Island  
Brown Emergency Medicine Residency  
“Thyroid Storm”
- 2018 Bryant University, Rhode Island  
“Cholecystitis and Pneumothorax Diagnosed by Ultrasound”
- 2018 Brown Fellowship Career Development Seminar  
“Increasing Academic Productivity While Maintaining Your Sanity”
- 2018 Brown Fellowship Career Development Seminar  
“How to Find an Academic Job After Fellowship”
- 2018 Bryant University Physician Assistant Program  
“Deadly Emergencies Diagnosed by Ultrasound”
- 2019 Division of Global Emergency Medicine  
“Drugs in Extreme Environments”
- 2019 Brown University  
“Rwanda Public Health Update”  
Invited by Professor Stephen Kinzer
- 2020 Bryant University Physician Assistant Program  
Deadly Emergencies Diagnosed by Ultrasound  
2-hour Interactive lecture and Ultrasound Simulation
- 2021 Department of Emergency Medicine  
“Doc to Disposition”
- 2023 Brown University Undergraduate Course  
“Rwanda Public Health Update”  
Invited by Professor Stephen Kinzer

**National**

- 2017 Society of Academic Emergency Medicine  
“Tech Tools: Leverage Technology for Academic Productivity”  
Orlando, Florida
- 2018 Unite for Sight, Global Health and Innovation Global Conference  
“The Rise of Research Capacity in Rwanda: Key Steps and Novel Methods to Building a Global Research Infrastructure”  
Yale University  
New Haven, Connecticut
- 2018 Society of Academic Emergency Medicine  
“Alcohol Use and the Epidemiology of Prehospital Patients with Head Injury at a Tertiary Hospital in Rwanda”  
Indianapolis, Indiana
- 2018 Grand Rounds: University of Wisconsin  
“Global Emergency Medicine: 5 Ways to Make an Impact”  
Madison, Wisconsin
- 2019 Unite for Sight, Global Health and Innovation Global Conference  
“5 Ways to Make a Global Impact”  
Yale University  
New Haven, Connecticut
- 2019 Grand Rounds: Chicago Medical School  
“Global Emergency Medicine: 5 Ways to Make an Impact”  
North Chicago, Illinois
- 2020 SAEM Didactic Workshop  
Hacks in Global Emergency Medicine  
SAEM Conference 2020  
Virtual
- 2020 Speaker Invitation  
Unite for Sight  
Held due to COVID
- 2020 Speaker Invitation  
West Virginia University  
Held due to COVID
- 2020 ACEP Unconventional Conference  
Innovations in a Global Pandemic  
Creator  
Virtual

- 2021 Global EM During Residency  
Residency Recruitment February 2021  
Virtual
- 2021 Speaker Invitation  
National Global Emergency Medicine Fellowship Journal Club  
Global Emergency Medicine Fellowship Consortium  
“WHO BEC Course: Implementation and Outcomes”  
Virtual
- 2021 WHO BEC Taskforce Outcomes  
SAEM Global Emergency Medicine Academy  
Virtual
- 2021 National GEM Educational Session  
“Drugs in Extreme Environments”  
30 minute pearls lecture for GEM Fellows and GEM faculty
- 2022 AMWA Premedical Conference  
“5 Ways to Make a Global Impact”  
1 hour lecture to premedical students
- 2022 SAEM Didactic Workshop  
WHO Basic Emergency Care Course TOT  
SAEM Conference 2022  
Director  
9 Hour workshop for 30 participants
- 2022 Global EM During Residency  
Residency Recruitment  
Virtual
- 2022 National GEM Educational Session  
“Opportunities for Cross Collaboration in Global Emergency Medicine”  
45 minute pearls lecture for national and international GEM Fellows, residents  
and GEM faculty
- 2022 National GEM Educational Session  
“EM Hacks in Africa: A Panel Discussion and Demonstration by our Global  
Colleagues”  
45 minute pearls lecture for national and international GEM Fellows, residents  
and GEM faculty
- 2022 BEC Taskforce Update  
SAEM GEMA Conference 2022

- 40 Participants
- 2022 Global Emergency Medicine Opportunities in Education  
Mentorship roundtables  
SAEM GEMA Conference 2022  
25 Participants
- 2023 SAEM Virtual Residency and Fellowship Fair  
Global Emergency Medicine Fellowship Panel  
32 participants
- 2023 Grand Rounds: Chicago Medical School  
“Global Emergency Medicine: 5 Ways to Make an Impact”  
Virtual
- 2023 Global Emergency Medicine Fellowship  
“GEM Fellowships: What you need to know”  
Global Emergency Medicine Fellowship Consortium (GEMFC)  
Panel presentation to 25 students

***International***

- 2015 WHO – ICRC Health Emergencies in Large Populations (HELP) Course  
“Emergency Care in Post Conflict Rwanda”  
Geneva, Switzerland
- 2015 Centre Hospitalier Universitaire de Kigali, Rwanda  
“Prehospital Trauma Morbidity and Mortality”  
Kigali, Rwanda
- 2015 National Congress of International Emergency and Disaster  
“EFAST Ultrasound”  
Quito, Ecuador
- 2015 National Congress of International Emergency and Disaster  
“Four Deadly Emergencies Diagnosed by Ultrasound”  
Quito, Ecuador
- 2017 Emergency Medicine in the Tropics (EMIT)  
Developing Sustainable Global Partnerships  
Kigali, Rwanda
- 2017 Rwanda Emergency Care Association (RECA)  
Novel Methods for Developing Global Research Capacity  
Kigali, Rwanda
- 2018 African Federation of Emergency Medicine  
Successes and Challenges of Global Partnerships  
Kigali, Rwanda

- 2018 African Federation of Emergency Medicine  
Out of Hospital Emergency Care (OHEC) workshop  
Panel member and Instructor  
Forum for African Prehospital Care Providers  
Kigali, Rwanda
- 2018 Prehospital Emergency Care Course, Rwanda  
"Obstetric Emergencies"  
University of Rwanda  
Kigali, Rwanda
- 2018 Prehospital Emergency Care Course, Rwanda  
"Burn Injuries"  
University of Rwanda  
Kigali, Rwanda
- 2018 Prehospital Emergency Care Course, Rwanda  
"Altered Mental Status and Neurological Emergencies"  
University of Rwanda  
Kigali, Rwanda
- 2018 Prehospital Emergency Care Course, Rwanda  
"Airway Lab"  
University of Rwanda  
Kigali, Rwanda
- 2018 Prehospital Emergency Care Course, Rwanda  
"Trauma in Pregnancy"  
University of Rwanda  
Kigali, Rwanda
- 2020 Project Hope  
"COVID-19 Surveillance"  
Virtual to Kenyan providers
- 2020 Project Hope  
"COVID-19 Screening and Triage"  
Virtual to Kenyan providers
- 2020 Project Hope  
"COVID-19 Surveillance"  
Virtual to Nepalese and Indian providers
- 2020 Project Hope

"COVID-19 Screening and Triage"  
Virtual to Nepalese and Indian providers

2020 WHO Basic Emergency Care TOT course  
Chair and Instructor  
"Introduction to BEC"  
Virtual Internationally

2021 Speaker Invitation  
ICEM 2021  
LEAD-EM Workshop  
Development of Emergency Medicine Residency in Rwanda: Implementation and Outcomes  
Virtual Internationally

2021 ACEP International Section  
Journey to a Global Career  
Created and led panel Discussion  
Virtual Internationally

## **TEACHING ROLE**

2015 Ministry of Health of Rwanda  
Focus Group and Emergency Care Airway Simulation Course for General Practitioners  
2-day course

2015 Hospital Eugenio Espejo, Quito, Ecuador  
Ultrasound Simulation Lab  
2-hour demonstration and simulation

2015 University of Rwanda  
Centre Hospitalier Universitaire de Kigali, Rwanda  
"Spinal Cord Emergencies"  
1-hour lecture

2015 University of Rwanda  
Centre Hospitalier Universitaire de Kigali, Rwanda  
"Spinal Trauma"  
1-hour lecture

2015 University of Rwanda  
Centre Hospitalier Universitaire de Kigali, Rwanda  
"Conducting Research in Rwanda"  
1-hour lecture

2015 Brown University Alpert Medical School

- ACLS Course  
2-hour demonstration and simulation
- 2015 Bryant University  
"Four Deadly Emergencies Diagnosed by Ultrasound"  
2-hour lecture and simulation
- 2016 University of Rwanda  
Centre Hospitalier Universitaire de Kigali, Rwanda  
"Research Development in Rwanda"  
30 minute interactive lecture
- 2016 Bryant University, Rhode Island  
"Pneumothorax and PE: Deadly Emergencies Diagnosed by Ultrasound"  
2-hour lecture and ultrasound simulation
- 2017 University of Rwanda  
Centre Hospitalier Universitaire de Kigali, Rwanda  
"Hot Painful Joints"  
1.5 hours interactive lecture
- 2017 Alpert Medical School of Brown University, Rhode Island  
Brown Emergency Medicine Residency  
"Global Health: Limited Resource Medicine in Global Disasters"  
1.5 hours of interactive lecture including shelter simulation
- 2017 Bryant University, Rhode Island  
"Pneumothorax and PE: Deadly Emergencies Diagnosed by Ultrasound"  
2-hour lecture and ultrasound simulation
- 2017 Brown University Alpert Medical School  
"Task Management: Increasing Productivity and Wellness"  
1-hr lecture for global emergency medicine fellows
- 2017 Brown University Alpert Medical School Global Health Concentration  
"Global Health Faculty Panel: Building a Career in Global Health"  
2-hour panel discussion
- 2018 Ministry of Health of Rwanda  
Prehospital Emergency Care Course, Rwanda  
"Obstetric Emergencies"  
1 hour lecture for prehospital care providers
- 2018 Ministry of Health of Rwanda  
Prehospital Emergency Care Course, Rwanda  
"Burn Injuries"  
1 hour lecture for prehospital care providers
- 2018 Ministry of Health of Rwanda  
Prehospital Emergency Care Course, Rwanda  
"Altered Mental Status and Neurological Emergencies"

- 1 hour lecture for prehospital care providers in Rwanda
- 2018 Ministry of Health of Rwanda  
Prehospital Emergency Care Course, Rwanda  
“Airway Lab”  
2 hour Simulation for prehospital providers in Rwanda
- 2018 Ministry of Health of Rwanda  
Prehospital Emergency Care Course, Rwanda  
“Trauma in Pregnancy”  
2 hour Simulation for prehospital providers in Rwanda
- 2018 Brown University PHP 1520: Emergency Medical Systems: An Anatomy of  
Critical Performance”  
“Global Disasters”  
1-hour lecture
- 2018 Division of Global Emergency Medicine  
“Introduction to Global Infectious Disease”  
30 minute pearls lecture for GEM Fellows
- 2018 Alpert Medical School of Brown University, Rhode Island  
Brown Emergency Medicine Residency  
“Thyroid Storm”  
2-hours of interactive lecture and simulation
- 2018 African Federation of Emergency Medicine  
Out of Hospital Emergency Care (OHEC) workshop  
Panel member and Instructor  
Forum for African Prehospital Care Providers  
9-hour interactive panel discussion regarding current prehospital systems in  
Africa
- 2018 Bryant University, Rhode Island  
“Cholecystitis and Pneumothorax Diagnosed by Ultrasound”  
2-hour lecture and ultrasound simulation
- 2018 Brown Fellowship Career Development Seminar  
“Increasing Academic Productivity While Maintaining Your Sanity”  
1-hour interactive lecture
- 2018 Brown Fellowship Career Development Seminar  
“How to Find an Academic Job After Fellowship”  
1-hour interactive lecture
- 2018 Bryant University Physician Assistant Program  
Deadly Emergencies Diagnosed by Ultrasound  
2-hour Interactive lecture and Ultrasound Simulation
- 2019 Division of Global Emergency Medicine  
“Drugs in Extreme Environments”

- 30 minute pearls lecture for GEM Fellows
- 2019 Bryant University Physician Assistant Program  
Deadly Emergencies Diagnosed by Ultrasound  
2-hour Interactive lecture and Ultrasound Simulation
- 2019 WHO Basic Emergency Care (BEC) Virtual Training of the Trainers  
Teaching skills and Simulation  
Director of the 2 day course. 3 hour lecture and 6 hours simulation
- 2019 Brown Fellowship Career Development Seminar  
“The Job Hunt: A Timeline to Success”  
1 Hour lecture for all fellows in Emergency Medicine
- 2020-2021 Project Hope  
Faculty  
COVID Screening, Triage and Surveillance  
700 people across 14 countries
- 2020 Alpert Medical School of Brown University, Rhode Island  
Brown Emergency Medicine Residency  
“Global Emergency Medicine Fellowship”  
1-hour of interactive panel discussion
- 2020 Brown University PHP 1520: Emergency Medical Systems: An Anatomy of  
Critical Performance  
“Global Disasters”  
2 hour lecture 50 Undergraduate students
- 2020 Brown University PHP 1520: Emergency Medical Systems: An Anatomy of  
Critical Performance  
“The Golden Rule: Do Unto Others: Ethical Issues in Emergency Medicine”  
1 hour lecture 50 Undergraduate students
- 2020 Brown University PHP 1520: Emergency Medical Systems: An Anatomy of  
Critical Performance  
“The Four C’s of Emergency Medicine: Competence, Consent, Coercion and  
Compliance”  
1 hour lecture 50 Undergraduate students
- 2020 Brown University PHP 1520: Emergency Medical Systems: An Anatomy of  
Critical Performance  
“Home is Where the Hurt is: Interpersonal Violence and Sexual Assault in  
America”  
2 hour lecture 50 Undergraduate students
- 2020 Brown University PHP 1520: Emergency Medical Systems: An Anatomy of  
Critical Performance  
“Live Fast Die Young: Trauma in the 21<sup>st</sup> Century”

- 2 hour lecture 50 Undergraduate students
- 2020 Brown University PHP 1520: Emergency Medical Systems: An Anatomy of Critical Performance  
"The Opiate Epidemic"  
2 hour lecture 50 Undergraduate students
- 2020 Brown Fellowship Career Development Seminar  
"The Job Hunt: A Timeline to Success"  
1 Hour lecture for all fellows in Emergency Medicine
- 2020 Brown Fellowship Career Development Seminar  
"Life After Fellowship: A Financial Primer"  
1 Hour lecture for all fellows in Emergency Medicine
- 2021 Brown University PHP 1520: Emergency Medical Systems: An Anatomy of Critical Performance  
"The Four C's of Emergency Medicine: Competence, Consent, Coercion and Compliance in Research"  
2 hour lecture
- 2021 Brown University PHP 1520: Emergency Medical Systems: An Anatomy of Critical Performance  
"The Golden Rule: Do Unto Others: Ethical Issues in Emergency Medicine Research"  
2 hour lecture
- 2021 Brown University PHP 1520: Emergency Medical Systems: An Anatomy of Critical Performance  
"Harm at Home: Interpersonal Violence and Sexual Assault in America"  
2 hour lecture to 50 Undergraduate students
- 2021 WHO Basic Emergency Care Course  
Shock Part II  
Kenya  
1 hour lecture, pre-recorded
- 2021 Division of Global Emergency Medicine  
"Drugs in Extreme Environments"  
30 minute pearls lecture for GEM Fellows
- 2021 Alpert Medical School of Brown University, Rhode Island  
Brown Emergency Medicine Residency  
"Global Emergency Medicine Fellowship"  
1-hour of interactive panel discussion
- 2021 Department of Emergency Medicine  
"Door to Disposition: Improving our Efficiency"  
15 minute pearls for BEM Faculty

- 2022 WHO Basic Emergency Care Course  
Director and Presenter  
“Trauma Secondary Survey”  
5 day Course in Kigali Rwanda, 40 students
- 2022 WHO Basic Emergency Care Course  
Director and Presenter  
“Shock Small Group Sessions”  
5 day Course in Kigali Rwanda, 40 students
- 2022 WHO Basic Emergency Care Course  
Director and Presenter  
“Simulation: Wound Management Skills Station”  
5 day Course in Kigali Rwanda, 40 students
- 2022 WHO Basic Emergency Care Course Training of Trainers  
Director and Presenter  
“Teaching Skills: How to Teach Case Scenarios”  
1 day Course in Kigali Rwanda, 11 students
- 2022 WHO Basic Emergency Care Course Training of Trainers  
Director and Presenter  
“Teaching Skills: How to Teach Handovers”  
1 day Course in Kigali Rwanda, 11 students
- 2022 University of Rwanda  
Centre Hospitalier Universitaire de Kigali, Rwanda  
“Mechanical Ventilation”  
Teleteaching Research Project  
1 hour lecture to Emergency Medicine residents and medical students
- 2022 Brown University BIOL 1530: Emergency Medical Systems: An Anatomy of  
Critical Performance  
“The Golden Rule: Do Unto Others: Ethical Issues in Emergency Medicine”  
1 hour lecture 25 Undergraduate students
- 2022 Brown University BIOL 1530: Emergency Medical Systems: An Anatomy of  
Critical Performance  
“The Four C’s of Emergency Medicine: Competence, Consent, Coercion and  
Compliance”  
1 hour lecture 25 Undergraduate students
- 2022 Brown University BIOL 1530: Emergency Medical Systems: An Anatomy of  
Critical Performance  
“Home is Where the Hurt is: Interpersonal Violence and Sexual Assault in  
America”

2 hour lecture 25 Undergraduate students

- 2022 Brown University BIOL 1530: Emergency Medical Systems: An Anatomy of Critical Performance  
“A Gift of Hope: Disasters and Refugee Camps”  
2 hour lecture 25 Undergraduate students
- 2022 Alpert Medical School of Brown University, Rhode Island  
Brown Emergency Medicine Residency  
“Global Emergency Medicine Fellowship”  
1-hour of interactive panel discussion
- 2022 SAEM Didactic Workshop  
WHO Basic Emergency Care Course TOT  
SAEM Conference 2022  
“Introduction to the BEC TOT” and “What not to do”  
9 Hour workshop for 30 participants including simulation and group cases
- 2023 University of Rwanda  
Centre Hospitalier Universitaire de Kigali, Rwanda  
“Infectious Disease Cases”  
1 hour interactive lecture to emergency medicine residents and medical students
- 2023 SAEM Didactic Workshop  
WHO Basic Emergency Care Course TOT  
SAEM Conference 2023  
“Introduction to the BEC TOT”  
9 Hour workshop for 30 participants including simulation and group cases
- 2023 SAEM Didactic Workshop  
WHO Basic Emergency Care Course TOT  
SAEM Conference 2023  
“Bag Mask Ventilation”  
9 Hour workshop for 30 participants including simulation and group cases
- 2023 SAEM Didactic Workshop  
WHO Basic Emergency Care Course TOT  
SAEM Conference 2023  
“What not to do”  
9 Hour workshop for 30 participants including simulation and group cases
- 2023 Alpert Medical School of Brown University, Rhode Island  
Brown Emergency Medicine Residency Simulation  
“The Acute Asthmatic”  
2.5 hours of interactive discussion and simulation
- 2023 WHO Basic Emergency Care Course  
Rwanda May 2023  
“Introduction to the BEC”

- 5 day workshop for 30 participants including lectures, simulation and group cases
- 2023 WHO Basic Emergency Care Course  
Rwanda May 2023  
“Skills 3: Circulation”  
5 day workshop for 30 participants including lectures, simulation and group cases
- 2023 WHO Basic Emergency Care Course  
Rwanda May 2023  
“Skills 6: Wound Management”  
5 day workshop for 30 participants including lectures, simulation and group cases
- 2023 WHO Basic Emergency Care Course  
Rwanda May 2023  
“Shock Small Group Case Studies”  
5 day workshop for 30 participants including lectures, simulation and group cases
- 2023 WHO Basic Emergency Care Course  
Rwanda September 2023  
“Trauma Small Group Case Studies”  
5 day workshop for 30 participants including lectures, simulation and group cases
- 2023 WHO Basic Emergency Care Course  
Rwanda September 2023  
“Altered Mental Status Small Group Case Studies”  
5 day workshop for 30 participants including lectures, simulation and group cases

### **CURRICULUM DEVELOPMENT**

- 2015 Centre Hospitalier Universitaire de Kigali, Rwanda  
Principles of Trauma Care
- 2015 Centre Hospitalier Universitaire de Kigali, Rwanda  
Burns and Electrocution
- 2015 Centre Hospitalier Universitaire de Kigali, Rwanda  
Management of Abdominal Pathology
- 2015 Centre Hospitalier Universitaire de Kigali, Rwanda  
Chest and Pelvic Traumatic Injuries
- 2015 Centre Hospitalier Universitaire de Kigali, Rwanda  
Introduction to Dental Anatomy and Dental Emergencies
- 2015 Centre Hospitalier Universitaire de Kigali, Rwanda  
Spinal Cord Emergencies
- 2017 Centre Hospitalier Universitaire de Kigali, Rwanda

Hot Painful Joints

- 2017 Brown Alpert School of Medicine, Emergency Medicine Residency  
Felon Pearls
- 2018 Prehospital Emergency Care Course, Rwanda  
Triage and MCI
- 2018 Prehospital Emergency Care Course, Rwanda  
Primary and Secondary Assessment
- 2018 Prehospital Emergency Care Course, Rwanda  
Shock
- 2018 Prehospital Emergency Care Course, Rwanda  
Abdominal Trauma
- 2018 Prehospital Emergency Care Course, Rwanda  
Pelvis Trauma
- 2018 Prehospital Emergency Care Course, Rwanda  
Chest Trauma
- 2018 Prehospital Emergency Care Course, Rwanda  
Head Trauma
- 2018 Prehospital Emergency Care Course, Rwanda  
Extremity Injuries
- 2018 Prehospital Emergency Care Course, Rwanda  
Pediatric Trauma
- 2018 Prehospital Emergency Care Course, Rwanda  
Trauma in Pregnancy
- 2018 Prehospital Emergency Care Course, Rwanda  
Respiratory Emergencies
- 2018 Prehospital Emergency Care Course, Rwanda  
Simulation cases (Sepsis, Trauma in Pregnancy, Extremity Injury, Head injury)
- 2016 - 2020 Emergency Care, Rwanda Residency  
Program Coordinator for Rwanda Resident Observership at Brown
- 2021 Emergency Care, Rwanda Residency  
Diagnosis and Management of Patients with Headache
- 2019 -2022 WHO Basic Emergency Care course, Rwanda  
Airway, Shock, Sepsis, Trauma, Simulation  
Delivered March 2022

- 2020-2021 WHO Basic Emergency Care course, Faculty in United States  
GEMA Virtual Training of Trainers course  
Airway, Shock, Sepsis, Trauma, Simulation
- 2020- 2022 Developing the first national Global Emergency Medicine curriculum for fellows in the United States in conjunction with Johns Hopkins University
- 2016 – 2022 Developing the first Global Emergency Medicine Fellowship curriculum at Brown that is used nationally
- 2021 - Present Remote Learning Modules for Learners in Rwandan Emergency Medicine residency
- 2022 - 2023 Division of Global Emergency Medicine Fellowship Curriculum Development
- 2022-2023 WHO Basic Emergency Care course, Rwanda  
Airway, Shock, Sepsis, Trauma, Simulation  
5 day course delivered in May 2023
- 2022- 2023 WHO Basic Emergency Care course, Rwanda  
Airway, Shock, Sepsis, Trauma, Simulation  
5 day course delivered in September 2023

## **MENTORSHIP ROLE**

### **UNDERGRADUATE**

- 2019 – Present Pooja Nahar  
Brown Undergraduate  
Mentorship in Career Development

### **GRADUATE**

- 2014 – Present Zeta Mutabazi  
University of Rwanda  
Mentorship in career development and research skills  
7 Abstracts and 9 manuscripts
- 2016-2020 Genoviva Sowemimo-Coker  
Brown School of Public Health  
Mentorship in Career Development
- 2019- 2021 Maria Isabel Diaz  
Brown School of Public Health  
Mentorship in GEM Research and Career Development  
Scholarly Result: WHO BEC Rwanda IRB and Grant, Teleteaching  
2 Manuscripts pending

2021-2022	<p>Enyonam Odoom          Carolan Research Fellowship          Scholarly Result: Multiple research project in Rwanda (WHO BEC, Teleteaching), Research Assistant in Rwanda for one year as carolan fellow, organizing multiple global projects and meetings          Abstracts and manuscripts in progress</p>
2022-2023	<p>Destry Jensen          Carolan Research Fellowship          Scholarly Result: Multiple research project in Rwanda (WHO BEC, Teleteaching), Research Assistant in Rwanda for one year as carolan fellow, organizing multiple global projects and meetings</p>
2023 – present	<p>Anna Dobbins          Carolan Research Fellowship          Scholarly Result: Multiple research project in Rwanda (WHO BEC, Teleteaching), Research Assistant in Rwanda for one year as carolan fellow, organizing multiple global projects and meetings</p>

**MEDICAL SCHOOL**

2017-2019	<p>Peter Charles Mattson          Alpert Medical School, PCPM          Mentorship in GEM Research          1 Manuscript</p>
2017- 2018	<p>John Debella          Alpert Medical School          Preclinical Shadowing Program          Mentorship through Doctoring Program</p>
2017-Present	<p>Angela Zhang          Alpert Medical School          Mentorship in GEM Research          5 Abstract, 1 manuscript (pending)</p>
2018-2019	<p>Martine Dolan          Graduate student          Career guidance</p>
2018-Present	<p>Ling Jing          Medical Student          Carolan Research Fellowship</p>

Scholarly Result: Grant funding for WHO BEC Rwanda, Multiple research project in Rwanda, Research Assistant in Rwanda for one year as carolan fellow, organizing multiple global projects and meetings  
1 Manuscript

2019-2020	Giorgina Giampaolo Alpert Medical School Preclinical Shadowing Program Mentorship through Doctoring Program
2019 – 2021	Lindsay Dreizler Alpert Medical School Mentorship through Doctoring Program and Career Development
2022- Present	Mikaela Belsky NYU School of Medicine Mentorship in GEM Research and Career Development Scholarly Result: Revising manuscript on Pain Management in Rwanda and manuscript on SAMU Training 1 Manuscript pending, 1 abstract
2023	Claren Ruth Brown School of Public Health Mentorship in GEM Research 2 Manuscript and 1 abstract pending

## **RESIDENTS**

2016 – 2019	Gabin Mbanjumucyo University of Rwanda Mentorship in research skills 9 abstracts and 5 manuscripts
2016 -2019	Oliver Umuhire University of Rwanda Mentorship in research skills 2 abstracts and 4 manuscripts
2019 - Present	Pascal Mugemangango University of Rwanda Mentorship in research skills and skills related to implementation of a large scale educational initiative such as the WHO national basic emergency care course in Rwanda
2019 - Present	Vizir Jean Paul University of Rwanda

Mentorship in career development, educational and research skills  
Multiple abstract acceptances

2020 – 2023

Derek Lubetkin  
Alpert Medical School, Brown Emergency Medicine Residency  
Mentorship in Career Development, Research skills, national projects and skills related to implantation of a large scale educational initiative such as the WHO national basic emergency care course in Rwanda  
2 Manuscripts

2020 – 2023

Nichole Michaeli  
Alpert Medical School, Brown Emergency Medicine Residency  
Mentorship in Career Development, Research skills, and national projects

2020 – 2022

Giovanna Deluca  
Alpert Medical School, Brown Emergency Medicine Residency  
Mentorship in Career Development and national projects

2022- 2023

Kayla Balousek  
Chicago Medical School  
Mentorship in Career Development

2019 – 2023

Jean Muragizi  
University of Rwanda  
Mentorship in research skills  
1 abstracts and 1 manuscripts

## **POST GRADUATE**

2016- 2022

Saadiyah Bilal  
Brown GEM Fellowship  
Mentorship in Career Development

2017-2019

Kyle Martin  
Brown GEM Fellowship  
Mentorship in career development and research skills  
3 Abstracts and 1 Manuscript

2017-2019	Stephanie Garbern Brown GEM Fellowship Mentorship in career development and research skills 4 Abstracts
2018-2020	Catalina Gonzalez Marques Brown GEM Fellowship Mentorship in career development and research skills 9 Abstracts and 1 Manuscript
2018-2020	Katelyn Moretti Brown GEM Fellowship Mentorship in career development and research skills 4 Abstracts and 3 Manuscripts
2018-2021	Sonya Naganathan Brown GEM Fellowship Mentorship in career development and research skills 1 Abstract and 3 Manuscripts
2019	SAEM / GEMA Speed Mentoring Faculty Mentorship and guidance to residents interested in Global EM
2020 -2022	John Austin Lee Brown GEM Fellowship Mentorship in Career Development, Research skills, and national projects 2 manuscripts, 3 abstracts
2020 - 2022	Ramu Kharel Brown GEM Fellowship Mentorship in Career Development, Research skills, national projects and skills related to implantation of a large scale educational initiative such as the WHO national basic emergency care course in Rwanda 2 Manuscripts, 3 abstracts
2021	Megan Barry Brown GEM Fellowship Mentorship in career development and research skills
2021 - 2022	Andy Beck Medical Education / GEM Fellowship Mentorship in Career Development, research and skills related to implantation of a large-scale educational initiative such as the WHO national basic emergency care course in Rwanda 1 manuscript, 3 abstracts
2022-Present	Oriane Longerstaey Brown GEM Fellowship Mentorship in career development, grant and research skills
2022-Present	Nidhi Kadakia

Brown GEM Fellowship  
Mentorship in career development, grant and research skills  
3 Manuscripts, 3 abstracts pending

2023 Agatha Offorjebe  
Brown GEM Fellowship  
Mentorship in career development and research skills

2023 Gia Deluca  
Brown GEM Fellowship  
Mentorship in career development and research skills

### **OTHER ACTIVITIES**

2017-2018 Application for SAEM Accreditation of GEM Fellowship

2017-2018 Creation of the new Division of Global Emergency Medicine website

2018-2020 Creation of Global Emergency Medicine Fellowship Canvas Teaching Tool

2018-2021 OHEC Tier 1 Prehospital Assessment Tool for Africa

2018-2021 OHEC Tier 2 Prehospital Assessment Tool for Africa

2019-2020 Creation of GEM Fellowship program evaluations

2021-2022 Creating focused feedback for fellows

2023 President of Society of Academic Emergency Medicine (SAEM), GEMA

2023 Invited to speak at Chicago Medical School

2023 Invited to speak at International Federation of Emergency Medicine (IFEM)

2023 Director of the first BEC training for medical graduates in Rwanda

2023 Director of the first BEC training for general practitioners in Rwanda

2023 Curriculum development for Rwanda Emergency Medicine Residency Program