



Emergency Medicine Residency



# CLINICAL EXCELLENCE

Welcome to the Department of Emergency Medicine at GW!

The Department of Emergency Medicine was established at GW in 1980 and has a long and rich tradition of excellence and innovation. We have over 40 full-time faculty members with a diversity of expertise and interests who foster a community of excellence. Graduates from our program practice both academic and community Emergency Medicine across the country and are leaders in our field.

At GW, we train excellent clinicians who are dedicated to improving the field of Emergency Medicine. Our residents learn Emergency Medicine in four unique clinical sites that expose them to a variety of patient care encounters and practice environments. Residents have the opportunity to work alongside a multitude of learners during training and have a specific curriculum to help them each become effective educators. At GW, we aim to prepare the next generation of health care leaders and changemakers, and we offer residents numerous non-clinical opportunities for leadership and career development. These include clinical research, health care policy, global capacity building, community service, quality improvement, healthcare administration, and innovative practice. Our faculty takes great pride in mentoring future clinicians, educators, and leaders who will push the boundaries for emergency care worldwide.

When people ask me what it is I am most proud of at GW, it is by far the accomplishments of both my past graduates and my current residents. Our residents are a wonderful, diverse group of caring individuals who are dedicated to improving patient care on multiple levels as a team. We are truly a "family" here at GW and I am hopeful that you join us in the future!

*Dr. Colleen Roche*

## Clinical

- ✓ 4-week intern orientation
- ✓ Rotations at 4 unique clinical sites
- ✓ Resident-focused ED at home institution
- ✓ PGY-4 "Pre-attending" role
- ✓ Emphasis on critical care education
- ✓ Longitudinal trauma and pediatric experiences
- ✓ Collaborative interdisciplinary relationships
- ✓ Strong sense of teamwork with nursing and support staff
- ✓ Diversity of patients spanning the socioeconomic and cultural spectrum
- ✓ Diversity of faculty with expertise in nearly all aspects of Emergency Medicine

## Career Enrichment

- ✓ Individual faculty mentors
- ✓ Mini-Fellowship Project
- ✓ 4.5 blocks of elective time
- ✓ Emphasis on small group learning and simulation
- ✓ Interdisciplinary video review of trauma activations
- ✓ Annual Capitol Hill day
- ✓ Opportunities for international electives

- ✓ Resident participation on hospital and institutional committees
- ✓ Dedicated faculty with specialties in global health, health care policy, disaster response, ultrasound, simulation, administration, telemedicine, and more
- ✓ EM faculty in leadership roles throughout GW
- ✓ Focus on community service through outreach to local children and community programs
- ✓ EM:RAP, EMRA and ACEP memberships
- ✓ Dedicated conference funds
- ✓ Network of greater than 400 alumni throughout the country

## Lifestyle

- ✓ 3-day golden weekend during ED months
- ✓ Bike, drive, metro, walk, or Uber to work from MD, DC, and VA
- ✓ City defined by young professionals from all industries
- ✓ Diverse community with countless cultural activities, shopping, & festivals
- ✓ Family-friendly neighborhoods in close proximity
- ✓ Hip food scene with popular happy hours and brunches every day of the week

- ✓ Nearby hiking, from the Shenandoah National Park to Harpers Ferry, WV
- ✓ Run through the National Mall & scenic parks
- ✓ Multiple outside concert and movie events
- ✓ Vibrant nightlife from H street to Adams Morgan
- ✓ NFL, NBA, MLB, NHL, MLS tickets are a click (or a Chairman) away



### **Bruno Petinaux, RES '01**

The Chief Medical Officer of George Washington University Hospital, Dr. Petinaux is an expert in disaster and confined-space medicine. During his career he has responded to four hurricanes, and, as a Major in the U.S. Army Reserve, he has been deployed three times in the past seven years. Dr. Petinaux is the director of our Disaster and EMS Fellowship.



# LEADERSHIP & CAREER DEVELOPMENT



## RESIDENT EDUCATORS

At GW you will work with faculty that are not only experts in their niche of EM, but are excellent educators. They are leaders in the School of Medicine, are invited to speak nationally for organizations such as ACEP, SAEM, CORD, ACGME, and NRMP, and provide medical training to organizations such as the Peace Corps and Secret Service.

The GW faculty will not only

teach you each day in the ED, but they will help you develop into excellent educators. Throughout the course of your residency, you will receive individualized mentorship and feedback on each presentation you prepare in order to enhance both educational and public speaking skills. You will work with medical students from the beginning of residency and will participate in a 9-hour Residents as Teachers (RATS)

course. During the PGY3 year, you will complete a dedicated Teaching Resident block in which you will be responsible for educational sessions in both the ED and in the medical school, as well as mentoring students choosing Emergency Medicine as their career. As a PGY4, you are the senior resident in the ED and take responsibility to teach and guide junior trainees.

### **Yolanda Haywood RES '01**

As the Senior Associate Dean for Diversity, Inclusion, and Student Affairs, Dr. Haywood spearheads efforts to develop, coordinate, and implement academic and research programs to promote diversity within the SMHS. Dr. Haywood has restarted the DC Health and Academic Pre Program (DC HAPP), which helps propel high school students towards careers in healthcare.

### **Jesse Pines**

As the Director of the Office for Clinical Practice Innovation, Dr. Pines is involved with disseminating Best Practices in Emergency Care. Dr. Pines served as a senior advisor at the Center for Medicare and Medicaid Services Innovation Center, and a consultant to the National Quality Forum on patient safety, health information technology, and emergency care. He also hosts the Urgent Matters Podcast, and has been featured in Slate.com, Newsweek, and the Wall Street Journal.

### **Neal Sikka, RES '03**

An expert in informatics, telemedicine, mobile health, and patient engagement, Dr. Sikka has collaborated with multiple startups in the digital health space and has been a pioneer in telemedicine since 1989. Dr. Sikka is the director of our Innovative Practice and Telehealth Section, where he collaborates with our Maritime Telemedicine service. He is also working to increase the availability of specialty consultation services to our at-risk populations.

### **Keith Boniface**

Dr. Boniface is the Chief of Emergency Ultrasound, a professor of Emergency Medicine, and has trained residents and fellows in point-of-care ultrasound over the last 15 years. Dr. Boniface regularly trots around the globe to teach diagnostic and critical care US techniques. He is a leading expert in Emergency Ultrasound, and frequently presents at national academic meetings for emergency medicine, critical care, and even for internal medicine.

## WHY I CHOSE GW

### Dan Buckland, M.D., PhD., RES '18

#### Why GW:

GW EM gives me **the freedom and flexibility to explore my interests** with electives at commercial space companies such as SpaceX and Lockheed Martin as well as **faculty mentors that support these non-traditional medical interests.**

Young staff (nurses, techs, support staff) give a **sense of a community.** Everyone is **learning this field together** under the direction of **a great senior staff** so there is a shared sense of progression beyond just the residents.

#### Advice:

This is a job interview, explain **how you can benefit the program** as well as what you are hoping the program will teach you and **what you expect to get out of your experience** in residency.

From: Atlanta, GA  
Education:  
Georgia Tech, BS  
Harvard, MD  
MIT, PhD

#### Interests:

Space Medicine,  
Applying engineering  
principles to medicine.  
Raising/keeping my 2  
two year old kids alive



From: Denver, CO  
Education:  
Pennsylvania, BA  
Maryland, MD

### Ainsley Adams, M.D., RES '19

#### Why GW:

GW's faculty members are involved in a **wide variety of EM subspecialties.** I was impressed by the interesting projects the faculty were involved with and how much they **encouraged branching out into new areas.** When I interviewed, I wasn't sure what I wanted to focus on, so being in a place with so many strong options was appealing.

The leadership emphasizes that

emergency medicine is a career that requires life-long learning. The training focuses on **developing skills now that enable you to continue to grow as a physician** after residency and throughout your career.

One of the reasons I chose EM was for the **variety of patients**, and I love the **diverse mix we see across our clinical sites** - our patients are truly from all walks of life and from all around the globe.

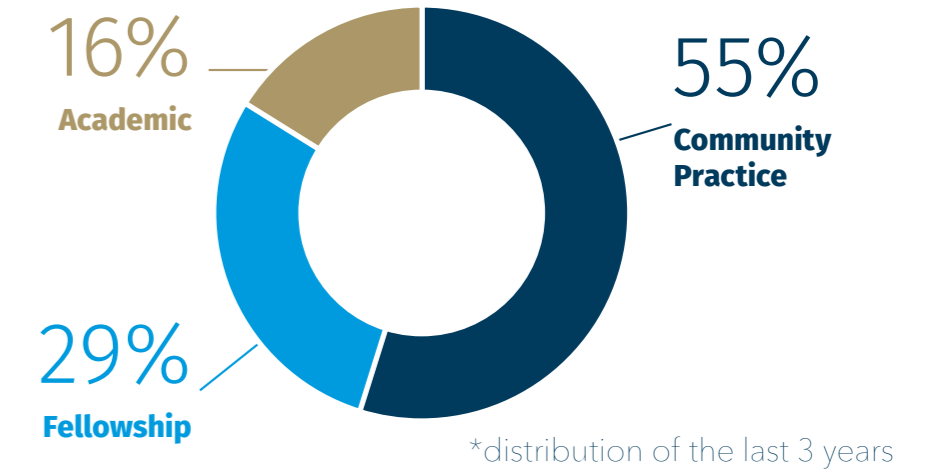
#### Advice:

There is so much to learn in a few short years during residency. Training in an **environment where it's OK to ask questions**, where the ED staff (physicians, nurses, techs) function as a team, and where people like each other and their jobs makes that so much easier. I didn't realize how important being in **supportive, collegial program** would be, and I was lucky to end up in one.

#### D.C. Favorites:

14th street for outdoor seating and people watching, Union Market for variety and things to bring home, Eden Center for excellent Vietnamese food when I'm in Virginia

# ALUMNI



## 2014

Simran Vahali, Education Fellowship, OHSU - Portland, OR  
Erin Marra, Academics, Aventura - Miami, FL  
Sonal Batra, Academics, GW - Washington, DC  
Jeff Stone, Community Practice, Gaithersburg, MD  
Awet Abraha, Community Practice, Gaithersburg, MD  
Jesus Sanchez, Community Practice, Gaithersburg, MD  
Justin Larkin, Community Practice, San Francisco, CA  
Anne Lewis, Community Practice, Dallas, TX  
Mary Chopard, Community Practice, Falls Church, VA  
Paul Tran, Community Practice, Dallas, TX

## 2015

Paige Armstrong, Epidemiology Fellowship, CDC - Atlanta, GA  
Wadaa Redha, Simulation Fellowship, GW - Washington, DC  
Imad Khojah, Administrative Fellowship, GW - Washington, DC  
Grant Berry, Ultrasound Fellowship, GW - Washington, DC  
Elizabeth Philips, Academics, University of Maryland - Baltimore, MD  
Jessica Galarraga, Academics, Georgetown - Washington, DC  
Chris Wesselman, Community Practice, Santa Cruz, CA  
Adrian Woo, Community Practice, Gaithersburg, MD  
Katie Byrd, Community Practice, Tacoma Park, MD  
Mary Jacob, Community Practice, Tacoma Park, MD  
Carol Wright, Community Practice, Cheyenne, WY

## 2016

Ryan Tansek, Ultrasound Fellowship, Mount Sinai - New York, NY  
Michelle Feltes, International Fellowship, Stanford, Palo Alto CA  
Todd Clark, Administrative Fellowship, OHSU - Portland, OR  
Mohammed Almulhim, Education Fellowship, GW - Washington, DC  
Fareen Zaver, Academics, University of Calgary - Canada  
Chrissy Woodward, Community Practice, Takoma Park, MD  
Raj Ghadia, Community Practice, Alexandria, VA  
Stephanie Gilbert, Community Practice, Gaithersburg, MD  
Andrea Munro, Community Practice, Los Angeles, CA  
Marie-Eve Laden, Community Practice, San Francisco, CA





## Sally Santen, M.D., PhD., RES '91

Dr. Santen attended GW for medical school and Emergency Medicine residency. While working as a junior faculty member in Emergency Medicine at Vanderbilt, she completed her PhD in Education. Dr. Santen began working at the University of Michigan 5 years ago, where she is currently the Assistant Dean for Educational Research and Quality Improvement in the Medical School, and Associate Chair of Education in the Department of Emergency Medicine. The American Medical Association has awarded the University of Michigan and Dr. Santen (as co-PI) a five-year \$1.1M grant to transform medical school curriculae towards graduating physicians who can help drive changes in patient care and healthcare delivery. In 2016, she was recognized for her outstanding contributions to emergency medicine through the teaching of others and the improvement of pedagogy with the Hal Jayne Excellence in Education Award from the Society of Academic Emergency Medicine.

*"GW prepared me well to enter academics with the strong clinical training, mini-fellowship in Ultrasound, and the expectation to go beyond just the clinical work." - Dr. Saten*

*"GW couldn't have been a better fit- the clinical experience is second to none, the faculty superb. The connections I've made and opportunities that come from training in Washington, DC have had a tremendous impact on my professional growth post residency." - Dr. Irwin*



## Jesse Irwin, M.D., RES '09

Before residency, served as a General Medical Officer aboard the USS Kearsarge (LHD-3) for over 3,000 Navy sailors and Marines during two surge deployments to the Persian Gulf in support of Operation Iraqi Freedom. During residency at GW, he was a member of the Fairfax Virginia Urban Search and Rescue team while serving as chief resident. Following residency, Jesse joined MEP Health where he was Vice President of recruiting and staffing operations, in addition to being the assistant medical director for the ESPN X-Games. He is currently the Regional Medical Director for ApolloMD in Richmond, Virginia, where he is responsible for business and clinical operations for both emergency and hospitalist medicine in the Richmond HCA (Capital Division) market.



## Paige Armstrong, M.D., RES '15

Paige A. Armstrong received her BA and Master of Health Sciences from Johns Hopkins University and her medical degree from the University of Connecticut. During her time as a Chief Resident, Paige received the Alpha Omega Alpha Post-Graduate Research Award for her work on the effects of language proficiency on patient care. After finishing her residency, Paige joined the Centers for Disease Control and Prevention (CDC) as an Epidemic Intelligence Service Officer, also called a 'disease detective'. At the CDC, Dr. Armstrong is able to use her public health and emergency medicine background to respond to outbreaks, work with international colleagues, and respond to public health emergencies, such as Zika.

*"GW was a perfect fit for me because it allowed me to train in one of the busiest, highest acuity settings in Emergency Medicine, while still allowing me to grow in my other interests. Faculty are experts in EM and many additional areas; the mentorship is unmatched." - Dr. Armstrong*



## Fareen Zaver, M.D., RES '16

Currently on faculty at the University of Calgary Emergency Medicine department, Fareen is a previous GW Emergency Medicine Chief Resident. Dr. Zaver co-founded and is the lead editor of the ALiEM AIR-Pro educational series, an asynchronous curriculum used by residents around the world to learn senior level emergency medicine content. She is also on the editorial board of CanadiEM, an EM-focused educational site and has edited multiple posts on ALiEM for current chief residents. She is currently the co-fellowship director of the CanadiEM Digital Scholars Program, a nationally based fellowship on digital scholarship. She co-authored the 2016 Must Read EM Journal Articles and won the 2016 Best Educational Innovation Award by the Canadian Association of Emergency Physicians. She was awarded the George Washington University Emergency Departmental Teaching Award and Academic Excellence Award in 2016.

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**THE GEORGE WASHINGTON UNIVERSITY**

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WASHINGTON, DC