



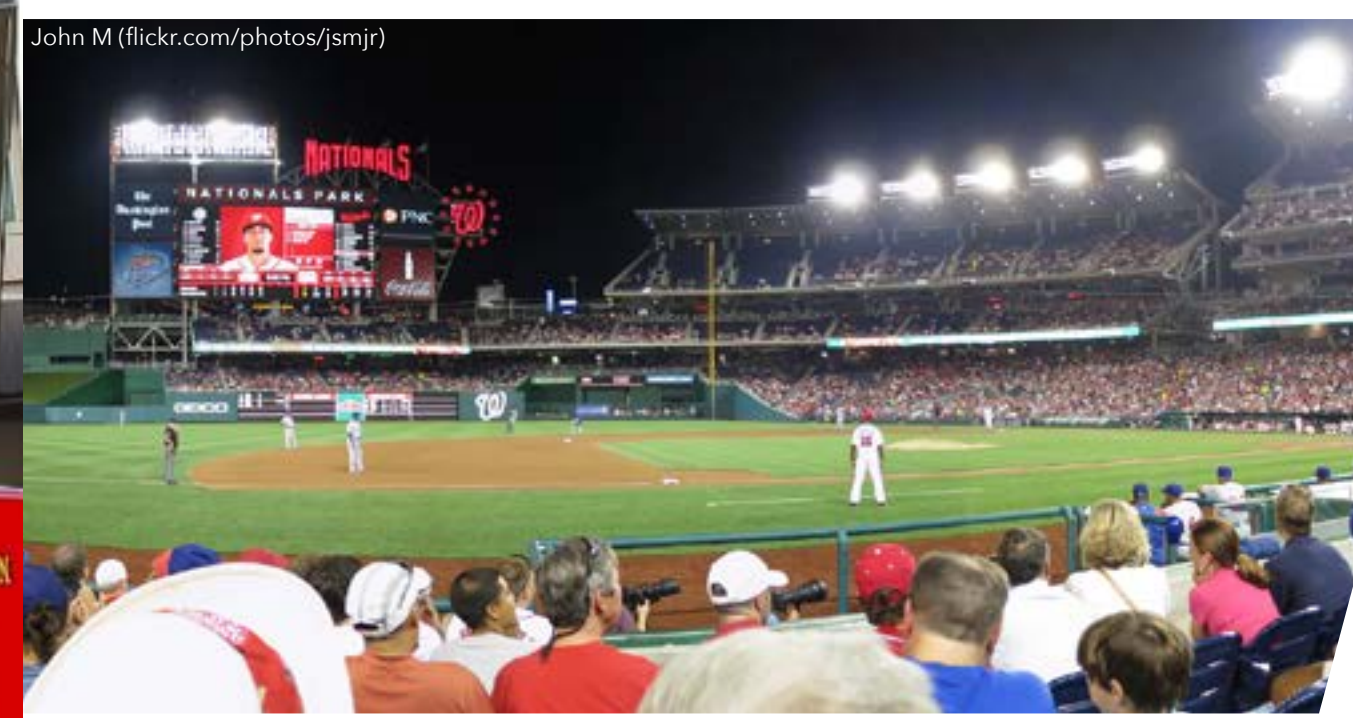
School of Medicine & Health Sciences

# EXPERIENCE D.C.

THE GEORGE WASHINGTON UNIVERSITY HOSPITAL



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**FELLOWSHIPS** IN  
*Emergency Medicine*

The George Washington University Medical Faculty Associates  
Department of Emergency Medicine

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[smhs.gwu.edu/emed/education-training/fellowships](http://smhs.gwu.edu/emed/education-training/fellowships)

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GW emergency medicine fellowship programs prepare emergency physicians to assume faculty and leadership positions in a wide variety of subspecialty fields.

#### PROGRAM HIGHLIGHTS FOR ALL GW EMED FELLOWSHIPS:

- ▲ Executive coaching
- ▲ Media coaching through ACEP
- ▲ Well developed clinical research infrastructure
- ▲ Master's degrees in related disciplines
- ▲ Joint fellowship curriculum
- ▲ Work and live in the nation's capital
- ▲ Innovative medicine and remote health programs
- ▲ International programs
- ▲ Access to executive and legislative policy makers and a wide range of advocacy organizations
- ▲ Teach medical students and residents
- ▲ Interdisciplinary, multi-school collaboration



#### International Emergency Medicine & Global Public Health

Fellows actively participate in the implementation of new and ongoing capacity development projects with a focus on improving Emergency Medicine education, clinical and prehospital systems throughout the world.

Two year fellowship:

- ▲ Collaboration with GW's Milken Institute School of Public Health and the Ronald Reagan Institute of Emergency Medicine.
- ▲ Training in Emergency Medical Services (EMS) education and system design and disaster preparedness
- ▲ Obtain an M.P.H. at the GW Milken Institute School of Public Health in the Department of Global Health.
- ▲ Spend a significant portion of time during each year abroad working on various health projects.
- ▲ Monthly didactic lectures will cover relevant topics such as project development, international health, international organizations and NGO's.
- ▲ May choose elective rotations with the following agencies and lending institutions (World Bank, IADB, CDC, USAID, AIHA, PAHO, FEMA, DHHS).

**DIRECTOR:**

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#### Clinical Research

This specialized clinical research fellowship provides a unique opportunity for advanced professional training. The fellowship focuses on developing robust research skills, with special emphasis on clinical research design, critical appraisal of the literature, statistical analysis, presentation of results, manuscript preparation, and grant writing.

Two year fellowship:

- ▲ Obtain a Master in Public Health degree (M.P.H.) with a special emphasis on epidemiology and biostatistics.
- ▲ Work with clinical researchers in various fields with funding from the National Institutes of Health (NIH), the Centers for Disease Control and Prevention (CDC), other foundations and industry.
- ▲ Attend two national research meetings each year.
- ▲ Weekly research meetings on topics including developing research projects, grant development, IRB processing, ethical conduct of research, statistical analysis, and manuscript preparation.

**DIRECTOR:**

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**DIRECTOR:**

*Andrew Meltzer, M.D.*  
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## Operations Research

Fellows learn research methods and practical techniques to implement and study operational interventions in the emergency department. The scope of the fellowship content and project (i.e., more research or more implementation) is decided upon by the fellow and the fellowship director.

Two year fellowship:

- ▲ Obtain a M.P.H. or MHA in GW's Milken Institute School of Public Health, or an M.S. in Systems Engineering from the George Washington School of Engineering and Applied Science.
- ▲ Take part in ongoing projects within the Section of Emergency Department Administration in the Department of Emergency Medicine.
- ▲ Design and test a quality improvement project within the GW ED or affiliated EDs.
- ▲ Mentoring will be provided to conduct two research projects on quality improvement and assessment of a topic specific to ED administration, quality of care, or operations using secondary data source or simulation model.

**DIRECTOR:**

*Jesse M. Pines, M.D., M.B.A., MSCE*  
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## Ultrasound

Fellows gain expertise in clinical applications of bedside ultrasound, learn aspects of ED ultrasound program administration, participate in an active training curriculum and perform research. Fellows work toward RDMS certification during fellowship.

One year Fellowship:

- ▲ Ultrasound journal club - a monthly review of the emergency and critical care ultrasound literature.
- ▲ Weekly quality assurance review of all ultrasound images recorded from GW University Hospital and Prince George's Hospital Center emergency departments. This exposes the fellow to a broad range of pathology and teaches critical interpretation skills
- ▲ Participate in ongoing research projects and receive mentorship in taking their own project from idea through IRB and data collection to presentation at national/international meetings.
- ▲ Solidify ultrasound knowledge by teaching others, both at GW (medical students and residents) as well as at CME courses locally and internationally

**DIRECTOR:**

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## Health Policy

Fellows pursue a didactic fellowship curriculum and have the opportunity to rotate through congressional or federal agency offices. Fellows will work on a variety of policy-related contracts and research projects.

Two year fellowship:

- ▲ Obtain formal training in policy analysis, development, and evaluation.
- ▲ Use coursework in the Milken Institute School of Public Health towards a formal master's of public health degree in health policy.
- ▲ Work full-time in a congressional office, government agency, think tank, or advocacy organization. The fellow will be actively involved in substantive policy activities—gaining firsthand experience in the legislative, administrative, and political processes.
- ▲ Join ongoing projects in health policy and health services research in the department and the Milken Institute School of Public Health.

**DIRECTOR:**

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## Extreme Environmental Medicine

Fellows are trained to identify and treat unique health problems when operating in an unusual and remote environment with limited resources, significant clinical autonomy, and no access to definitive health care systems.

One year fellowship:

- ▲ Extramural formal instruction in wilderness medicine, environmental health, aerospace medicine, diving/hyperbaric medicine, and disaster medicine.
- ▲ Work with experts in the field of extreme environmental medicine at the George Washington University School of Medicine and Health Sciences to integrate didactic training with hands-on experience in the clinical setting in specialty areas such as hyperbaric medicine, telemedicine, and sonography.
- ▲ Develop the skills necessary to complete a research project in the field of extreme environmental medicine.
- ▲ Ability to pursue master's course work at George Washington University.

**DIRECTOR:**

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## Medical Education

The program, with a concentration in Simulation, combines educational requirements, research, and clinical experience to provide a comprehensive education in the use of simulation in medical education.

One year fellowship:

- ▲ Advanced training in simulation education and curriculum design / evaluation.
- ▲ Master Teacher Leadership Development Program through the Graduate School of Education and Human Development. A certificate program, its credits can be applied toward a Master's in Education.
- ▲ Develop simulation training skills in the SMHS Clinical Learning and Simulation Skills (CLASS) Center.
- ▲ Create and implement an independent simulation based research project.

**DIRECTOR:**

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## Medical Leadership and Operations Fellowship for EM graduates

The Medical Leadership Operations and Leadership Fellowship is designed to prepare graduates of Emergency Medical residency programs to prepare for positions as emergency medicine and multispecialty group practice leaders of the future. The fellowship's curriculum is divided into 5 sections.

Two year fellowship:

- ▲ Emergency Department and Academic EM Department operations.
- ▲ Hospital Medical Direction
- ▲ Ambulatory and urgent care practice management
- ▲ Telehealth
- ▲ Research

**DIRECTOR:**

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**DIRECTOR:**

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## Telemedicine

This program will enable fellows to develop competence in the delivery of telemedicine and digital health solutions, leadership in establishing new programs, shape regulation and policy, and gain research experience in order to significantly impact the rapidly growing and changing field of telemedicine, telehealth, remote health monitoring and mobile health. The cumulative experiences, didactics, and mentoring available in this fellowship will prepare physicians for leadership positions in hospitals, pharma, health technology industry, and startup companies.

Two year fellowship:

- ▲ Fellows may complete a Masters' Degree in the George Washington Schools of Engineering and Applied Sciences, Public Health or Business.
- ▲ Acquire the skills to conduct remote medical consultation via phone, store and forward, and real-time video technologies.
- ▲ Develop and implement a telemedicine project or contribute significantly to the quality improvement and growth of an existing project.
- ▲ Gain expertise in relevant regulatory, technical and managerial challenges in implementing telehealth and digital health solutions

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The GW Medical  
Faculty Associates

Department of  
Emergency Medicine

