University of Pittsburgh
Emergency Medical Services Fellowship
Dear Applicant,  

Thank you for your interest in the University of Pittsburgh Emergency Medical Services Fellowship, which is offered through the Department of Emergency Medicine. Now is an exciting time to pursue an EMS career, given the recent recognition of EMS by the American Board of Medical Specialties as a unique subspecialty. Since 1990 our program has trained 19 EMS fellows, many of whom now serve in EMS, public service and academic leadership roles.  

We offer a one-year program of hands-on experience, mentorship, and didactics that covers the breadth of clinical, operational, and administrative core content of the specialty of EMS. This ACGME accredited program prepares trainees to pass the American Board of Emergency Medicine subspecialty exam in EMS and to assume leadership roles in EMS. We offer diverse experiences to provide the practical knowledge to be successful in all areas of prehospital medicine and disaster preparedness. An optional second year is also available, with longitudinal clinical field experiences across both fellowship years and the opportunity to complete a master’s degree or certificate program in public health, clinical research, or education.  

Our program resources include:

- Seven faculty members who are Board Certified in Emergency Medical Services.  
- The Department of Emergency Medicine and its Divisions of EMS and Research.  
- The University of Pittsburgh Residency in Emergency Medicine.  
- The City of Pittsburgh Department of Public Safety’s Bureaus of EMS, Fire, and Police.  
- The Center for Emergency Medicine of Western Pennsylvania including:
  - STAT MedEvac critical care transport service  
  - World renowned EMS provider education programs  
  - EMed Health, a pioneering community paramedicine program  
- UPMC Prehospital Care, providing medical direction to over 40 ALS and 40 BLS EMS agencies.  
- The UPMC Medical Communications Center, through which we provide online medical command to ground and air EMS agencies, as well as 14 commercial airlines.  
- The University of Pittsburgh School of Public Health.  
- Several Tactical EMS programs in Southwestern Pennsylvania, including the City of Pittsburgh.  

If you are not familiar with Pittsburgh, we welcome you to get to know this vibrant city. Once known for its steel industry, Pittsburgh is now a hub of innovation in healthcare, education, and technology. It has been common for our residents and fellows to come to Pittsburgh for a great training experience and find a new place to call home. The cost of living and crime rates are low, there are big city amenities, including world-class sports teams and the arts, and we are close to a variety of outdoor activities including hiking, skiing, and white water rafting.  

The enclosed materials provide additional information about our program. If you have any additional questions, please do not hesitate to contact us.

Ronald N. Roth, MD, FACEP  
Chief, Division of EMS  
Director, EMS Fellowship  
rothrn@upmc.edu

Christian Martin-Gill, MD, MPH, FACEP  
Associate Director, EMS Fellowship  
martingillc2@upmc.edu
Program Overview

This well-established EMS Fellowship prepares the emergency physician to be a medical director for ground and air EMS services. Fellows obtain extensive experience in the clinical practice of prehospital care, as well as in the administration, education, research, and practical aspects of prehospital care. Through the availability of a wide variety of EMS experiences, the EMS Fellowship provides its graduates with the knowledge base and experience necessary to be successful in a variety of EMS systems and leadership positions.

The City of Pittsburgh

Pittsburgh is the second largest city in Pennsylvania and has a population of 310,000. It is the county seat of Allegheny County, which has a population of 1.2 million, and sits at the heart of an eight-county metropolitan area with a population of 2.5 million. Today, Pittsburgh’s major industries center on healthcare, education, and technology. Pittsburgh was selected three times as the Most Livable City in the US. The city has received other top rankings including, the brainiest city, the best arts destination for midsized cities, the place to buy a home and the best football fans in the NFL. The city’s largest employers are the University of Pittsburgh Medical Center (UPMC) and the University of Pittsburgh. The Pittsburgh metropolitan area is home to more than 20 colleges and universities, as well as world-class sports teams including the Pittsburgh Steelers, Pittsburgh Penguins, and Pittsburgh Pirates, whose major league baseball stadium was voted #1 in the nation (NY Times, 2011). With easy access to affordable housing and numerous amenities, Pittsburgh is an easy city to live in and enjoy. For more information about living and/or moving to Pittsburgh, please visit: http://www.relocate.pghdocs.pitt.edu.


EMS System

City of Pittsburgh Department of Public Safety

The City of Pittsburgh Department of Public Safety includes the Bureaus of EMS, Fire, and Police. The City’s Bureau of EMS is an urban municipal third-service EMS agency that responds to 65,000 calls for assistance per year. It provides Advanced Life Support, Vehicle Rescue, Technical Rescue, River Rescue, hazardous materials response, and medical coverage for mass gathering events. The Bureau of Fire provides first responder services, and the combined bureaus provide medical support for police (SWAT) and hazardous materials teams.

The EMS Fellow functions as an Assistant Medical Director and participates in the medical direction of 160 paramedics that form the Bureau of EMS. Additionally, the EMS Fellow has the opportunity to staff a response vehicle along with Emergency Medicine residents, who provide 24/7 prehospital physician coverage and online medical command for the City of Pittsburgh. Additional access to a secondary physician vehicle is available for response to large medical events, such as multiple alarm fires and multi-casualty incidents.

UPMC Prehospital Care

UPMC Prehospital Care provides medical direction for over 40 ALS and 40 BLS suburban and rural ground EMS agencies in the Pittsburgh metropolitan region, each with a primary EMS Medical Director. EMS Fellows have opportunities to serve as a Medical Director or Associate Medical Director for one or more EMS agencies. System-wide quality improvement, education, and medical direction are overseen by two medical directors who are EMS Fellowship faculty, and provide opportunities for EMS Fellows to participate in these activities, including experience in suburban, rural, private, and volunteer EMS systems. A solid support infrastructure is provided by the UPMC Prehospital Care, team comprised of experienced paramedics and prehospital nurses who serve as EMS Specialists assigned to each EMS agency. The EMS Specialists liaison with the agency leadership and workforce, while coordinating support resources available throughout the UPMC hospital network, all in concert with the medical directors. One of the unique teaching and treatment resources available through UPMC Prehospital Care is the *Simulation and Medical Resource Training (SMART) Unit*, a multi-purpose mobile unit that includes two fully-equipped emergency treatment rooms and a triage and control area, along with audiovisual equipment that makes it suitable for provision of mass gathering medical care as well as on-site training for EMS agencies.
STAT MedEvac Critical Care Transport Service

STAT MedEvac is the region’s largest air medical program and staffs 17 rotor wing aircraft in Pennsylvania and surrounding states. It also provides national and international fixed wing transports. STAT MedEvac completes over 10,000 missions per year, including scene runs and critical care inter-facility transports. Flight crews are primarily composed of a flight nurse and flight paramedic team but also include flight nurse/physician and flight paramedic/physician teams. A robust quality assessment and improvement program is overseen by a large Medical Department, including three Medical Directors, who are all graduates of the University of Pittsburgh EMS Fellowship.

EMS Fellows and Emergency Medicine residents at the University of Pittsburgh routinely take part as 2nd or 3rd crew members on aircraft as Flight Physicians. EMS Fellows actively participate as members of the Medical Department and gain experience in the administration and medical direction of a large and busy air medical service.

Find out more about STAT MedEvac at www.statmedevac.com.

Disaster Management Training and the Pennsylvania Region 13 Task Force

The idea for the PA Region 13 Task Force came from the exploration of ideas and philosophies developed during 3 years of discussion in the Pittsburgh-Allegheny County Weapons of Mass Destruction Working Group. The group realized that during any significant “All Hazards” or terrorism event, the entire region or multiple counties would be called upon to assist local responders. The foundation of PA Region 13 in Southwestern Pennsylvania was coordinated by an unprecedented intergovernmental agreement among the 13 counties and the City of Pittsburgh. To date, the task Force has been operationally tested with the Flight 93 air crash in Somerset County, the Quecreek Mine rescue, a Hepatitis A outbreak in Beaver County, numerous other natural disasters, and large-scale planned events such as the MLB All Stars Game and the Pittsburgh G-20 Summit. The EMS Fellow has the opportunity to learn the practical aspects of emergency preparedness and disaster response through participation in events such as these and collaboration with multiple agencies, including Urban Search and Rescue, the Metropolitan Medical Response System, and HazMat Medical and EMS Task Forces.
Tactical EMS Program

The City of Pittsburgh Bureau of EMS has an active Tactical EMS program. The program comprises of paramedics from the Bureau of EMS who work with the Bureau of Police as part of specialized teams deployed during special incidents. Medical direction of this program is provided by one of our department’s EMS faculty members. EMS Fellows gain experience in tactical medicine through structured didactics and involvement in the continuing education of Tactical EMS personnel. EMS Fellows with a particular interest in tactical medicine can take an active role in medical direction of the Tactical EMS program. Fellows can obtain additional training in tactical medicine and can then take call for field response in these situations.

UPMC Medical Communications Center

At the UPMC Medical Communications Center, physicians from the Department of Emergency Medicine, including EMS Fellows, provide a wide range of out-of-hospital medical command and consultation services. Online medical command is provided to ground EMS agencies throughout the Pittsburgh metropolitan region and surrounding counties. The Command Physician provides medical consultations for all 17 STAT MedEvac rotor wing bases. Additionally, 10,000 yearly medical consultations for 14 U.S. and international airlines are provided. These consultations are primarily comprised of in-flight medical emergencies for domestic and international flights. In total, UPMC emergency physicians provide over 30,000 medical consultations annually.
University of Pittsburgh Medical Center (UPMC)

UPMC is a $14 billion integrated global health system comprising of more than 30 hospitals, over 3,800 physicians, a health insurance services division, and international and commercial services. It employs nearly 80,000 people, making it the largest non-governmental employer in Pennsylvania. Through affiliations with the University of Pittsburgh, UPMC is using innovative science, technology, and medicine to deliver cost-efficient, patient-centered care.

This integrated health system, with shared electronic medical records, provides opportunities for University of Pittsburgh EMS Fellows to be involved in prehospital educational and research activities linking multiple facilities throughout the region. The performance of research in EMS populations in and around the Pittsburgh metropolitan area is facilitated by access to outcomes data for patients transported to many hospitals within the largest health system in the region.

The Department of Emergency Medicine at the University of Pittsburgh School of Medicine

For over 30 years, Pitt Emergency Medicine has been at the top of academic units in the country in every metric. Beginning with the 1978 recruitment of Ronald D. Stewart, MD to form the Section of Emergency Medicine and the Center for Emergency Medicine of Western PA, growth and excellence have followed. In 1981, the University of Pittsburgh Residency in Emergency Medicine was established and quickly gained national prominence as one of the most prolific programs in the nation.

Today, the Department of Emergency Medicine at the University of Pittsburgh School of Medicine (established in 1996) treats more than 210,000 patients each year and has over 80 faculty members, including Divisions of EMS, Research and Toxicology. Clinical sites include the Emergency Departments of four referral centers in Pittsburgh: UPMC Presbyterian Hospital (a Level 1 Trauma Center), UPMC Mercy Hospital (a Level 1 Trauma Center and Burn Center), UPMC Shadyside Hospital, and Magee Women’s Hospital of UPMC.

The EMS Division numbers over a dozen faculty members who participate in a variety of activities in online and off-line EMS medical direction, airline and traveler medical consultation, EMS research and education, tactical medicine, emergency preparedness, and disaster response. The Department has consistently been in the top of all NIH funded departments in the US and recently was awarded one of six K12 training grants in emergency medicine research.
EMS Research

Research and the creation of new knowledge about the practice of acute care medicine, is one of the core missions of the Department. Our faculty have a broad interest and expertise in several domains, with major projects focusing on cardiac arrest resuscitation, patient safety, EMS and fire provider safety, and other aspects of air and ground out-of-hospital care. Research activities of our Department include:

- **Critical Illness and Shock Research**: Together with Critical Care Medicine, we have forged national and international alliances to study the identification and management of critical illness and shock from sepsis and other conditions, from the field through the ED and intensive care unit.

- **Airway Management**: Leading the way in this vital task, Pitt EM has defined and refined the deployment of many life saving techniques and studied the effect on outcomes, advancing knowledge across the country.

- **Applied Physiology Lab (APL)**: The APL's mission is to advance health and wellness by expanding our understanding of acute and chronic challenges to physiology. We innovate to detect and predict physiologic derangements, optimize recovery, and improve performance. Fully equipped as a physiology and pharmacology laboratory, APL also tests drugs, devices and procedures in normal volunteers in preparation for implementation in the field.

- **Emergency Medical Service Agency Research Network (EMSARN)**: EMSARN is a network of EMS agencies assembled by academic and industry leaders to conduct research, translate that research into tools and resources, and disseminate these tools to the EMS community. The overall goal of EMSARN is to improve quality, safety, and performance in EMS nationwide.

University of Pittsburgh Fellows have been previous recipients of the Society for Academic Emergency Medicine / Physio-Control EMS Fellowship Grant and the National Association of EMS Physicians EMS Resuscitation Fellowship Grant. They are also key presenters at national meetings and highly sought-after peer reviewers of others' work.

EMS Fellows are encouraged to complete a research project. Resources include a dedicated Research Administrator, a Grants Administrator, and research assistants who actively participate in a variety of research studies. The deep faculty pool serve as mentors for fellows and provide guidance in research techniques, grant writing, and manuscript preparation.
## Program Components

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<thead>
<tr>
<th>Category</th>
<th>Component</th>
<th>Approx. Time</th>
<th>Hrs per Year</th>
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<tbody>
<tr>
<td><strong>Orientation</strong></td>
<td>Orientation Courses</td>
<td>28 hours/year</td>
<td>28</td>
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<tr>
<td>Core Program</td>
<td>Core Didactics</td>
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<td></td>
<td>Orientation Didactics</td>
<td>23 hours/year</td>
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<td></td>
<td>EMS Grand Rounds</td>
<td>6 hours/month</td>
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<td></td>
<td>Patient Safety Grand Rounds</td>
<td>2 hours x 5 sessions</td>
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<td></td>
<td>EMS Journal Club</td>
<td>1 hour/month</td>
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<td></td>
<td>EMS Sessions at EM Grand Rounds</td>
<td>8 hours/year</td>
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<td></td>
<td>Administrative Seminars: Pittsburgh EMS MDOC</td>
<td>1 hour/month</td>
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<td>M&amp;M: Division of EMS MDOC</td>
<td>1 hour/month</td>
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<td></td>
<td>Simulation Training</td>
<td>2.5 hours/quarter</td>
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<td></td>
<td>Self-Directed Learning</td>
<td>12 hours/year</td>
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<tr>
<td>Field Response</td>
<td>Prehospital Physician Response</td>
<td>24 hours/week</td>
<td>1,152</td>
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<td>EMS Supervisor Ride-Along</td>
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<td>UPMC Prehospital Care Field Response</td>
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<td>STAT MedEvac Flight Physician</td>
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<tr>
<td>Communications Center</td>
<td>Online Medical Consultations</td>
<td>8 hours/week</td>
<td>350</td>
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<tr>
<td>Administrative Meetings</td>
<td>City of Pittsburgh EMS CQI Committee</td>
<td>11 hours/month</td>
<td>130</td>
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<td>City of Pittsburgh District Chiefs</td>
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<td></td>
<td>STAT MedEvac Medical Department</td>
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<tr>
<td></td>
<td>City of Pittsburgh Bureau of Fire CQI Committee</td>
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<td></td>
<td>State/Regional EMS Meetings</td>
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<tr>
<td>Education/Teaching*</td>
<td>Center for Emergency Medicine</td>
<td>12 hours/quarter</td>
<td>48</td>
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<td>UPMC Prehospital Care</td>
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<td>City of Pittsburgh Bureau of EMS</td>
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<td>STAT MedEvac</td>
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<tr>
<td>Research/Scholarly Project*</td>
<td>NAEMSP Medical Directors Course</td>
<td>2.5 hours/week</td>
<td>120</td>
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<tr>
<td>Specialty Programs</td>
<td>Mass Gathering Medicine</td>
<td>11 hours/quarter</td>
<td>44</td>
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<td></td>
<td>City of Pittsburgh Marathon</td>
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<td></td>
<td>The Great Race</td>
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<td></td>
<td>University of Pittsburgh Football Games</td>
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<td></td>
<td>Other Events</td>
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<tr>
<td>Tactical Medicine</td>
<td>Tactical EMS Practical Education Session</td>
<td>8 hours/year</td>
<td>8</td>
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<td></td>
<td>Tactical Con-Ed Sessions</td>
<td>1 hour/quarter</td>
<td>4</td>
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<tr>
<td>Wilderness Medicine</td>
<td>Wilderness EMS Practical Education Session</td>
<td>8 hours/year</td>
<td>8</td>
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<tr>
<td>Disaster and Rescue Medicine</td>
<td>NIMS Training</td>
<td>14 hours/year</td>
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<td></td>
<td>Disaster Drills</td>
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<tr>
<td>Clinical</td>
<td>Emergency Department</td>
<td>9 hours/week</td>
<td>400</td>
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<td>Clinical Skills Maintenance</td>
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<tr>
<td><strong>TOTAL</strong></td>
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<td>2,509</td>
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Optional Second Year Program

We offer a second year in EMS training that affords the opportunity to obtain an advanced degree, as well as additional experience in the clinical, administrative, and research aspects of EMS. Over a 2-year program, fellows can pursue a masters-level degree, which is completed over both years of fellowship. Alternately, several certificate programs are also available, which can be completed solely in the second year. Available degrees from our partnering institutions include:

University of Pittsburgh Graduate School of Public Health:

**Masters of Public Health** (~30 credits)
http://www.publichealth.pitt.edu/interior.php?pageID=203

University of Pittsburgh Institute for Clinical Research Education:

**Masters of Science in Clinical Research** (~30 credits)
http://www.icre.pitt.edu/degrees/ms_cr.html

**Masters of Science in Medical Education** (~30 credits)
http://www.icre.pitt.edu/degrees/ms_meded.html

**Certificate in Clinical Research** (15 credits)
http://www.icre.pitt.edu/degrees/cert_cr.html

**Certificate in Medical Education** (15 credits)
http://www.icre.pitt.edu/degrees/cert_meded.html

In the second year, fellows can continue to be actively involved in all aspects of EMS, including clinical and administrative functions. Fellows continue to be involved in scene response within the City of Pittsburgh, as Flight Physicians with STAT MedEvac, and as consultants in the STAT-MD Communications Center. Through increased responsibility, fellows can take additional leadership roles within the EMS system, and have time to further their experience as Medical Directors of EMS agencies affiliated with UPMC Prehospital Care.

The 2-year program also allows fellows to have additional time to complete EMS research, including longitudinal or multiple projects that lead to publication. Supplemental didactics and seminars on research methods, grant writing, institutional review board, and other research topics are organized by the Division of Research. Additional mentorship is provided by faculty from the Divisions of EMS and Research. This added time affords a foundation that will facilitate future pursuits in EMS research and the completion of more robust quality improvement projects when leading an EMS system.
EMS Fellowship Core Faculty

Ronald N. Roth, MD
Professor
Director, EMS Fellowship
Chief, Division of EMS
Medical Director,
City of Pittsburgh
Dept. of Public Safety

Dr. Roth has over 30 years of experience in prehospital care in Pittsburgh. He is Medical Director for the Bureaus of EMS, Fire, and Police, as well as the Emergency Operations (911) Center. He has served as Director of the EMS Fellowship since 2006.

Christian Martin-Gill, MD, MPH
Assistant Professor
Assoc. Director, EMS Fellowship
Assoc. Medical Director,
STAT MedEvac &
UPMC Prehospital Care

Dr. Martin-Gill began his career in EMS as an EMT and paramedic in Virginia. He completed residency and an EMS Fellowship at the University of Pittsburgh. He provides medical direction for ground and air EMS agencies and has served as Associate Program Director of the EMS Fellowship since 2010.

Vincent N. Mosesso, MD
Professor
Associate Chief,
Division of EMS
Medical Director,
UPMC Prehospital Care

Dr. Mosesso is Medical Director of several EMS agencies, Associate Medical Director of the City of Pittsburgh Bureau of EMS, and Director of the EM Residency EMS rotation. He is also Medical Director of the Sudden Cardiac Arrest Association and of the NAEMT Advanced Medical Life Support program.

Department of Emergency Medicine Leadership

Donald M. Yealy, MD
Professor
Chair, Dept. of Emergency Medicine

Dr. Yealy completed residency and a Fellowship in Clinical Research at the University of Pittsburgh. He is past president of the Society for Academic Emergency Medicine and has authored more than 300 works. In 2009, he received the Outstanding Contribution in Research Award from the American College of Emergency Physicians.

Clifton W. Callaway, MD, PhD
Professor
Executive Vice Chair, Dept. of Emergency Medicine

Dr. Callaway holds the Ronald D. Stewart Endowed Chair of Emergency Medicine and is a Resuscitation Outcomes Consortium investigator. He serves as a research mentor to fellows and oversees the Department’s research programs, along with its Research Fellowship.
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Experience and Contributions</th>
</tr>
</thead>
<tbody>
<tr>
<td>T.J. Doyle, MD, MPH</td>
<td>Assistant Professor, Medical Director, STAT-MD Communications Center Assoc. Medical Director, STAT MedEvac</td>
<td>Dr. Doyle completed residency at the Univ. of North Carolina and an EMS Fellowship at the Univ. of Pittsburgh. He is Medical Director of the STAT MD Communication Center and has served on the Board of the Air Medical Physicians Association.</td>
</tr>
<tr>
<td>Jeremiah Escajeda, MD</td>
<td>Assistant Professor, Medical Director, UPMC Paramedic Response Teams</td>
<td>Dr. Escajeda completed residency and an EMS Fellowship at the University of Pittsburgh. He serves as a UPMC Medical Command physician and is Medical Director of several area EMS agencies, as well as the UPMC Prehospital Response Teams.</td>
</tr>
<tr>
<td>Francis X. Guyette, MD, MPH</td>
<td>Associate Professor, Medical Director, STAT MedEvac</td>
<td>Dr. Guyette completed residency and an EMS Fellowship at the University of Pittsburgh. He is an active researcher in EMS and serves as Medical Director of STAT MedEvac. In 2010, Dr. Guyette was recipient of the Barbara Hess Award for Research in Air Medicine.</td>
</tr>
<tr>
<td>Keith J. Murray, MD</td>
<td>Clinical Assistant Professor, Medical Director, City of Pittsburgh Tactical EMS Program</td>
<td>Dr. Murray completed residency at the University of Chicago and joined our department in 2011. He brings experience as a member of the Tactical EMS program in Chicago and is currently Medical Director for the City of Pittsburgh Tactical EMS program.</td>
</tr>
<tr>
<td>Paul M. Paris, MD</td>
<td>Professor, Regional Medical Director, EMSI Chief Medical Officer, Center for Emergency Medicine</td>
<td>Dr. Paris is the Regional Medical Director for the Emergency Medical Services Institute and medical director of multiple EMS agencies. He was a founder and former president of the National Association of EMS Physicians.</td>
</tr>
<tr>
<td>Adam Z. Tobias, MD, MPH</td>
<td>Assistant Professor, Associate Medical Director, Allegheny County Dept. of Emergency Services, Division of 9-1-1 Comm.</td>
<td>Dr. Tobias began his EMS career as an EMT and has had extensive involvement in EMS as a resident, EMS Fellow, and now EMS faculty at the University of Pittsburgh. He is also the Assistant Program Director of the University of Pittsburgh Emergency Medicine residency.</td>
</tr>
<tr>
<td>Richard J. Wadas, MD</td>
<td>President &amp; CMO, Emergency Resource Mgmt Inc, Associate Regional Medical Director, EMSI</td>
<td>Dr. Wadas completed residency at the University of Pittsburgh and oversees UPMC’s community ED sites. He has extensive experience as an EMS provider and medical director and is the Associate Regional Medical Director for EMSI.</td>
</tr>
</tbody>
</table>
Leonard Weiss, MD  
Clinical Instructor  
Dr. Weiss completed residency and an EMS Fellowship at the University of Pittsburgh. He serves as Medical Director of CMU EMS and has been a champion of the PulsePoint initiative in Pittsburgh to increase bystander CPR.

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<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Summary</th>
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<tbody>
<tr>
<td>James J. Menegazzi, PhD</td>
<td>Research Professor</td>
<td>Dr. Menegazzi's research focuses on resuscitation science including the management of out-of-hospital cardiac arrest. He is Editor-In-Chief of <em>Prehospital Emergency Care</em>, the premiere journal for Emergency Medical Services.</td>
</tr>
<tr>
<td>P. Daniel Patterson, PhD, MPH, MS</td>
<td>Assistant Professor</td>
<td>Dr. Patterson completed his PhD at the University of South Carolina. He is a renowned expert in patient and provider safety. He is the PI of EMSARN and leads multiple grant-funded projects related to provider safety, fatigue, and teamwork.</td>
</tr>
<tr>
<td>Jon C. Rittenberger, MD, MS</td>
<td>Associate Professor, Director, Applied Physiology Lab</td>
<td>Dr. Rittenberger completed Emergency Medicine residency and a Research Fellowship at the University of Pittsburgh. His research focuses on thermobiology, anoxic brain injury, and post-cardiac arrest care.</td>
</tr>
<tr>
<td>David D. Salcido, PhD</td>
<td>Research Instructor</td>
<td>Dr. Salcido's research focuses on cardiac arrest physiology, resuscitation device and robotics development, signal analysis, and emergency medicine epidemiology. He currently collaborates with EMS faculty on a wide range of research projects.</td>
</tr>
<tr>
<td>Brian P. Suffoletto, MD, MS</td>
<td>Assistant Professor</td>
<td>Dr. Suffoletto completed residency and a Research Fellowship at the University of Pittsburgh. His current focus is in using communication technology platforms (SMS, mobile apps) to improve patient support and health outcomes.</td>
</tr>
<tr>
<td>Joe Suyama, MD</td>
<td>Associate Professor, Chief of Emergency Services, Magee Women’s Hospital of UPMC</td>
<td>Dr. Suyama completed residency at the University of Cincinnati. He is Assistant Director of the Applied Physiology Lab. He has expertise in provider safety, disaster preparedness, &amp; tactical EMS.</td>
</tr>
</tbody>
</table>
Application

For an application to our EMS Fellowship program and additional instructions, please visit: [http://www.emergencymedicine.pitt.edu/education](http://www.emergencymedicine.pitt.edu/education). Applicants are strongly encouraged to discuss their interest in the program with the Fellowship Director at the time of application. Requests for additional information or any other questions can be directed to:

Ronald N. Roth, MD  
Director, EMS Fellowship  
Forbes Tower, Suite 10028  
3600 Forbes Avenue at Meyran Avenue  
Pittsburgh, PA 15260  
[rothrn@upmc.edu](mailto:rothrn@upmc.edu)

To allow adequate time for selection and scheduling of interviews, applications should be submitted by **September 1** for consideration for the following academic year.

For More Information

University of Pittsburgh Department of Emergency Medicine  
[http://www.emergencymedicine.pitt.edu](http://www.emergencymedicine.pitt.edu)

University of Pittsburgh Residency in Emergency Medicine  
[http://www.emergencymedicine.pitt.edu/education/residency/about-us](http://www.emergencymedicine.pitt.edu/education/residency/about-us)

About Pittsburgh  
[http://www.relocate.pghdocs.pitt.edu](http://www.relocate.pghdocs.pitt.edu)

City of Pittsburgh Bureau of EMS  
[http://www.pittsburghpa.gov/ems](http://www.pittsburghpa.gov/ems)

STAT MedEvac  
[http://www.statmedevac.com](http://www.statmedevac.com)

UPMC Prehospital Care  
[http://prehospitalcare.upmc.com](http://prehospitalcare.upmc.com)

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