OVERVIEW

The Section of EMS, Department of Emergency Medicine, Yale University School of Medicine offers a one- or two-year fellowship in EMS for emergency medicine residency-trained physicians. The ACGME-accredited program provides training and education in all aspects of EMS including academics, administration, medical oversight, research, teaching, and clinical components. The program is tailored toward academic and operational EMS, and the fellowship graduate will be prepared for a career in academic EMS and/or medical direction of a local or regional EMS system.

RESOURCES

The Section of EMS, based on the Yale medical campus in New Haven, is the academic center for EMS in the greater New Haven area. Five full-time and two part-time EMS faculty actively participate in EMS activities at the local, state, and national levels.

Yale has responsibility for regional EMS indirect medical oversight with the Yale-Haven Sponsor Hospital Program (YNSHP). This program provides medical oversight for approximately 225 paramedics, 700 EMTs, 115 first responders, and 275 dispatchers from 23 EMS agencies in twelve towns, including 14 fire departments, two private ambulance services, four police EMS services, one municipal third-service provider, one campus-based student EMS service, and the state’s only certified EMS physician response team, the Sponsor Hospital Area Response Physician (SHARP) Team, which is also run out of the YNSHP office. The team, currently staffed by five EMS physicians and three physician assistants, provides 24/7/365 coverage to support fire and EMS operations in the greater New Haven area. Recent responses have included complex extrications, mass casualty incidents including a mass CO exposure at a school and a plane crash, and a bioterrorism hoax. The EMS fellow is an active participant in the SHARP Team, taking independent call once qualified through completion of credentialing in emergency vehicle operations, hazardous materials operations, and incident command systems.

FACULTY

David C. Cone, MD, is the fellowship director and EMS Section Chief, holding the academic rank of professor. An active field provider since 1984, he serves as YNSHP dispatch medical director, and as chief of the SHARP Team. He served 15 years on the NAEMSP board (president 2007-2008), and is the Editor-in-Chief of Academic Emergency Medicine. He is ABEM-certified in EMS.

Sandy Bogucki, MD, PhD holds the academic rank of associate professor, and is director of Yale’s fire research program, a multi-center consortium that works on research and development of technologies to enhance the safety and effectiveness of firefighters, technical rescue personnel, and other responders. She is a past president of the board of the National Registry of EMTs, and served two terms on the NAEMSP board.

Ryan Carter, MD, MPH, MPP joined the faculty in 2011 after completing his EMS fellowship training at Brown University in Rhode Island. He coordinates resident education for the Section, and manages oversight of interfacility transport.

Anthony Tomassoni, MD, MS is the medical director of the Yale-New Haven Health System’s Office of Emergency Preparedness. Tony is board-certified in toxicology, and has research interest in hazardous materials and disaster management.

Ian Medoro, MD, is the 2013-14 fellow. A former firefighter/paramedic and flight paramedic, Ian has particular interest in EMS education.

Don MacMillan, MA, PA, EMT-P, serves as Section faculty and is the Emergency Management Coordinator for YNHH. A lieutenant commander in the US Naval Reserve, he received his Master of Arts degree in National Security and Strategic Studies from the Naval War College at Newport, RI, and recently completed his second deployment to Iraq.

Kevin Burns, PA-C, EMT-P, worked as a paramedic in New York State before joining the YNHH ED as a physician assistant. He serves as EMS Coordinator for Yale-New Haven Hospital.

Charlene Whiteman serves the Section as Senior Administrative Assistant.

PREVIOUS FELLOWS

2000-2001: Scott D. Weir, MD – now Operational Medical Director, Fairfax County (VA) Fire & Rescue Department and Medical Team Manager, FEMA Urban Search & Rescue Task Force VA-1.

2001-2002: Bethany A. Cummings, MA, DO – now Regional Medical Director, Lord Fairfax Emergency Medical Services Council, Winchester VA.

2002-2003: Michelle Perez, MD – now EMS Medical Director at Mid-State Hospital, Meriden CT.

2003-2004: Carin Van Gelder, MD – now EMS Medical Director at Windham Hospital, Windham CT.

2004-2005: Vivek Parwani, MD – served as faculty at the Section of EMS before relocating to North Carolina.


2008-2009: Derek Isenberg, MD, MS, NREMT-P – now medical director at Fitzgerald Mercy EMS in Darby, Pennsylvania.

2009-2011: Chris Lee, MD, MS - remained on faculty, enrolled in Yale’s Investigative Medicine PhD program.

2011-2012: Jay MacNeal, DO, MPH, NREMT-P – now EMS Medical Director, Janesville WI.

2012-2013: Marc Passo, MD, EMT-P – now an EMS physician in the Denver area.

CURRICULUM

The fellowship year is modeled on the “new curriculum” recently promulgated as part of the EMS subspecialty approval process, and meets all ACGME requirements.

There is a significant emphasis on field operations, and all fellows are offered the opportunity to complete Fire Fighter I or II training, leading to state certification, as well as dispatcher training. (Several Section faculty are certified firefighters, on active duty with area municipal volunteer fire departments.)

Attendance at the January NAEMSP and May/June SAEM meetings is ensured for fellows, along with completion of the NAEMSP National Medical Directors Course and Practicum for those who have not previously completed it.
RESEARCH

The Yale University School of Medicine is an academic environment with vast resources for both basic science and clinical research. Virtually any EMS research interest can be accommodated either directly through Section of EMS faculty or through collaboration with other University programs. Of particular relevance to clinical EMS fellows are the School of Public Health with its expertise and degree programs in Epidemiology and Biostatistics, the Telemedicine and Remote Monitoring Program in the Department of Surgery, the Multi-Disciplinary Biomedical Engineering Program, and the School of Organization and Management. Through Dr. Sandy Bogucki’s fire research program, fellows will also have access to a number of extramural research venues. For example, a Cooperative Research and Development Agreement (CRADA) has been executed between the Section of Emergency Medicine and the U.S. Army Research Institute of Environmental Medicine to study the physiology of structural fire fighting while wearing SCBA and full personal protective equipment. Other participants in the fire research program consortium include the Fire Research Labs at the National Institute for Standards and Technology, the US Fire Administration, and the Oak Ridge and Sandia National Laboratories.

BENEFITS

Fellows receive a Yale School of Medicine faculty appointment at the Instructor level. Fellows are entitled to the faculty benefits package and four weeks of vacation, and a competitive salary.

THE NEW HAVEN AREA

The area served by the local EMS system encompasses the city of New Haven and its surrounding towns, occupying the south-central coastline of Connecticut, along the Long Island Sound. The total population of New Haven County is 800,000, while the population of the twelve towns that form the primary service area of the sponsoring program is roughly 400,000. The area is known for its educational institutions, with Yale University, Southern CT State University, the University of New Haven, Albertus Magnus College, Quinnipiac University, and Gateway Community Technical College all in the primary service area. A large number of industrial, technology, and service companies are based in the area. While New Haven’s location provides easy access to both New York and Boston by car or rail, the area boasts its own world-class recreational and cultural attractions, including theatres, concert halls, museums, and many ethnically diverse restaurants.

For further information, call or email the Fellowship Director:
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e-mail: david.cone@yale.edu

Section of EMS, from left: Tomassoni, Burns, Bogucki, MacNeal, Carter, MacMillan, Cone.

Information regarding the fellowship and the Section of EMS is available via the internet at:
http://medicine.yale.edu/emergencymed/fellowships/ems/index.aspx