

## Staten Island University Hospital EM Mini-Fellowships

### Ultrasound

*Mini-fellowship Director: Dr. Simone Rudnin, Dr. Maria Tama*

The goal of the Ultrasound mini-fellowship is to provide the resident with a more focused Ultrasound experience and exposure during their 3 years of residency. The mini-fellow will be expected to show advanced proficiency in Ultrasound and to be involved in teaching and research projects in the department. They will create educational content with the mentorship of the Ultrasound division.

Requirements:

- Complete at least 1,000 approved Ultrasound scans
- Use Elective time in Ultrasound for medical student and resident teaching.
- > 20 hours of hands on teaching to students, Intern orientation
- Ultrasound image and video review. Run a tape review session and teach a rotating group.
- Publication of scholarly activity in the field of ED Ultrasound.
- Complete an Education of the Week on an Ultrasound topic
- Complete an Ultrasound training video for *Sono in Staten*
- Involvement in Ultrasound Welcome back event
- Learn the basics of US billing and secure image storage

### Teaching/Medical Education

*Mini-fellowship Director: Danielle Langan*

The teaching mini-fellowship is for residents who wish to have a focus on education in Emergency Medicine. Since education takes many forms, residents will have the opportunity to customize their learning experience and become involved in educational activities and projects in the department.

Requirements:

- Complete an Education of the Week on a Med ED topic
- Attend at least 2 Medical Education Seminars at SIUH
- Publish a scholarly project in Medical Education
- Significant involvement in medical student education. This can be in the form of Simulation cases, procedure training sessions, or lectures.
- Help with procedure training during the Intern boot camp and EM Experience.
- Create a script, record, edit, and publish a Podcast for *Only in Staten*.
- Work with the Med-Ed team on slide design, presentation skills, and public speaking and show significant improvement throughout residency in these areas.

## **Critical Care**

*Mini-fellowship Director: Dr. Arsalan Shawl*

The Critical Care Mini-Fellowship is a specialized track to prepare residents for a fellowship in Critical Care and Resuscitation. The goal of the mini-fellowship is to provide a better understanding of Critical Care medicine (CCM) and to provide the resident opportunities to advance research and educational content in CCM.

Requirements:

- Complete an Education of the Week on an Critical care topic
- Review and present 1 or more OOCHA video review
- Publication of scholarly activity in the field of critical care medicine
- Develop and complete a quality improvement project in the critical care area
- Complete vent management lecture series + lecture to residents
- Demonstrate procedural competency in High Acuity Low Opportunity procedures in the cadaver/simulation lab or on a patient
- Involvement in education of difficult airway simulation
- Develop 1 30 minute lecture each year on a various CC topic of their choosing

## **EMS**

*Mini-fellowship Director: Dr. Paul Barbara*

The EMS mini-fellowship is designed to provide a resident with a deeper understanding of prehospital and interfacility transfer medicine. Residents will work within SIUH, Northwell Center for Emergency Medical Services (CEMS) with our EMS faculty and potentially with FDNY Bureau of EMS. They will also have teaching opportunities for paramedics & EMTs, medical students and residents including lectures and hands-on educational sessions for both didactics and device-specific training . The resident will be encouraged to attend regional, state, and national EMS meetings. The resident will have opportunities to provide care at resource limited environment events that require medical oversight for exposure to event medicine opportunities. Ride-alongs with local units, supervisor tours in Nassau/Suffolk, and fly-alongs with SkyHealth and involvement with medical care at local events can also be arranged for interested residents.

Offline experiences such as department liaison work, quality projects and research will be an long-term expectation as this will build the resident's future capabilities in the professional sector.

Given the variety of opportunities in EMS post-graduation, this mini-fellowship can be individually tailored to suit the resident's interests.

Requirements:

Physical capability and mobility for prehospital / event medicine work.

## **Global/International EM**

*Mini-fellowship Director: Dr. Eric Cioe*

The Global EM track is designed to provide residents with the clinical experiences in emergency care delivery in global, domestic, and local communities. The resident will expand and improve their exposure in areas such as public health, clinical, research, advocacy, and policy. They will gain the skills and tools to improve and reduce health care disparities.

Requirements:

- Complete a 4 week Elective on a Global Health elective approved by the program
- Give a 30 minute presentation on your Global Health experience in conference
- Give your Senior lecture on an International/Global Health topic.
- Publish scholarly activity on a Global Health topic. This includes a PubMed publication, RebelEM write up, *Only in Staten* Podcast, or an Education for the Week.

## **Pediatric EM**

*Mini-fellowship Director: Dr. Yvonne Giunta*

The Pediatric Emergency Medicine (PEM) Mini-Fellowship is designed to give advanced exposure to residents interested in pediatric medicine. The resident will have the opportunity to plan PEM conferences, network with the SIUH PEM and NICU divisions, and advance their teaching and procedural skills. They will conduct research and publish scholarly activity in PEM.

Requirements:

- Publication of scholarly activity in the field of Pediatric Emergency Medicine
- Assist with PALS and NRP training during Intern orientation
- Develop a new Emergency Medicine pediatric Simulation case with appropriate debrief education/information
- Assist in Medical student Simulation cases and delivery on a pediatric case.
- Help run the pediatric procedure training aspects of Intern orientation.
- Develop and publish a Pediatric Education for the Week.
- Develop a Process Improvement project that advances care in the Pediatric ED at SIUH.
- Assist with Suture and Splint labs for Interns and Pediatric residents

## **Simulation**

*Mini-fellowship Director: Dr. Rodrigo Kong, Dr. Eric Levy*

The goals of the mini-fellowship are to learn the basics of medical simulation and advance your education in the art of Simulation. Residents will learn how to write, deliver, and debrief a Simulation

case. They will help out with Intern orientation and with medical student education. Residents will also design a project for publication for regional/national conferences.

Requirements:

- Review and present 1 or more OOCHA video review
- Publication of scholarly activity in the field of Simulation.
- Develop a new Emergency Medicine Simulation case with appropriate debrief education/information
- Assist in Medical student Simulation cases and delivery
- Help run Intern orientation Kong bootcamp
- Assistance with preparation or delivery of Simulation in EM Experience
- Demonstrate procedural competency in High Acuity Low Opportunity procedures in the cadaver/simulation lab or on a patient
- Compete in ALLNYC or National SIMWars for the SIUH team.

## **Toxicology**

*Mini-fellowship Director: Dr. Nima Majlesi*

The toxicology mini-fellowship is designed for residents who intend on applying for a Toxicology fellowship. The resident will get more exposure to toxicologic cases and be involved with consults with the Toxicology division. They will also pursue scholarly activity on a Toxicologic topic and have the opportunity to teach fellow residents and medical students.

Requirements:

- Use Elective or Selective time for additional Toxicology exposure.
- Attend Toxicology journal club sessions in conjunction with Northwell or the NYC Poison Control Center
- Be involved with the On Call Toxicology service and cover calls for the Emergency Department.
- Lecture residents on a Toxicology topic.
- Medical student involvement with lectures or Toxicology based Simulation cases.
- Complete scholarly activity in Toxicology to include a Podcast, Rebel EM write up, or other scholarly publication.
- Perform multiple clinical consultations with the Toxicology team, managing critical overdose and withdrawal states in both adults and pediatrics.

## **Administration**

*Mini-fellowship Director: Dr. Norman Ng*

The Administration mini-fellowship is designed to give residents experience who are interested in Emergency Department administration. They will be involved in quality improvement projects and provide additional help during Morbidity/Mortality and Process Improvement conference. They will

have additional ED and hospital administration exposure to learn leadership and management skills. They will publish scholarly activity on an Admin topic.

Requirements:

- Develop and complete a quality improvement project in the Emergency Department
- Use Selective or Elective time for Administration
- Help prepare and present at two or more M+M conferences.
- Help prepare and present at one or more Peer Review conferences
- Complete one Process Improvement project in the department
- Publish scholarly activity on an Admin topic.
- Attend at least one operations meeting per year

## **Informatics**

*Mini-fellowship Director: Jerel Chacko*

The Informatics mini-fellowship is designed to give residents experience who are interested in health informatics. They will be involved in projects like EHR implementation and system integration. They will meet and work with the CMIO . They will publish scholarly activity on an informatics topic.

Requirements:

- Use your Elective time on a Medical Informatics elective approved by the residency.
- Publish scholarly activity on a Process Improvement project
- Attend Process Improvement and ED operation meetings with the department.
- Have active projects that advance patient care, improve medical education, or research novel ways of improving healthcare delivery.

## **Sports Medicine**

*Mini-fellowship Director: Dr. William Caputo*

The Sports Medicine mini-fellowship is designed to give residents experience who are interested in Sports Medicine and a potential fellowship in this field. The goal is to build up your CV and educational experiences in Sports Medicine. Requirements will include a combination of educational experiences and scholarship as outlined below:

Requirements:

- Use your Elective time on a Sports Medicine elective approved by the residency.
- Publish scholarly activity on a Sports Medicine topic.
- Perform a Rebel EM write-up on a Sports topic.
- Record, edit, and publish a podcast on a Sports topic.
- Lecture the residency on an appropriate topic in Sports Medicine

## **Social Emergency Medicine**

*Mini-fellowship Director: Dr. Elaine Rodriguez*

The Social Medicine mini-fellowship is designed to give residents experience who are interested in Social Medicine and a potential fellowship in this field. The goal is to build up your CV and educational experiences in Social Medicine. *The goal of the mini-fellowship is to introduce residents to Social Emergency Medicine and the impact of health inequities on patient outcomes within the Emergency Department (ED). Residents should also gain an understanding of how these barriers directly correlate with poor outcomes, high morbidity, and mortality, and how developing community outreach programs ultimately improve quality of care.* Requirements will include a combination of educational experiences and scholarship as outlined below:

Requirements:

- *Coordinate or co-manage 2-3 community outreach projects, focusing on developing administrative skills to effectively plan and execute these projects*
- *Present/publish on projects which the resident has coordinated or co managed*
- *Lecture residency regarding Health Equity and/or a topic of SEM and its impact on EM care*
- *Involvement in the Diversity Recruitment Day at SIUH*
- *Attend 3 Community Outreach programs*
- *Attend at least 1 Community SIUH meetings (option of attending a Hands on Deck meeting)*