

UMKC

# EMERGENCY MEDICINE

2020 NEWSLETTER

# A MESSAGE FROM THE CHAIRMAN 2020

**I'm humbled by the outstanding work that our faculty, residents, APPs, and nurses did (and continue to do) to insure top quality patient care while assuring the safety of the staff.**

Preparing for and implementing our Department and hospital response to COVID-19 has been an adventure. Early on there was an incredible amount of effort spent developing response plans, which proved challenging given the rapid evolution of knowledge and operational changes. Although the planning has slowed down, we continue to see waxing and waning COVID ED visits and hospitalizations. However, I'm humbled by the outstanding work that our faculty, residents, APPs, and nurses did (and continue to do) to insure top quality patient care while assuring the safety of the staff. The entire Department really stepped up to meet the needs of our patients and institution. Like many of you, we have learned an incredible amount on this journey but look forward to a post-pandemic world.

Dr. Gratton stepped down as Department Chair on December 31, 2019 after serving admirably for 13 years. He continues to serve as the Associate Chief Medical Officer for Truman Medical Centers. Fortunately (or unfortunately he would say) he stepped down in time to assume the role of the Chief Medical Officer of the Incident Commands Center for Truman Medical Centers response to COVID-19. He, along with Dr. Steele, has put in countless hours over the past months

addressing our institutional COVID response. Words can't begin to express the amount of gratitude that we have for their efforts. We are very fortunate to have had Dr. Gratton's leadership as Chair and continue to benefit from his wisdom, logical problem solving, and witty sense of humor. Thank you Dr. Gratton for the mentorship, leadership and service to the Department and Truman Medical Centers.

From an operations standpoint we were proud to achieve American College of Surgeons Level 1 trauma center status. This accomplishment was the result of years of hard work and effort by multiple individuals and the Departments of Emergency Medicine and Surgery. Specifically, I would highlight Drs. Carney and Sullivan's efforts from the EMS and ED perspectives. We continue to be a Missouri state certified STEMI center. Dr. O'Rourke continues to do an excellent job in his role as ED operations director. Under his leadership and that of Gina Rosser, ED nursing director, we continue to improve throughput and continue to have historically low "left without being seen" patient numbers. Karen Manley retired from her role as Department administrative assistant and we welcomed Ms. Carrie Carter to this position.

The residency program remains strong and just oriented the 45<sup>th</sup> class of residents! We continue to have 11 residents/year in a 1,2,3 format. Dr. Amy Stubbs remains the residency program director but there have been some other recent changes in the residency leadership. Drs. Emily Hillman and Kevin O'Rourke were named associate program directors and Dr. Melanie Camejo was named the assistant program director. Ms. Christina Mayne continue to serve as the residency program coordinator. Jayna Ross retired in March after serving as residency and student clerkship coordinators for 34 years. Jayna was herself an institution in our department; she single handedly held everything together and kept us all on track. She will be deeply missed but we wish her well in her retirement. Thank you Jayna for everything you did for us!

Dr. Camejo continues to serve as the EM student clerkship director. Her clerkship planning, response to COVID, and advocacy for the medical students was (and is) much appreciated. The clerkship continues to be highly rated and Dr. Camejo continues to be innovative in her approach to medical student education. She remains the faculty advisor for the Emergency Medicine Interest Group and continues to offer an annual emergency medicine procedural simulation experience for medical students. We also welcomed Ms. Lara Maisch this spring who became the EM student clerkship coordinator.

The Department faculty remain academically productive and we have three full-time research coordinators. We continue to be a site for the EMERGEency ID Net research network. We have multiple COVID-19 related research projects that are ongoing in addition to other faculty and resident research projects.

The faculty continue to remain very busy with other administrative responsibilities. Dr. Mark Steele continues to serve as the Executive Chief Clinical Officer for Truman Medical Centers and the Executive Medical Director for University Health Physicians. Dr. Christine Sullivan remains the Associate Dean for Professional Development and Dr. Stefanie Ellison continues as the Associate Dean for Learning Initiatives for UMKC. Dr. Jeff Hackman is the Chief Medical Information Officer and the Chief Quality Officer for TMC. Dr. Erica Carney remains busy as always as the EMS Medical Director for the City of Kansas City and is Chief of the EMS Section. Dr. Tyler Haas serves as the Associate EMS Medical Director. Dr. Christian and I continue to provide toxicology services to Children's Mercy and the University of Kansas Poison Control Center. Dr. Hillman is the Director of the UMKC Clinical Training Facility and recently earned her Master's degree in Health Professions Education. Dr. Subramanian leads the Wellness activities for the Department and is Chair of the TMC Wellness Committee. We were excited to welcome Dr. Brandon Elder back as faculty starting in August

2020 after having been at the University of Maryland for the past three years. Sadly, we had to say good-bye to Dr. Charlie Inboriboon who left the faculty after 8 years to relocate back to the Chicago to be closer to family. We appreciated all his innovative ideas and contributions to our Department and residency program. We wish him and his family well on the next chapter in their lives.

Under the new leadership of Virginia Wilson, the Program Director, and Dr. Carney, the Medical Director, the UMKC EMS Education Program is doing well and navigating through the challenges of COVID-19 as well. The Paramedic Program continues its accreditation by the Commission on Accreditation of Allied Health Programs.

We appreciate the support of our part-time prn faculty and our alumni. With your help and dedication we are able to provide our residents with a valued "mock oral boards" experience and we appreciate the shifts that are worked. Your community perspective and experiences are greatly appreciated by the residents, so thank you! Lastly, we certainly appreciate all financial donations from alumni. Your donations allow us to continue to support the various aspects of the residency including our annual emergency procedure lab and numerous wellness initiatives. Again, thank you alumni and please send us a personal update periodically and follow us on Facebook, Twitter, or Instagram.



**Adam Algren, MD**  
Chair, Department of Emergency Medicine



# BRIEFLY NOTED

## FACULTY

Adam Algren, MD  
Andrew Balk, MD  
Angela Bogle, MD  
Melanie Camejo, MD  
Erica Carney, MD  
Michael Christian, MD  
Brandon Elder, MD  
Stefanie R. Ellison, MD  
Steven Go, MD  
Matthew C. Gratton, MD  
Tyler Haas, MD  
Jeffrey L. Hackman, MD  
Emily Hillman, MD  
Thomas Hindsley, MD  
Heather Isom, MD  
Kevin O'Rourke, MD  
Mark T. Steele, MD  
Amy Stubbs, MD  
Srikala Subramanian, MD  
Christine Sullivan, MD

## ANCILLARY FACULTY

Monica Gaddis, PhD  
Jeremy Hampton, PharmD

## PART-TIME FACULTY

Joshua Abernathy, MD  
Michael Casner, MD  
Elliott Fried, MD  
Sean Mark, MD  
Jared Norman, DO  
James O'Brien, MD  
Ashley Olson, DO  
Hugh Ryan, MD  
Jacob Ruthstrom, MD  
Sarah Sartain, MD  
Nicholas Smith, DO  
Charles Spencer, MD  
Kevin Tran, DO  
Paul Williams, DO

## MID-LEVEL PROVIDERS

Adam Dobbins, NP  
Jennifer Humphreys, NP  
Amy Siebes, NP  
Jacqueline Still, NP  
George Varghese, PA  
Camille Williams-NP  
Carli Zegers, NP

## DEPARTMENT ADMINISTRATION

Carrie Carter, Senior Administrative assistant  
Lara Maisch, EM Student Clerkship Coordinator  
Christina Mayne, Residency Coordinator

## EM RESEARCH COORDINATORS

Danielle Beckman, RN, MSN, BSN, CRC  
Laurie Kemble, BHSRT, CRT, CCRC  
Lori Wilkerson, RN, BSN

## NURSING POSITIONS

Amy Peters, MBA, BSN, RN, is the Chief Nursing Officer at Truman Medical Centers.  
Gina Rosser, BSN, RN, is our Emergency Department Director.

## Nursing Education Coordinators:

Hannah Olson MBA, MSN, RN  
Christina Fenwick BSN, RN

## Current Clinical Team Managers:

Jennifer Wilson BSN, RN  
Lisa Smith BSN, RN  
Megan Carrol BSN, RN  
Blake Samskey, BSN, RN  
Becca Hotop, BSN, RN  
Lindsay Wiese, BSN, RN

Deborah Gilburn, MSN, RN is our SANE Manager

## CLASS OF 2023

Anna Bostrom, M.D. - University of Louisville School of Medicine  
Gabriel Cecenas Salas, D.O. - University of North Texas Health Science Center Texas College of Osteopathic Medicine  
Christopher Elberts, D.O. - A.T. Still University Kirksville College of Osteopathic Medicine  
Lindsey Harrison, D.O. - Des Moines University College of Osteopathic Medicine  
Conner Holthaus, M.D. - Western Michigan University School of Medicine

Helen Hoover, M.D. - University of Texas Medical School at Houston

Terra Matthews, D.O. - Des Moines University College of Osteopathic Medicine

Clinton Nelson, D.O. - Arizona College of Osteopathic Medicine of Midwestern University

Zachary Randall, M.D. - University of Missouri Kansas City School of Medicine

Keton Schroeder, M.D. - University of Missouri Kansas City School of Medicine

Austin Thompson, M.D. - Mercer University School of Medicine

## PRACTICE LOCATIONS 2020

Joshua Abernathy, M.D. - Olathe Medical Center, Olathe, Kansas  
Jesal Amin, M.D. - St. Francis Hospital, Cape Girardeau, Missouri  
Bradley Beran, D.O. - St. Francis Hospital, Cape Girardeau, Missouri

Ashley Borden, D.O. - Genesis Medical Center, Davenport, Iowa

German Candanedo, M.D. - Lee's Summit Medical Center, Lee's Summit, Missouri

Benjamin Cross, M.D. - Lawrence Memorial Hospital, Lawrence, Kansas

Sean Mark, M.D. - Research Medical Center, Kansas City, Missouri

James O'Brien, M.D. - AdventHealth Shawnee Mission, Merriam, Kansas

Ashley Olson, D.O. - Mosaic Hospital, St. Joseph, Missouri

James Tiehen, M.D. - Methodist Fremont Health, Fremont, Nebraska

Amanda Wavrin, D.O. - AdventHealth Shawnee Mission, Merriam, Kansas

## 2020 AWARDS

ROBERT M ELENBAAS PHARMD  
RESEARCH AWARD: Ashley Borden, D.O., June 2020. Truman Medical Center, Department of Emergency Medicine (chosen by EM Faculty)

RESIDENT OF THE YEAR: Ben Cross, M.D. Truman Medical Center, Department of Emergency Medicine (chosen by EM Faculty)

RESIDENT TEACHING AWARD: Ashley Olson, D.O. (Chosen by medical students rotating in department and rotating residents)

CMH EM RESIDENT OF THE YEAR: Sean Mark, M.D. (chosen by CMH Pediatric EM Faculty)

HIGHEST IN-TRAINING EXAM SCORES  
BY PG-Y CLASS: Sean Mark, M.D. (PGY3), Matt Cook, M.D. (PGY2), Nathan Rider, M.D. (PGY1)

MOST IMPROVED ITE SCORE: Patrick Brown, D.O. (PGY-2)

FACULTY TEACHING AWARD 2020: Kevin O'Rourke, M.D., Emily Hillman, M.D., Tyler Haas, M.D. (chosen by EM residents)

OUTSTANDING ACHIEVEMENT IN ULTRASOUND AWARD: Sean Mark, M.D. (PGY3)

OUTSTANDING EMS PRESENTATION AWARD: Karl Hesson, M.D. (PGY 2)

GADDIS OUTSTANDING CASE REPORT AWARD: Hunter Winstead, M.D. (PGY1)

## 2020 MOCK ORAL BOARD EXAMINERS

Nicholas Smith, D.O. ('17)  
Blair Cote, M.D. ('11)  
Brian Freeman, D.O. ('17)  
Doug Coe, M.D. ('07)  
Sara Sartain, M.D. ('12)  
Tim Stebbins, M.D. (2010)  
Kathryn Miner, D.O.  
Amy Doll, M.D. ('15)  
Emily Roth, M.D. ('15)

The date for the 2021 exam is Thursday, March 11, 2021. Sign up now and avoid the rush! Contact Christina Mayne (christina.mayne@tmcmed.org).

# CHIEF RESIDENTS

## Abigail Halleron, M.D.



This Kentuckian was born in Louisville and raised on bluegrass music and fried chicken. While I grew to enjoy the artistic and contemporary aspects to the Midwest culture in the city, I don't forget my roots. I love any craft I can get my hands on, spending time outdoors, and spending time with loved ones. Lately that has meant just painting on my porch. I always prefer playing sports to watching them. And yes you can catch me outside in bare feet. I have two cats, Asa and Bartleby, and Cali (my Australian shepherd who can't figure out if she would rather be a cat or a human). I met my fiancé while working in the ED on an away rotation. I handed her a flush and she took my heart. I interviewed in the Midwest and southeast largely and I was looking for a place that felt like both, like home. Everyone at Truman was so genuinely amicable and easy to talk to while the city was a perfect mix of big city with southern amenities. It felt like home and now it officially is! And thank goodness.

It was only a matter of time before people started figuring out I don't like bourbon.

## Patrick Brown, D.O.



I was born in Abilene, Texas and mostly grew up in Los Alamitos, California (suburb of Los Angeles). I completed my undergraduate pre-med at Arizona State University (Go Devils!) where I was a member of the Barrett Honors College program and graduated with a B.S. in genetics, cell and developmental biology with a minor in history. In between undergrad and medical school, I worked for a year as a scribe where I had my first experiences in the emergency department and I haven't looked back since. I graduated from Western University of Health Sciences in Pomona, California with my D.O. degree in 2018 and was fortunate enough to match to our fantastic EM residency program here in Kansas City. I knew after interviewing here that this program was a great fit for me and the past 2 years have confirmed that. I was also lucky enough to meet my girlfriend Jamie here in Kansas City fairly quickly after moving here.

When not at work, I like to spend time with Jamie and our two German shepherd dogs Otto and Luna, and enjoy all the good eats and activities that Kansas City has to offer. I also enjoy home improvement projects, getting outdoors to golf, hike, kayak/paddleboarding and going to Chiefs games and other sporting events.

I have been extremely proud to be a part of TMC EM for the past 2 years and I look forward to the honor of serving our program as chief resident this year. I can think of no better place to train to be an ER doc than our program and I am thrilled to play a role in making our program even better. After residency, I am looking to work in the community for a few years before transitioning to academic medicine.

## Matthew Cook, M.D.



I am originally from Springfield Missouri, but I spent part of my elementary school years in the Kansas City area. Growing up I spent most of my time playing sports, going to

Table Rock Lake with my family, and generally getting into trouble outside. I have a twin brother who is 10 minutes older than me and, although he is smarter and better looking, I will always be younger than him. After realizing I did not have the talent nor the work ethic to play any sports professionally I decided to go to college. I attended the University of Missouri with the original intent to get a degree in computer science. However, after my first calculus class, I chose to pursue a career in the sciences and got a biology degree. I graduated uncertain about what I wanted to do with my future, and got a job as an EMT in my hometown. This was a terrific experience and motivated me to return to school. After 1 year away, I eagerly returned to Mizzou for medical school. Med school flew by, I spent most of my time reading in the various coffee shops around Columbia, Missouri. In my final year I met my now girlfriend, Sara, who was a 2<sup>nd</sup> year medical student at Mizzou at the time. We met during the time I was interviewing for residency, and I was incredibly excited to match to a residency program in nearby Kansas City. She is now in her ophthalmology residency in Kansas City! I have loved living in KC for the past 2 years, and love training at this program. Since starting residency, I have developed a love for ultrasound. I am currently pursuing an ultrasound fellowship and hope to have a career in academic emergency medicine.

# ED OPERATIONS

It has been a wild and weird year for Emergency Medicine and the whole world. As a department, we cared for 61,500 patients last year, of which 10,600 were admitted. As Kansas City tried to get rid of diversion, we were on high capacity alert for less than 8 hours/month and EMS rewarded us with 14,850 patients. We continue to utilize APPs as a Provider-in-Triage and our Left without Being Seen was 2.4%. The median time to being seen by a provider was 10 minutes.

Our annual statistics are impressive when you consider that patient volume was down 40% during the peak of COVID stay-at-home orders. We saw 4300 less patients in March through June this year compared to the same time last year, but still maintained the same annual volume.

We are excited to welcome Dr. Brandon Elder back to the department in August, after losing Dr. Inboriboon to Chicago.

Dr. Typher has been named as the inaugural resident liaison to the Operations Committee.

It's been a fun year and I look forward to working with everyone to accomplish more things in the next year.

**Kevin O'Rourke**, MD Director of ED Operations

# RESIDENCY PROGRAM

Change has been the theme of the year for 2019-2020. From leadership changes to a worldwide pandemic, this year was memorable. One change we all feel greatly is the retirement of our beloved Ms. Jayna Ross who supported our program for over thirty years! She is greatly missed; her steadfastness and gentle guidance helped shape our program and the lives of many. We want to welcome Lara Maisch who has taken over Jayna's position. She started right at the beginning of COVID and has done a great job learning both old and news ropes as we all deal with new changes. We also say farewell to our Associate PD, Dr. Charlie Inboriboon who accepted a position at UIC, closer to his family. His novel curricular ideas and IT expertise helped our program evolve, his genuine compassion and kindness were examples for all of us. UMKC-EM is stronger for the both of them. The wonderful Drs. Emily Hillman and Kevin O'Rourke continue on with our leadership team as Associate Program Directors. We are also lucky to have Dr. Melanie Camejo, current Clerkship Director, take on the additional role of Assistant Program Director. Despite all these changes, we carry on our storied tradition with stellar administrative support, innovative faculty, and most of all, our amazing residents.

Some residency highlights from this past year include:

- We incorporated wellness and non-traditional topics into multiple didactic days this year! Puppy therapy, financial wellness, yoga, cooking class, and mindfulness were all woven into our curriculum this year.
- Providing staff for the medical tents at the Superbowl Champions Parade and Celebration. Go Chiefs!!!
- Multiple faculty and residents traveled to ACEP (Denver) and CORD (NYC) conferences together; both were fantastic professional development and camaraderie building events!
- Service learning: in the fall we spent the morning touring and helping with tasks at Operation Breakthrough, a local service organization.
- The now traditional Ladies' nights and Man days: Karaoke dressed as Disney Princesses (yes really!) and a Holiday light tour for the ladies, BBQ and pickleball for the guys.
- Checkout our Facebook, Instagram (@umkc.em), and Twitter (@umkcEM) accounts to keep up on all the latest happenings

All alumni are invited to attend our weekly conferences and socialize! Conferences are held every Thursday. During the pandemic all conferences are occurring virtually. For specific details or to be added to the conference schedule distribution list, please contact Christina Mayne (christina.mayne@tmcmmed.org).

In this time of uncertainty and change, I have never been prouder to be at this program; our faculty and residents' flexibility, dedication, and teamwork continue to inspire and humble me.

The residents always appreciate learning from our alumni and community partners who have participated in didactics, panel discussions, Mock Oral Boards, and clinical shifts. Many thanks to you and our tireless, dedicated faculty and staff who proudly carry on our UMKC-EM tradition.

**Amy Stubbs**, MD, Program Director

**Emily Hillman**, MD, Associate Program Director

**Kevin O'Rourke**, MD, Associate Program Director

**Melanie Camejo**, MD, Assistant Program Director and Clerkship Director

# DEPARTMENT UPDATES

## DEPARTMENT OF EMERGENCY MEDICINE COVID-19 RESPONSE

TMC is following recommendations given by the CDC. Each provider has access to appropriate PPE while working in the emergency department. We are fortunate to have exemplary hospital leadership, including several who are emergency physicians. Our former Chair, in his role as Truman Medical Center's Associate Chief Medical Officer, serves as the leader of the Incident Command Center responsible for managing the hospital's COVID-19 response. Dr. O'Rourke, our Associate Program Director is also the ED operations director and has been a key liaison between our residents and hospital leadership. Our department has hosted regular ED town halls with our Chair, hospital, and department leadership addressing our response to COVID-19. Our residents have the ability to submit anonymous questions and recommendations in advance. Our hospital sends daily email announcements regarding our COVID-19 response that are helpful and relevant.

TMC has also been a community leader during this time. We are keenly aware that the patient population we serve has been disproportionately affected by COVID. To that end, TMC/UHP has sponsored multiple community testing sites, initiated a drive-up testing site, and our physicians have participated in multiple community events, including educational panels and mask distribution.

Due to the 2020 COVID-19 pandemic there was an increasing need to practice skills related to managing COVID-19 patients, especially airway management. Additionally, hospital-based respiratory therapists, nurses, and faculty needed experience practicing with unique management approaches. Our department led the development of a curriculum that was piloted and reviewed by emergency medicine, anesthesia, and respiratory therapy. EM residents and faculty were able to get hands-on simulation airway practice to gain key skills in managing COVID-19 patients requiring intubation. We also created a variety of related educational videos demonstrating application of the approaches in our hospital environment using our equipment (intubation, PPE, etc). Since June we have returned to in person simulation training at our simulation center and have included COVID-19 patient management as part of our curriculum and will continue to do so.



Dr. Ellison (ED Faculty) handing out masks to community



Drs Subramanian and Krempels during a COVID airway simulation

## MATTHEW GRATTON, MD STEPS DOWN AS CHAIR OF EMERGENCY MEDICINE TMC/UMKC



Dr. Gratton

Dr. Gratton stepped down as Chair of Emergency Medicine effective January 1, 2020 after serving as Chair for the past 13 years. He continues to serve as the Associate Chief Medical Officer for Truman Medical Centers. He also was appointed to the role of the Chief Medical Officer of the Incident Commands Center for Truman Medical Center's response to COVID-19. We are very fortunate to have had his leadership as Chair. Thank you Dr. Gratton for mentorship, leadership and service to the Department and Truman Medical Center.

## ADAM ALGREN, MD APPOINTED CHAIR OF EMERGENCY MEDICINE, TMC/UMKC

Dr. Algren was appointed Interim Chair of Emergency Medicine effective January 1, 2020 and assumed the role of permanent Chair on October

1, 2020. Dr. Algren has served as a faculty member in the Department of Emergency Medicine since 2007. In addition to his Department clinical and administrative responsibilities he continues to provide medical toxicology services to Children's Mercy and the University of Kansas Hospital Poison Control Center.



Dr. Algren

## CHRISTINE SULLIVAN AWARDED THE BETTY M DREES, MD EXCELLENCE IN MENTORING LIFETIME ACHIEVEMENT AWARD

Dr. Sullivan was recently awarded the Betty M Drees, MD Excellence in Mentoring Lifetime Achievement Award by the UMKC School of Medicine. This award recognizes a faculty member who has made significant contributions to enhancing and developing the careers of faculty and trainees as a mentor.

Dr. Sullivan, a Professor of Emergency Medicine, is currently the Associate Dean for Professional Development at UMKC. Dr. Sullivan served as the EM residency program director from 2004-2014.



Dr. Sullivan with Dean Jackson



Drs Ellison, Sullivan, Gratton and Subramanian

## STEVEN GO, M.D. CONTINUES WITH 21 YEARS OF SERVICE WITH THE NBME!

Dr. Steven Go starts his 21<sup>st</sup> year of service with the National Board of Medical Examiners. He currently serves on the Board of Directors,

which helps set policy and direction for NBME's many initiatives worldwide. He is also a member of the United States Medical Licensing Examination (USMLE) Management Committee, which is responsible for policy, standard setting, and direction for all three Step exams that all physicians must pass to practice in the United States. He was recently appointed as Chair of an Interdisciplinary Review Committee responsible for secondary review and approval of Step 3 items. Finally, he serves on the Special Purpose Examination (SPEX) Management Committee, which oversees a joint NBME and Federation of State Medical Boards (FSMB) exam for physicians seeking licensure reinstatement or reactivation after some period of professional inactivity, or physicians involved in disciplinary proceedings in which a state board determines the need for evaluation.



Dr. Go

# DEPARTMENT UPDATES

## CHARLIE INBORIBOON, MD RECEIVED INMED HUMANITARIAN CRISIS RESPONSE AWARD



Dr. Inboriboon

Recently departed faculty member Charlie Inboriboon, MD was awarded the INMED Humanitarian Crisis Response Award. This award recognizes individuals and organizations who provide exemplary disaster response services for highly vulnerable communities. In doing so, they accentuate the value of life and provide an exemplary model for us all. He has collaborated to develop emergency medicine services in Laos, and to increase emergency medicine residency training capability at Chiang Mai University in Thailand. Dr. Inboriboon himself continues his own service in multiple nations including Thailand, India, Haiti, Kosovo, and Nicaragua.

## ERICA CARNEY, MD APPOINTED AS CO-CHAIR OF KANSAS CITY HEALTH COMMISSION



Dr. Carney

Dr. Erica Carney, EMS Medical Director for Kansas City, Missouri, was recently appointment by Kansas City Mayor Quinton Lucas to serve as a Co-Chair of the Kansas City Health Commission. In this capacity she will work to advise the Mayor and City Council on health-related activities and policies and advocate for the development of policies that support the health and well-being of the citizens of Kansas City.

## NEW MEDICAL EDUCATION/ SIMULATION FELLOWSHIP

Beginning in July 2020 our department founded a PGY4/5 Medical education/Simulation Fellowship program- and we are excited to announce that we matched our first fellow that will start in July 2021. This 1 or 2 year non-ACGME fellowship

program is designed for those interested in a career in academic emergency medicine and seeking to build skills in teaching, curricular development, simulation-based education, leadership, and medical education research. 2-year fellows will complete a Master of Health Professions Education (MHPE) degree (Graduate Certificate for 1-year fellows). Candidates must have graduated in good standing from an ACGME-accredited emergency medicine (EM) residency program and must be board-certified or board-eligible in EM. Contact fellowship program director Dr. Emily Hillman at [Emily.hillman@tmcmcd.org](mailto:Emily.hillman@tmcmcd.org) for more information. Please spread the word about this opportunity!

## RESIDENT WELLNESS INITIATIVES

Our residents and faculty have developed a wellness curriculum to face the unique challenges involved in emergency medicine training. We have aimed to substantiate wellness by incorporating it into regular and dedicated conference time. Our wellness activities focus on service, resiliency, and personal development. The curriculum continues to grow with creative ideas to support and empower residents.

Residents and faculty participated in various extra-curricular activities throughout the year including trivia and outings with furry friends. We host wellness days that offer guest speakers, field trips, book clubs, career information, and financial education- all ideas from residents wanting to better our program. The Wellness Committee

manages department awards, shout-outs, “Saves of the Month” and miscellaneous gifts in efforts to recognize those who go above and beyond. Ultimately, we aim to sustain a positive, open environment for all residents to feel welcome and fulfilled.

Attempting to keep our faculty and residents well during the 2020 pandemic has been both fulfilling and a challenge. We strived to instill the importance of mindfulness and healthy habits by incorporating and practicing mindfulness, good sleep hygiene and exercise into daily life. During our lockdown period we utilized zoom conferencing for our spring wellness conference. We did yoga with a mindfulness session and had some of our talented residents host a cooking class for our department. This fall, we were able to enjoy a safely distanced day on the lake at Shawnee Mission Park which also incorporated some good food and career advice.

## WELLNESS CURRICULUM

- Intern Welcome Week
- Service Days (spring and summer)
- Career Workshop
- Resiliency Day
- Post In-Training Exam Festivity
- Book Club
- Healthy habits
- Mindfulness and Exercise
- Miscellaneous outings, consultant mixers, gift giving, awards



EM Residents at rock climbing



Wellness Day



Follow us on Instagram!  
[@umkc\\_emig](https://www.instagram.com/umkc_emig)

## PROMOTIONS

Drs. Emily Hillman, Srikala Subramanian, Kevin O'Rourke, and Amy Stubbs were all promoted to Associate Professor of Emergency Medicine effective September 1, 2020. We congratulate them on this accomplishment as it reflected years of hard work and dedication.

## McNABNEY LECTURESHIP

Robert Muelleman, MD ('87), inaugural and past chair of emergency medicine at the University of Nebraska was scheduled to deliver the McNabney Lecture on the topic of wellness on April 2, 2020 but unfortunately this had to be canceled because of COVID. We look forward to rescheduling this again in the future.

## EMERGENCY MEDICINE CLERKSHIP

Lara Maisch has officially joined the EM Clerkship team as the new administrative assistant alongside Dr. Camejo. COVID has presented its challenges this year. Students are getting a variety of different experiences which include/have included: a 100% online clerkship, a hybrid clerkship both online and in person, and the full in person EM clerkship experience. Their safety is our top priority. We continue to make changes as necessary. This year, we hope to give the students the ability to place orders as well as document in the EMR.

**Melanie Camejo, MD**  
UMKC Emergency Medicine Student Clerkship Director

## EMERGENCY MEDICINE INTEREST GROUP

EMIG this year looks slightly different secondary to COVID. There were no SimWars competitions this year or other in person conferences to attend. The EMIG leaders are still working hard to arrange online Zoom meetings/gatherings to keep up with EM education. We hope to plan in person meetings/conferences in the future once it is safer for everyone.



Follow us on Instagram!  
**@umkc.em**

Through our EMS Section, the emergency medicine residents have graduated EMS exposure and responsibility throughout their training. This training begins with observational shifts, ambulance ride-a-longs, Medical Director ride-a-longs, and an EMS Fire Day. The senior residents progress as instructors in the EMS education programs, earn certification as Base Station Physicians to provide active on-line medical direction for the City, and become developers of new treatment protocols. Our physicians also have ample opportunity to work Event Medicine. Some recent examples include the 2020 Super Bowl Parade, the Air Show, and working the Chiefs and/or Royals games.

EMS opportunities for the UMKC School of Medicine medical students include the EM clerkship, a month-long EMS elective, and the Emergency Medicine Interest Group. The medical students receive lectures and demonstrations from the Kansas City Fire Department, UMKC Paramedic School, and Life Flight Eagle, the local air-ambulance service. UMKC SOM students can also undertake observation ride-a-longs with the Kansas City Fire Department.

Dr. Erica Carney remains the lead for resident and medical student EMS education, the Medical Director for the City of Kansas City Missouri and the Kansas City Fire Department, the Medical Director for the UMKC EMS Education System, and the Region A Medical Director.

Dr. Tyler Haas joined our faculty in 2019 after completing an EMS fellowship at Washington University in St. Louis and serves as the Associate EMS Medical Director for Kansas City, MO.

Our EMS Education Section includes our Program Director, Virginia Wilson, FF/EMT-P, BSBA, and the clinical instructors for the EMT and Paramedic training program. Virginia has served in multiple roles throughout her EMS career, and is a fantastic addition to our section.

### Erica Carney, M.D. FAEMS

EMS Section Chief, EMS Medical Director for the City of Kansas City Missouri, EMS Education Program Medical Director, Region A Medical Director

### Tyler Haas, M.D.

EMS Section Associate Chief, Associate EMS Medical Director for the City of Kansas City Missouri

### Virginia Wilson, FF/EMT-P, BSBA

Director EMS Education Program



Dr. Carney/EM Residents at the Chiefs parade



Dr. Carney/EM Residents at KCFD



EM Residents at EMS Day



EM Residents at EMS Day



Dr. Carney/EM Residents with the Blue Angels



EM Residents at EMS Day

# ALUMNI UPDATES

## ALUMNI UPDATES

**Will Beeler ('17):** Not much new here. Survived the first wave a COVID in Chicago. I just started a new job with IEMS/AMITA in the West burbs, which so far has been a lot less hectic/more safe.

**Blake Buchanan ('17):** I'm in my second year as the Political Advocacy Director of Florida for USACS and I am the chair of the Government Affairs Committee for the Florida College of Emergency Physicians

**Bob Edmonds ('16):** I wrapped up my second year as medical director of Langley Air Force base's ER and was PCS'ed (assigned) to Wright Patterson AFB out in Dayton, OH. The new job is a bit different, it's non clinical work as a ground surgical team (GST) instructor. A GST is a six person crew (ER doc, general surgeon, anesthesiologist/CRNA, OR tech, nurse, and medical administrator) that gets placed in remote/austere settings to do damage control surgery on casualties that would otherwise miss the golden hour of surgery due to long transport times. It's an interesting situation to place physicians into, as most of the resources we're used to having in the hospital are absent. We also had our third child, John, in September.

**Lance Hoffman ('01) reports:** I am still working the night shift in Fremont, NE in the ED at Methodist Fremont Health and have been for about 6 years. My wife, Heidi, is an inpatient nurse in Omaha on the Heart and Vascular Unit (CABG, LVAD, pacemakers, etc.) of Nebraska Medicine and really likes it. We have been married now for just over 22 years and have two sons, Alex and Conrad. Alex plays the trombone and is a music education major at Univ of NE-Lincoln intending to go on to become a symphonic conductor. He is starting his sophomore year in a week. Conrad just started his sophomore year at Millard West High School today. He is a saxophone player, but his career choice is wide open at this point. We traveled to the Black Hills of South Dakota not long ago looking to possibly relocate to that area in a few years after Conrad graduates from high school. We have two very energetic rescue dogs, both between about 2-3 years of age. Patches is a border collie mix and Spring is a heeler mix. They play very well together and help each other burn off the energy we can't by walking them. Finally, we have a ridiculously old guinea pig named Sugar. She is over 7 years old and shows no signs of slowing down.

**Sajid Khan ('08):** Maryam and I now have two daughters - Aleena and Aliza. Aleena is 5 years old and has already decided she wants to be an 'ER doctor' like us because 'it's the best job ever!' I had the good fortune of appearing in 'Bad Boys for Life' as a physician in a scene alongside Will Smith and Martin Lawrence. My Hollywood career was derailed due to COVID but there's more to come.

**Stan Lawson ('95):** retired as of 8/1/20.

**Robert "Bob" Mueller ('77):** Worked in EM for 36 years in clinical and administrative roles, then Hospice and Palliative Medicine for 5 years; now retired and enjoying it.

**Taylor Neff ('19):** Is enjoying working and living in Lawrence, KS with his wife and daughter. He reports: I had the opportunity to become a partial owner of a micro-hospital in Topeka which is now up and running.

**Ken O'Bara ('79):** Retired on 4/30/2020.

**Lindsay Schwartz ('17):** is working in Topeka and due to have a second little boy later this year.

**Bryon Vogt ('18):** Jessica and I got married earlier this year. I am still at Centerpoint at the moment.

**Dawn (Lewis) Zellner ('09):** I am currently working in Greenville, SC at Bon Secours St. Francis. I have recently been named as the director and started Sept. 1. Greenville is a growing and popular city in Upstate SC. We are currently building a new ER to better meet the needs of the community and have started plans to build a large free-standing ER just south of the city. I have a 7-year-old son, Jackson, and 5-year-old identical twin daughters, Sadie and Pearl. We live in a rural area in the foothills of the Blue Ridge Mountains and have deer, turkeys, and bears as regular visitors. During COVID, our mountain home and boat/nearby lake have made staying isolated very easy.

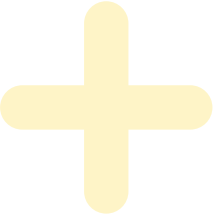
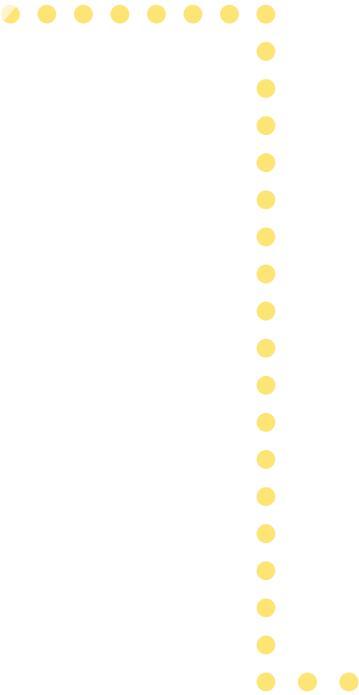
## RESEARCH UPDATE:

We had another productive year for faculty and resident research in 2019-2020. The faculty and residents had multiple publications, abstracts, and presentations over the course of the year. Support from our Research Director Dr. Gaddis, and our three amazing study coordinators has been key to our success. We have many ongoing projects in the areas of infectious disease, clinical operations, EMS, and resident/medical student education, several of which are grant funded. Multiple faculty had publications and national presentations accepted including Drs Algren, Carney, Ellison, Gaddis, Hillman, Sullivan, and Stubbs.

Due to our department's ongoing involvement with EMERGENCY ID Net: An emergency department-based emerging infections sentinel network, we have had the opportunity to work on several large multi-center grant funded trials in the past few years. We are currently participating in the CDC funded PROJECT COVERED:

a public health surveillance project to measure the risk of COVID-19 acquisition by front-line emergency department personnel in 20 academic US medical centers and identify ways to reduce that risk. This project was developed as a collaboration between EMERGENCY IDNet, and the National Emergency Airway Registry (NEAR), the largest prospective emergency department-based airway network.

Our residents continue to do a scholarly project and our graduating PGY-3 residents recently presented their projects on Senior Research Day. As always, they did an outstanding job. Dr. Ashley Borden was awarded the Elenbaas Award for her exceptional presentation on EMS Disaster Awareness. The PGY-1 class also develops a case report for presentation at an annual "Case Report Day" that began in the 2014-2015 academic year. Dr. Hunter Winstead was awarded the Gaddis Case Report Award for 2020 for his interesting presentation on Headache and Recurrent Syncope. Multiple residents have presented abstracts both regionally and nationally in the past few years and we look forward to ongoing success.



# SCHOLARLY ACTIVITY

## CURRENT GRANTS

UMKC-SBIRT: Increasing the Impact of SBIRT Training Across Health Professions grant. Funded by the Substance Abuse and Mental Health Services Administration (SAMHSA). **Stefanie Ellison**, 2019/09/29 \$859,979 over three years.

COVID Risk Reduction for Emergency Departments (COVERED) Center for Disease Control and Prevention and the Olive View – UCLA Medical Center, \$66,000. FY 2021 (Ongoing). **Mark Steele**, principal site investigator, **Amy Stubbs**, Co-Site PI.

An Interprofessional Approach to Enhanced Provider-Patient Relationships as the Cornerstone of Patient Centered Care. 1/16-1/18. Funded in part by the Robert Wood Johnson Foundation, the John A. Harford Foundation, the Josiah Macy Jr. Foundation, the Gordon and Betty Moore Foundation and the University of Minnesota. \$2,000. **Stefanie Ellison**, et al, 2016-present.

Paul Ambrose Scholarship in Interprofessional Education for Robert Weidling. \$3500, Faculty Sponsor **Stefanie Ellison**, 2017-present.

Ribonuclease-mediated control of sepsis-induced systemic inflammation R15 (300K over 3 years) PI- Mingui Fu, PI for clinical arm of study. **Charlie Inboriboon**. Awarded 01/08/2019.

Abbott Laboratories. “Alinity I STAT hsTNI Design Validation.” Site PI: **Mark Steele**. Co-site PIs: **Amy Stubbs**, and **Kevin O’Rourke**. Total Award: \$211,743. August 2019-March 2020.

Post Resuscitation Debriefing Toolkit (Awarded ACEP Section Grant for QIPS and Peds Section). PI: **Charlie Inboriboon**, Jain S. \$5820, 2019.

Screening, brief intervention, and referral to treatment for alcohol/drug use (SBIRT). SAMHSA-funded grant awarded to multiple departments at UMKC-SOM including Emergency Medicine Residency. **Amy Stubbs**, Co-Site investigator. Total award: \$859,979 over three years. 2016-2019.

Continuation of an “Emergency Department Emerging Infections Sentinel Network” Center for Disease Control and Prevention and the Olive View – UCLA Medical Center, \$7000. FY 2018 projected. **Mark Steele**, principal site investigator, **Amy Stubbs**, co-site investigator, 2018/2019.

A pragmatic trial designed to evaluate a new critical pathway for treatment of patients with acute bacterial skin and skin structure infections. \$83,421. Sponsor: Allergan. **Mark Steele**, principal site investigator, **Amy Stubbs**, co-site investigator, 2018/2019.

BioFire Diagnostics. Clinical Evaluation of the Film Array GI Panel for use with Rectal Swabs. Site PI: **Mark Steele**. Co-site PI: **Amy Stubbs**. Total award: \$25,426. September 2019-March 2020.

Alinity I STAT hsTnI Design Validation. Abbott Laboratories. Projected \$346,810. **Mark Steele**, principal site investigator, **Amy Stubbs** and **Kevin O’Rourke**, co-site PIs, 2019.

Specimen Collection and Transport Workflow Evaluations for CLIA-waived Molecular Testing. Received to date: \$111,627 .Sponsor: BioFire Diagnostics. **Mark Steele**, principal site investigator, **Amy Stubbs**, co-site investigator, 2019.

Biofire Diagnostics. “Evaluation of Accuracy and Ease of Use of the BioFire Spotfire Respiratory/Sore Throat Panel in a Near-Patient Setting.” Site PI: **Mark Steele**. Co-PI: **Amy Stubbs**. Total Award: \$39,236.93, (pay per subject).

BioFire Diagnostics. “Prevalence of Pathogens in Synovial Fluid Obtained from Emergency Department Patients and Clinical and Laboratory Features of Patients Diagnosed with Septic Arthritis” EID Net. PI: **Mark Steele**. Co-PI: **Amy Stubbs**. Total award: \$107,000. Currently on hold due to COVID-19.

## PEER REVIEWED PUBLICATIONS

Mullins ME, Yarema MC, Sivilotti MLA, Thompson M, **Algren DA**, Holstege CP. Comment on “Transition to Two-bag Intravenous Acetylcysteine for Acetaminophen Overdose”. Clinical Toxicology. 2020;58(5):433-435.

Dugas AF, Hsieh YH, LoVecchio F, Moran GJ, **Steele MT**, Talan DA, Rothman RE; Emergency Department

National Influenza Network Investigators. “Derivation and Validation of a Clinical Decision Guideline for Influenza Testing in 4 US Emergency Departments.” Clin Infect Dis. 2020;70(1):49-58.

Strålin K, Rothman RE, Özenci V, Barkataki K, Brealey D, Dhiman N, Poling L, Kurz MC, Limaye AP, LoVecchio F, Lowery K, Miller LG, Moran GJ, Overcash JS, Parekh A, Peacock WF, Rivers EP, Sims M, **Stubbs AM**, Sundqvist M, Ullberg M, Carroll KC. “Performance of PCR/electrospray ionization-mass spectrometry on whole blood for detection of bloodstream microorganisms in patients with suspected sepsis.” J Clin Microbiol. 2020; JCM.01860-19.

**Carney E, Haas T.** COVID-19 Update. Missouri EMS Connection. 2020;6(1).

**Carney E, Haas T.** Clinical Case of the Quarter: Infectious Disease. Missouri EMS Connection. 2019;5(4): 24-25.

Katirji, L., Smith, L., Pelletier-Bui, A., **Hillman, E.**, Zhang, X. C, Pasirstein, M., et al. (2020). Addressing Challenges in Obtaining Emergency Medicine Away Rotations and Standardized Letters of Evaluation Due to COVID-19 Pandemic. Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health, 21(3).

Strålin K, Rothman RE, Özenci V, Barkataki K, Brealey D, Dhiman N, Poling L, Kurz MC, Limaye AP,

LoVecchio F, Lowery K, Miller LG, Moran GJ, Overcash JS, Parekh A, Peacock WF, Rivers EP, Sims M, **Stubbs AM**, Sundqvist M, Ullberg M, Carroll KC. “Performance of PCR/electrospray ionization-mass spectrometry on whole blood for detection of bloodstream microorganisms in patients with suspected sepsis.” J Clin Microbiol. 2020.

## BOOKS

Jarou, Z., **Hillman, E.**, Kellogg, A., Lutfy-Clayton, L., Pelletier-Bui, A., Shandro, J. EMRA and CORD Student Advising Guide: An Evidence-Based Approach to Matching in EM. Irving, TX: Emergency Medicine Residents’ Association; 2019.

## BOOK CHAPTERS:

**Algren DA, Christian MC.** Chapter 361, Chemical Warfare Agents in Harwood-Nuss Clinical Practice of Emergency Medicine. Seventh edition. 2020. Wolters Kluwer.

Garg U, Lowry J, **Algren DA.** Chapter 5, Ethylene Glycol and Other Glycols: Analytical and Interpretation Issues in Critical Issues on Alcohol and Drugs of Abuse Testing, 2<sup>nd</sup> ed. 2019. Academic Press.

**Algren DA.** Chapter 6, Acetaminophen Toxicity in Toxicology Cases for the Clinical and Forensic Laboratory. 1<sup>st</sup> ed. 2020. Elsevier.

Esswain JE, **Algren DA.** Chapter 20, Carbon Monoxide Poisoning in

Toxicology Cases for the Clinical and Forensic Laboratory. 1<sup>st</sup> ed. 2020. Elsevier.

**Carney E.** 2019/12/01 NAEMT Advanced Medical Life Support: An Assessment-Based Approach, 3<sup>rd</sup> Edition Chapter 7: Endocrine and Metabolic Disorders Rewrite

**Christian MC, Algren DA.** Chapter 332, Iron in Harwood-Nuss Clinical Practice of Emergency Medicine. Seventh edition. 2020. Wolters Kluwer.

Salimi U, Thompson M, Weidemann D, VanSickle JS, Nolen JD, Garg U, and **Christian MR.** “Massive ibuprofen ingestion in an adolescent treated with plasma exchange”: Toxicology Cases for the Clinical and Forensic Laboratory. (June 2020): 1<sup>st</sup> Edition: 80-82.

**Ellison SR**, Dhuse J. (2019) ‘Using Competency-Based Learning to Improve Clinical Skills.’ Optimizing Medical Education with Instructional Technology. IGI Global pp 108-147.

**Go, S.** Dental Emergencies in Wolfson AB, Cloutier RL, Hendey, GW, Ling LJ, Rosen CL, Schaidler JJ (editors). Harwood-Nuss’ Clinical Practice of Emergency Medicine, 7<sup>th</sup> ed. 2019. Wolters Kluwer.

**Go S.** Stroke Syndromes. In Tintinalli J, Ma OJ, Yealy DM, Meckler GD, Stapczynski JS, Cline D (editors). Tintinnali’s Emergency Medicine, 9<sup>th</sup> ed. McGraw-Hill Medical; 2019: 1696-1714.

**Go S.** Spine and Spinal Cord Injuries. In Tintinalli J, Ma OJ, Yealy DM, Meckler GD, Stapczynski JS, Cline D (editors). Tintinnali’s Emergency Medicine, 9<sup>th</sup> ed. 2019. McGraw-Hill Medical

**Stubbs AM.** Trauma to the Flank and Buttocks. In: Tintinalli Emergency Medicine: A Comprehensive Study Guide Ninth Edition. New York, NY: McGraw-Hill, 2019.

## WEBSITE:

**Camejo, M**, Frazen, D, Ren, R, Zang, X, Offenbacher, J, How to Get an Away Rotation. Counsel of emergency Medicine Residency Directors Website. (<https://www.cordem.org/globalassets/files/committees/student-advising/vsas-document-1.pdf>) (2019)

Katirji, L., Smith, L., Pelletier-Bui, A., **Hillman, E.**, Zhang, X. C, Pasirstein, M., et al. (2020). Addressing Challenges in Obtaining Emergency Medicine Away Rotations and Standardized Letters of Evaluation Due to COVID-19 Pandemic. Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health, 21(3). <http://dx.doi.org/10.5811/westjem.2020.3.47444> Retrieved from <https://escholarship.org/uc/item/9724t4g5>. PMID: 32302281 PMCID: PMC7234725 DOI: 10.5811/westjem.2020.3.47444; 2,532 hits, 1,024 downloads, and 3 citations (July 2020)

Lin M, Gisondi M, Fox S, Humbert B, **Stubbs A.** EM Match Advice: Program Directors Reflect on the 2020 Residency

Match. PodCast on Academic Life in Emergency Medicine (ALiEM). June 7<sup>th</sup> 2020. Presenter and panel member. <https://www.aliem.com/em-match-advice-program-directors-reflect-2020-residency-match>.

# EMERGENCY MEDICINE

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