

Nehal S. Naik

Education/Training

George Washington University Emergency Medicine Residency	Washington, DC 6/2022
Virginia Commonwealth University (VCU) M.D.	Richmond, VA 5/2018
Georgetown University M.S., Physiology & Biophysics	Washington, DC 6/2012
University of California, Berkeley B.A., Molecular and Cell Biology Emphasis: Cell and Developmental Biology	Berkeley, CA 5/2010

Research Experience

National Institutes of Health: Fogarty International Center U.S. Scholar, UJMT Consortium	Lima, Peru 7/2016- 6/2017
<ul style="list-style-type: none">• Lead investigator for evaluation of a low-cost air sampling system for detecting <i>Mycobacterium tuberculosis</i> aerosols generated by coughing patients• Co-lead investigator for relationship of cough frequency to <i>Mycobacterium tuberculosis</i> dynamic microbiology in TB patients, using a low-cost piezoelectric cough sensor.• Co-investigator in determining changes in social networks in TB patients following diagnosis.• Co-investigator in a mixed-methods pilot study of food security and dietary intake among tuberculosis patients in Huayacán, Peru: implications for improving practice.• Lead investigator of assessing changes in health, wellbeing, migration and security in Madre de Dios region of Peru following the construction of the Inter-Oceanic Highway.• Conducting research with mentors from Universidad Peruana Cayetano Heredia, Tulane University, and Johns Hopkins University.• Developed skills in independent research including grant writing, research design, ethics, statistical analysis, and manuscript writing.	
VCU Health/International Trauma Systems Development Program Student Researcher	Richmond, VA 2/2014-5/2018
<ul style="list-style-type: none">• Co-lead investigator for quality assessment and improvement of pre-hospital to hospital communication for trauma patients in Cuenca, Ecuador• Developed and implemented trauma activation criteria for Hospital Vicente Corral Moscoso.	
VCU Health, Division of Infectious Diseases/ Global Health & Health Disparities Program Student Scholar	Richmond, VA 9/2013- 5/2018
<ul style="list-style-type: none">• Lead investigator of knowledge, attitudes, and perceptions towards Soil-Transmitted Helminth infection risk in rural Honduras.	
BMC Public Health Reviewer	8/2017- Present
Evaluate article submissions to the journal, and provide feedback and suggestions to the editor and authors.	

Health Education & Leadership Experience

Emergency Medicine Residents' Association Vice-Chair of International Committee	5/2018- Present
<ul style="list-style-type: none">• Planning events for trainees interested in Global Emergency Medicine at ACEP18, including mentorship. Chair of Gun Safety Taskforce	

- Led a bipartisan group to create a resolution for EMRA’s policy compendium relating to Firearm injury and violence prevention.

Society of Academic Emergency Medicine

5/2017- 5/2018

Chair of Research Committee/Inaugural Member-at-Large, Resident and Medical Students (RAMS) Board

- Strategic planning and vision development of the RAMS board during its inaugural year.
- Developing didactic session for SAEM18 conference on how Lesbian, Gay, Bisexual, or Transgender and/or Under-represented Minorities trainees can tackle challenges in Emergency Medicine.
- As one of the Board’s inaugural members, I worked to create a greater platform for residents and students within SAEM.
- Liaison for Emergency Medicine Residents Association research committee.

Panamerican Trauma Society (PTS)

1/2015- 12/2017

Chair of Student Subcommittee

- Created a longitudinal online course in evidence based medicine and population health.
- Developed events for students interested in trauma, emergency medicine, and critical care at the PTS Congress 2015 in Santa Cruz, Bolivia and 2016 in Maceio, Brazil, including teaching courses on foundations of evidence based medicine and opportunities for research presentation.
- Founded the Academic League of Trauma and Emergency in Peru, now with over 120 members at 3 major local universities.

2MinuteMedicine

Writer, Weekly Rewind

11/2016- 12/2017

- Wrote summaries of most impactful medical studies published each week.
- Summaries used as framework for teaching PTS evidence based medicine online course

Volunteer Experience

Farmworker Health Outreach, VCU School of Medicine

Richmond, VA

Founder and President

6/2014-Present

- Organized student outreach health fairs at migrant farmworker camps throughout eastern shore of Virginia.
- Coordinated with the Eastern Shore Rural Health system, a Federally Qualified Health Center, for referrals and follow-up care for all individuals seen at our outreach activities.

International Trauma Systems Development Program

Richmond, VA

AHA CPR Instructor/Volunteer Coordinator

9/2014 – 6/2016

- Taught community hands-only CPR to Hispanic community centers in Richmond in both Spanish and English, in partnership with Richmond Ambulance Authority.
- Led BLS for healthcare providers class for VCU SOM students.

Publications and Presentations

Journal Articles:

Powell AR, Lee GO, **Naik N**, Jensen K, O’Neal C, , Salmón-Mulanovich G, Hartinger Peña S, Bausch D, Paz Soldan V. Small The Impact of Road Construction on Subjective Well-Being in Communities in Madre de Dios, Peru. International Journal of Environmental Research and Public Health; June 15, 2018.

Naik N, Jensen K, O’Neal C, Powell AR, Salmón-Mulanovich G, Hartinger Peña S, Bausch D, Paz Soldan V. Small Scale Migration along the Interoceanic Highway in Madre de Dios, Peru: An exploration of community perceptions and dynamics due to migration. BMC International Health and Human Rights; February 12th, 2018.

Naik N, Bearman G, Sanchez AL, Sanogo K, Stevens MP. Adult education: the missing piece to improve Soil-Transmitted Helminth control efforts? A Knowledge, Attitudes, and Practice study in Rural Honduras. PLOS One; (Accepted Pending Revisions).

Naik N, Rains M, Morrocho E, Mosquera C, Siguencia F, Aboutanos MB, Rodas E, Salamea JC, Jayaraman SP. Training and Protocols: A Knowledge, Attitudes and Practices Study of Emergency Communication in Cuenca, Ecuador. Prehospital Emergency Care (Submitted).

Posters

Naik N, Comina G, Lee G, Hernandez G, Ramos E, Datta S, Paz-Soldan V, Gilman R, Oberhelman R, Evans CA. Development of a low-cost aerosol filter for detection of *Mycobacterium tuberculosis*. European Congress of Clinical Microbiology & Infectious Diseases; 2017 April 22-25; Vienna, Austria. (Poster).

Naik N, Rains M, Lituma M, Carrasco P, Armijos J, Caguana J, Salamea JC, Aboutanos M, Jayaraman S. Breakdown in Trauma Alert Communication and Pre-Hospital Care in Cuenca, Ecuador. Proceedings of the 28th Panamerican Congress of Trauma, Critical Care, and Emergency Surgery; 2015 Nov 10-13; Santa Cruz, Bolivia. (Oral)

Naik N, Rains M, Lituma M, Carrasco P, Armijos J, Caguana J, Salamea JC, Aboutanos M, Jayaraman S. Accuracy of Communication between pre-hospital and hospital staff in Cuenca, Ecuador. Proceedings of the 143rd American Public Health Association annual meeting; 2015 Nov 1-4; Chicago, IL. (Poster)

Naik N, Bearman G, Sanogo K, Stevens M. Knowledge and Attitude about Soil-Transmitted Helminth Infection Risk in Rural Honduras. Proceedings of the 63rd American Society of Tropical Medicine and Hygiene annual meeting; 2014 Nov 2-6; New Orleans, LA. (Poster)

Naik N, Bearman G, Sanogo K, Stevens M. Knowledge and Attitude about Soil-Transmitted Helminth Infection Risk in Rural Honduras. American Medical Association interim meeting research symposium; 2014 Nov 7; Dallas, TX. (Poster)

Lamark Á, Lopes M, **Naik N**, Sarmiento D, José I, Linhares J, Souza A, Artur J. The state of Emergency Pre-Hospital Care in Brazil/A Regulação Médica e o Atendimento Pré-hospitalar de Urgência no Brasil: Revisão Integrativa. 4th World Society of Emergency Surgery Congress. 2017 May 18-20; São Paulo, Brazil (Poster in Portuguese).

Other publications

Naik N. From Trauma Communication in the City of Four Rivers to International Collaboration. *Assoc Acad Surg*. 2016 March. <http://www.aasurg.org/blog/from-trauma-communication-in-the-city-of-four-rivers-to-international-collaboration/>

Showalter, J. M4 Nehal Naik helps develop devices to manage tuberculosis, improve patient care. 2017 June 13. *VCU SOM Discoveries*. <http://wp.vcu.edu/somdiscoveries/2017/06/m4-nehal-naik-helps-develop-devices-to-manage-tuberculosis-improve-patient-care/>

Languages Spoken

Spanish – Advanced – DELE level B2

Portuguese – Basic

Hindi – Fair

Gujarati – Fluent/Native