

Jennifer A. Cotton MD RDMS

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EDUCATION & TRAINING

June 2015 – Present

Ohio State University Department of Emergency Medicine; Columbus, OH

- Emergency Medicine Residency, expected completion June 2018

August 2011 – May 2015

University of Kentucky College of Medicine; Lexington, KY

- Doctor of Medicine

October 2003 – March 2008

University of California, Davis

- Bachelor of Science, Exercise Physiology
- Bachelor of Science, Psychology

SPECIALIZED TRAINING

October 2015 – January 2016

Emergency Neurological Life Support Instructor

- Completed ENLS “Train the Trainer” course to become a certified ENLS course instructor for the Society for Neurocritical Care

October 2015 – January 2016

Emergency Neurological Life Support

- Online advanced neurological emergency training course providing certification for competency in treating emergency neurological conditions.
- Completed high yield topic overview, treatment algorithms, review of evidence basis of recommendations, and knowledge assessments for 13 common neurological emergencies by the Neuro Critical Care Society

January 2014 – April 2015

Ultrasound Leadership Academy

- Online advanced point of care ultrasound education program for physicians by Ultrasound Podcast Courses. Completed 12 months of lectures and readings.
- Topics covered include: trauma, basic and advanced cardiac, nerve blocks, gallbladder, aorta, procedural, vascular access, pregnancy, DVT, musculoskeletal, renal, and lung ultrasound

August 2013 – present

Center for Clinical and Translations Science, University of Kentucky

- Graduate Certificate in Clinical Research Skills
- 1st medical student accepted into the program

INVITED LECTURES

March 12, 2016

Invited Panelist, SUSME's 4th Annual Ultrasound in Anatomy and Physiology Education Conference; Columbus, OH

- "How to Facilitate Ultrasound through Peer Teaching: A Student's Role in Anatomy and Physiology"
- Invited panelist at nation ultrasound education symposium

November 21, 2015

Invited Lecturer, Ultrafest hosted by University of Kentucky and National Ultrasound Student Interest Group; Lexington, KY

- "Knobology and Ultrasound Physics"
- Invited lecturer at regional ultrasound education symposium

November 2, 2015

Guest Lecturer, Ohio State School of Medicine; Columbus, OH

- "FAST: Trauma Ultrasound"
- Guest lecturer for M1 medical student ultrasound curriculum course

June 1, 2015

Invited Lecturer, Second Annual Forum on Ultrasound in Medical Education by AIUM & SUSME; Irvine, CA

- "Medical Student and Resident Panel: How Ultrasound Has Impacted Their Experience in Medical School & Abroad"
- Invited lecturer at national ultrasound conference

March 25, 2015

Invited Lecturer, American Institute for Ultrasound in Medicine Annual Meeting; Orlando, FL

- "Examining How Interest Groups at Medical Schools Can be Focal Points to Research and Collaboration. What is the Role of the Medical Student in this Process of Ultrasound Integration?"
- Spoke about medical student driven ultrasound education initiatives and their role in promoting ultrasound integration into undergraduate medical curriculums
- Invited lecturer at national ultrasound conference

February 24, 2015

Invited Lecturer, *Acute Care Ultrasound Workshop*, 11th SAARC-Association of Anesthesiology Congress/Nepal Critical Care Development Foundation; Kathmandu, Nepal

- "Cardiac Tamponade Physiology and Pericardial Ultrasound"
- Invited lecturer at international point of care ultrasound conference in Nepal
- Spoke to physicians from developing countries about the role of ultrasound in cardiac tamponade and technique for pericardial ultrasound

October 10, 2014

Invited Lecturer, World Congress of Ultrasound in Medical Education; Portland, OR

- “FOAMED for Self-Learning” with Mike Mallin (University of Utah)
- Invited lecturer at international point of care ultrasound conference
- Spoke about FOAMed (Free and Open Access to Medical Education) resources and how to use them in clinical practice and medical education

May 9, 2014

Invited Lecturer, *Educator's Symposium*, Critical Care Ultrasound Symposium; Montreal, Canada

- “Medical Student Approach to Ultrasound Integration: Medical Student Driven Ultrasound Education”
- Invited lecturer at international critical care ultrasound conference (funded for all travel and accommodations expenses)
- Spoke about model of student-driven ultrasound education in which medical students direct and organize their own ultrasound education in the absence of a formal ultrasound curriculum

AWARDS & SCHOLARSHIPS

October 2014

Ultrasound World Cup Champion, World Congress of Ultrasound in Medical Education

- 1st place in point of care ultrasound competition at international conference
- Competition consisted of teams of three medical students competing in skills and knowledge based events, including an on-stage finals
- Team captain of “SonoKittens”, University of Kentucky’s Ultrasound Competition Team

July 2014

Wellington Stewart Scholarship (\$2000), University of Kentucky

- Provost office scholarship. Nominated by medical college deans for enthusiasm and hard work within the medical school

March 2014

Gold Humanism Honor Society, University of Kentucky Chapter

- Honor society for medical students and physicians that “demonstrate excellence in clinical care, leadership, compassion and dedication to service while in medical school.”
- Nominated by classmates and selected by faculty

March 2014

EMRA SAEM Scholarship (\$500), Emergency Medicine Residents’ Association

- National award given to limited number of students to fund medical student development and travel to Society for Academic Emergency Medicine’s Annual Meeting.
- Presented during the Spring EMRA Awards Reception at SAEM Annual Meeting.

February 2014

Ultrasound Pathology QA 3rd Place, Ultrasound Challenge Competition at Ohio State University

- Individual 3rd place out of 45 medical students in Ultrasound Pathology QA at point of care ultrasound competition
- Team captain of “SonoKittens”, University of Kentucky’s Medical Student Ultrasound Team

December 2013

Medical Student Scholarship (\$500), American Academy of Emergency Medicine

- National award given annually to two medical students that “demonstrate a dedication and passion for emergency medicine”
- Award presented at the AAEM Annual Scientific Assembly

SCIENTIFIC PUBLICATIONS

November 6, 2014

Russell P, Mallin M, **Cotton J**, Aboul-Hosn N, and Dawson M. “First “Glass” Education: Telementored Cardiac Ultrasonography Using Google Glass. A Pilot Study”. *Academic Emergency Medicine*.

May 21, 2014

Cotton J, Adkins B, Lauren M, and Dawson M. “A Comparison of Medical Student Opinions of Ultrasound in Medical Education Before and After Exposure to Ultrasound Education in Ultrasound-Naive Emergency Medicine Oriented Students and Non-Emergency Medicine Oriented Students”. *Academic Emergency Medicine*.

ORAL PRESENTATIONS AT SCIENTIFIC MEETINGS

September 23, 2016

Oral Presentation, World Congress on Ultrasound in Medical Education; Lubbock, TX

- “Novel Method of Ultrasound Imaging of Distal Upper Extremities: Side Approach to the Water Bath”

March 23, 2015

Oral Presentation, American Institute for Ultrasound in Medicine Annual Meeting; Orlando, FL

- “Grassroots Ultrasound Education: Medical Student Opinions of Ultrasound in Medical Education and Student-Organized Ultrasound Education Initiatives

October 10, 2014

Oral Presentation, World Congress on Ultrasound in Medical Education; Portland, OR

- ““Glass” Education: Telementored Cardiac Ultrasonography Using Google Glass. A Pilot Study.”

September 27, 2013

Oral Presentation, World Congress on Ultrasound in Medical Education; Columbia, SC

- “Impact of Exposure to Hands-On Ultrasound Training on Medical Student Opinions of the Value of Bedside Ultrasound Education in Undergraduate and Graduate Medical Education”

POSTERS PRESENTATIONS AT SCIENTIFIC MEETINGS

Cotton J, Martinez C, Campbell K. “Grassroots Ultrasound Education: Learning Ultrasound and Changing Ultrasound Culture in Ultrasound Naive Environments”. World Congress of Ultrasound in Medical Education. Portland, OR. October 11, 2014.

Cotton J, Martinez C, Dawson M. “Examining Medical Student Opinions of Ultrasound in Undergraduate Medical Education and Medical Student-Organized Ultrasound Education Initiatives”. World Congress of Ultrasound in Medical Education. Portland, OR. October 11, 2014.

Boulger C, Soucy Z, Fischetti C, **Cotton J**, Allen D, Bahner D. “Junior Mentors: National Ultrasound Student Interest Group”. World Congress of Ultrasound in Medical Education. Portland, OR. October 11, 2014.

Cotton J, Fischetti C, Martinez C, Dickens B, Sims L, Ramage, T. “Medical Student Driven Ultrasound Education: Ultrasound Interest Groups”. World Congress of Ultrasound in Medical Education. Portland, OR. October 11, 2014.

Martinez C, **Cotton J**, Patterson A, and Dawson M. “Medical Student Opinions of Two Models for Bedside Ultrasound Peripheral IV Placement”. World Congress of Ultrasound in Medical Education. Portland, OR. October 11, 2014.

Patterson A, **Cotton J**, Martinez C, and Dawson M. (2014). “Medical Student Opinions of Cardiac Ultrasound in Medical Education”. World Congress of Ultrasound in Medical Education. Portland, OR. October 11, 2014.

Cotton J, Adkins B, McCafferty L, and Dawson M. “A Comparison of Medical Student Opinions of Ultrasound in Medical Education Before and After Exposure to Ultrasound Education in Ultrasound Emergency Medicine-Oriented Students and Non-Emergency Medicine Oriented Students”. Society for Academic Emergency Medicine Annual Meeting. Dallas, TX May 14, 2014.

Cotton J, Adkins B, McCafferty L, and Dawson M. “A Comparison of Medical Student Opinions of Ultrasound in Medical Education Before and After Exposure to Ultrasound Education in Ultrasound Emergency Medicine-Oriented Students and Non-Emergency Medicine Oriented Students”. Center for Clinical and Translational Science Annual Spring Conference. Lexington, KY March 27, 2014.

Cotton J, Adkins B, and Dawson M. “Impact of Exposure to Hands-on Ultrasound Education on Emergency Medicine Oriented Students.” Society of Academic Emergency Medicine Midwest Regional Meeting. Akron, OH. November 8, 2013.

Cotton J, Sanchez K, Caswell-Chen E. "Exploring Attraction of *C. elegans* to The Brown Garden Snail, *Helix aspersa*." AOA Student Research Day, University of Kentucky College of Medicine. Lexington, KY. February 20, 2013

Cotton J, Sanchez K, Caswell-Chen E. "Exploring Attraction of *C. elegans* to The Brown Garden Snail, *Helix aspersa*." American Pytopathological Society Annual Meeting. Charlotte, NC. August 7-11, 2010

Sanchez K, **Cotton J**, Caswell-Chen E. "Nematode and Bacterial Associates of *Helix Aspersa*." Department of Nematology and Plant Pathology Annual Meeting, University of California, Davis. Davis, CA. May 2010

Lagunas-Solar M, Hanes J, Sanchez S, Caswell-Chen E, **Cotton J**. "New Germaticidal and Nematocidal Process to Decontaminate Irrigation Water: A Non-Chemical ('Green') Alternative." 8th International Symposium of Information for the Sustainable Production of Fruit and Vegetables, Nuts, Wines and Olives. Concepcion, Chile January 5-9, 2009

FELLOWSHIPS

May 2012 – November 2013

Professional Student Mentored Research Fellowship (Paid), Center for Clinical and Translational Science at University of Kentucky

- Writing experimental protocol, collecting data, analyzing data, poster and manuscript writing
- Research: methods of integrating point of care ultrasound into undergraduate medical education

GRANTS

October 2014 – May 2015

Emery A. Wilson Academic Enrichment Grant (\$1000), University of Kentucky Medical Alumni Association

- Funded Ultrasound Interest Group workshops and teaching activities

January – June 2014

SGA General Funding Grant (\$750), University of Kentucky Student Government Association

- Grant to support education development projects at the University of Kentucky
- Funded an iPad and raw materials to create ultrasound phantom models for Ultrasound Interest Group workshops and teaching activities

October 2013 – June 2014

Emery A. Wilson Academic Enrichment Grant (\$1000), University of Kentucky Medical Alumni Association

- Funded two iPads for Ultrasound Interest Group workshops and teaching support

February - May 2013

SGA General Funding Grant (\$1000), University of Kentucky Student Government Association

- Grant to support education development projects at the University of Kentucky
- Funded an iPad mini for an Emergency Medicine Interest Group sponsored study of portable electronic devices in medical student education in emergency medicine
- Funded supplies (suture kits, splinting materials, backboard, etc.) for Emergency Medicine Interest Group sponsored hands-on skills workshops

RESEARCH EXPERIENCE

September 2008 – March 2011

Research Associate, Department of Nematology, University of California, Davis (Dr. Edward Caswell-Chen Lab)

- Collecting data, writing experimental protocols, lab management, lab assistant supervisor, lab assistant training, safety coordinator, regulations compliance, data analysis, manuscript editing
- Research: behavioral aspects of *C. elegans* ecology; molecular studies of nematode and bacterial biodiversity in *Helix aspersa*

September 2007 – June 2009

Senior Research Associate, Emergency Medicine Research Associate Program, University of California Davis Medical Center

- Identifying and consenting potential study subjects for Emergency Department studies, data collection, interviewing and training new research associates
- Research: pulmonary embolism, intubation, alcoholic liver disease, heart failure, deep vein thrombosis

June 2007 – September 2008

Lab Assistant, Department of Nematology, University of California, Davis (Dr. Ed Caswell-Chen Lab)

- Lab maintenance, media preparation, assisting with experiments, culturing bacteria, nematodes, and fungi
- Research: Molecular studies of nematode biodiversity; green plant-parasitic nematode management strategies

January 2006 – June 2006

Intern, California National Primate Research Center (Dr. John Capitanio Research Team)

- Assisting field observation of behavior, data collection, and data entry
- Research: studying interactions between environmental conditions and serotonin transporter polymorphisms in Rhesus macaque behavioral development

TEACHING EXPERIENCE

September 2015 - Present

Ultrasound Instructor, Ohio State University Medical School; Columbus, OH

- *“Doc 1” Course*, Short lecture & hands-on instruction of M4 medical students in point of care ultrasound
 - **Ultrasound for Hypotension**: Sept 26, 2016
- *“Ultrasound Ground School” Course*, Hands-on group instructor in clinical ultrasound skills lab for M3 medical student curriculum
 - **Ultrasound & Vascular Access**: January 4, 5, 6, 7, 8 2016; May 4, 2016
 - **Neurology Ultrasound**: January 5 2016
- *Medical Student Ultrasound Lab*, Hands-on small group instructor for groups of M2 medical student in ultrasound curriculum lab
 - **Renal Ultrasound Lab**: March 10, 2016

April 27-29, 2016

Ultrasound Conference Faculty, Castlefest 2016 by Ultrasound Podcast; Lexington, KY

- Conference faculty at international ultrasound education symposium
- Hands-on education and small group instructions in point of care ultrasound
- Topics: cardiac, aorta, vascular access, musculoskeletal, nerve blocks, gallbladder, RUSH, ocular, soft tissue, renal

March 20-21, 2016

Ultrasound Conference Faculty, SUSME’s 4th Annual Ultrasound in Anatomy and Physiology Education Conference; Columbus, OH

- Conference faculty at nation ultrasound education symposium
- Hands-on education and group instruction for ultrasound anatomy and physiology applications

November 21, 2015

Ultrasound Symposium Faculty, *Ultrafest*, National Ultrasound Student Interest Group hosted University of Kentucky; Lexington, KY

- Conference faculty at regional ultrasound education symposium
- Hands-on education and group instruction in point of care cardiac ultrasound for medical, nursing, and PA students

February 24-25, 2015

Ultrasound Conference Faculty, *Acute Care Ultrasound Workshop*, 11th SAARC-Association of Anesthesiology Congress/Nepal Critical Care Development Foundation; Kathmandu, Nepal

- Conference faculty at international critical care ultrasound education conference
- Hands-on education and group instruction in point of care ultrasound for physicians from developing countries

- Scan taught include: basic and advanced cardiac ultrasound (image acquisition, LV function, RV function, valves, tamponade), lung, IVC, aorta, fluid responsiveness, ultrasound guided vascular access, and eFAST

August 13, 2014

Ultrasound Instructor, University of Kentucky College of Medicine Minority Education Development; Lexington, Kentucky

- Instructor for program that assists underrepresented minority senior pre-medical undergraduate students who have a strong interest in attending medical school
- Taught cardiac ultrasound sessions for pre-medical undergraduate students

May 9, 2014

Ultrasound Conference Faculty, *Critical Care Ultrasound Symposium*, Critical Care Ultrasound Institute; Montreal, Canada

- Conference faculty at international critical care ultrasound education conference (funded for all travel and accommodations expenses)
- Hands-on demonstration and group instruction of bedside ultrasound techniques in critical care
- Scan taught include: DVT, basic cardiac, lung, small bowel obstruction, gallbladder, IVC, aorta, ultrasound guided vascular access, and ultrasound guided nerve blocks

April 3, 2014

Chest Tube Workshop Director, *Emergency Medicine Interest Group*, University of Kentucky College of Medicine

- Initiated and developed chest tube hands-on skills workshop for EMIG students
- Organized workshop, recruited faculty and resident instructors, developed pork rib & craft foam based chest model, and acquired chest tube supplies

March 23, 2014

Ultrasound Small Group Instructor, *Trauma Workshop*, University of Kentucky College of Medicine, Emergency Medicine Interest Group

- Teaching eFAST ultrasound station during EMIG trauma workshop

January 27, 2014

Lecturer *Ultrasound Guided Vascular Access Workshop*, University of Kentucky College of Medicine, Ultrasound Interest Group

- Lead instructor for 60 medical students in Ultrasound Interest Group hands-on skills workshop
- Presented lecture on “Ultrasound-Guided Vascular Access” and created curriculum for hands-on component of workshop

September 2013 – October 2014

Teaching Assistant; Intro to Clinical Medicine II (MD 821) Ultrasound Lab

- Small group instructor for second year physical exam course ultrasound lab
- Lead hands-on ultrasound teaching for groups of 8-10 students per teaching session (3 teaching sessions per day)
- **Lung Ultrasound Lab**: March 10, 2014

- **Cardiac Ultrasound Lab:** January 21, 2014
- **Renal and Pelvic Ultrasound Lab:** November 9, 2013
- **Musculoskeletal Ultrasound Lab:** Sept. 9, 2013

September 2013 – May 2015

Small Group Instructor & Workshop Organizer; University of Kentucky College of Medicine, Ultrasound Interest Group

- Organizing student-driven hands-on ultrasound workshops (acquiring ultrasound machines, coordinating instructors, creating curriculum, etc.)
- Teaching bedside ultrasound to medical students as a small group instructor
- **Shock/Trauma Ultrasound Workshop:** March 26, 2015
- **eFAST Ultrasound Workshop:** August 28, 2014
- **RUSH Ultrasound Workshop:** May 19, 2014
- **Ultrasound-Guided Nerve Block Workshop:** March 25, 2014
- **Cardiac Ultrasound Workshop:** February 20, 2014
- **Ultrasound-Guided Vascular Access Workshop:** January 27, 2014
- **Right Upper Quadrant Ultrasound Workshop:** November 19, 2013
- **eFAST Ultrasound Workshop:** October 14, 2013

September 23, 2013

Suture Workshop Small Group Instructor; University of Kentucky College of Medicine, Surgery Interest Group

- Teaching suture and surgical knot tying technique to medical students

August 24, 2014; September 4, 2013; & October 31, 2012

Suture Workshop Small Group Instructor; University of Kentucky College of Medicine, Emergency Medicine Interest Group

- Teaching suture technique to medical students and workshop organization

April 1, 2013

Trauma Workshop Director; University of Kentucky College of Medicine, Emergency Medicine Interest Group

- Organized trauma education workshop for fellow medical students
- Arranging instructors, acquiring supplies, setting up workshop, and communication with medical student attendees

February 27, 2013

Orthopedic Splinting Workshop Co-Director; University of Kentucky College of Medicine, Emergency Medicine Interest Group

- Organized orthopedic splinting skills workshop for fellow medical students

November 26, 2012

Bedside Ultrasound Workshop Director and Small Group Instructor; University of Kentucky College of Medicine, Emergency Medicine Interest Group

- Organized University of Kentucky's first bedside ultrasound workshop for 75 medical students

- Recruiting instructors, flying in ultrasound machines, locating appropriate space, communicating with medical student attendees
- Teaching ultrasound RUSH protocol for undifferentiated hypotension to medical student small group

October 13, 2012

Ultrasound Guided IV Course Small Group Instructor; University of Kentucky, Department of Emergency Medicine

- Small group instructor for ultrasound guided IV course for University of Kentucky nurses
- Course was created to improve patient care and reduced unnecessary central lines
- > 100 attendees

August 2012 – October 2012

Anatomy Group Mentor; Anatomy Mentors Program University of Kentucky College of Medicine

- Provided support and guidance to first year medical students throughout Anatomy course (MD 814)

March 8, 2011

Lecturer *Introduction to Plant Pathology, PLP 120;* University of California Davis, Department of Nematology

- “Plant Pathogenic Nematodes”

March 2008 – March 2011

Lab Instructor *Introduction to Plant Pathology, PLP 120;* University of California Davis, Department of Nematology

- Set up and instruction of “Plant Pathogenic Nematodes” lab (1 lab each Fall and Spring quarter, 7 total)

LEADERSHIP

January – April 2015

Medical Student Conference Coordinator, Castlefest 2015 by Ultrasound Podcast

- Organized, managed, and trouble shot medical student activities at Castlefest, a four day international ultrasound education conference
- Recruited, managed, and supervised >70 student models for ultrasound modeling

April 2014 – April 2015

Senior Student Advisor, Emergency Medicine Interest Group

- Acting as an advisor to help transition information from previous to new EMIG leadership
- Advising new EMIG leadership, assisting with EMIG activities, teaching in skills workshops, mentoring research students, and managing 4th year emergency medicine student mentor group

January – April 2014

Medical Student Conference Coordinator, Castlefest 2014 by Ultrasound Podcast

- Organized and oversaw medical student activities at Castlefest, a four day international ultrasound education conference
- Recruited, managed, and supervised >70 student models for ultrasound modeling during conference
- Conference set up, assisting with daily conference activities, problem solving during conference, and assisting attendees with basic ultrasound instruction

April 2013 – May 2015

Founder and President, Ultrasound Interest Group

- Founded an ultrasound student group that made bedside ultrasound education available to all University of Kentucky medical students for the first time
- Developed a model of student-driven ultrasound education in which student direct and organize their own ultrasound education in the absence of a formal ultrasound curriculum
- Organize monthly hands-on ultrasound workshops, monthly meetings, weekly ultrasound practice lab, and one-on-one tutoring for largest and most active medical student organization
- Created independent study ultrasound curriculum using FOAMed resources
- Obtained \$1750 in grants funding to USIG educational activities
- Development of ultrasound resources: negotiated ultrasound machine privileges from multiple departments, recruited new ultrasound faculty from across departments, established protected student hours for sim lab ultrasound, and created active USIG website.

March – April 2013

Medical Student Conference Co-Coordinator, Castlefest 2013 by Ultrasound Podcast

- Recruiting, organizing, and supervising >50 medical student models for Castlefest, a four day international ultrasound education conference
- Conference set up, assisting with daily conference activities, and problem solving during conference

April 2012 – April 2014

President, Emergency Medicine Interest Group

- Organized monthly EMIG meetings, moderated officer meetings, managed ED shadowing calendar, liaised between EMIG and EM faculty, and ran Wildcat EMIG website
- Initiated new EMIG skills workshops: bedside ultrasound, trauma, chest tube, and splinting workshops
- Created helicopter shadowing opportunity for students to experience EMS helicopter ride alongs
- Obtained \$1250 in grants to fund EMIG educational activities
- Developed new EMIG features: negotiated scrubs access for EMIG students, arranged substance abuse shadowing, ED shadowing orientation tours, and created peer-to-peer research mentoring program

August 2011 – May 2015

Class of 2015 Representative, Medical Student Government Association

- Representing medical school class of 2015 interests in medical student government meetings
- Liaising between class of 2015 executive council and medical student government

DIGITAL SCHOLARSHIP

May 2014 – Present

SonoMojo Creator, sonomojo.org

- “SonoMojo: A Guide to Bedside Ultrasound Education”
- FOAMed resource for point of care ultrasound; guide to orient new learners to high quality ultrasound education resources and connect experience learners to a collection of resources for further development of their ultrasound skills
- Includes comprehensive FOAMed-based ultrasound curriculum with scan specific learning modules and ultrasound cheat sheet summaries of individual scans
- >25,000 views from >80 countries (8/1/16)

May 2014 – Present

SonoMojo Editor, sonomojo.org

- “Getting to the Point of Ultrasound Assisted Lumbar Punctures”, March 21 2016
- “Life in the eFAST Lane: Extended Focused Assessment with Sonography for Trauma (Part 2)”, July 3, 2015
- “Life in the eFAST Lane: Extended Focused Assessment with Sonography for Trauma (Part 1)”, February 15, 2015
- “Keeping an Eye on Intracranial Pressure: Detecting Elevated ICP Using Ocular Ultrasound”, September 7, 2015

September 2013 – June 2015

Wildcat USIG Creator & Author, wildcatusig.wordpress.com

- Home of the University of Kentucky Ultrasound Interest Group
- Site designed to introduce USIG students to bedside ultrasound, collect useful learning resources in one location, and keep students updated on USIG activities
- *Case of the Month*: “RUSH Protocol” April 1, 2014; “Soft Tissue Ultrasound” March 1, 2014; “Vascular Access Ultrasound” February 1, 2014

September 2012

Contributing Author, UK EMIG Quickhits (ukemig-quickhit.com)

- “To CT or Not to CT: CT Imaging in Minor Head Injury” September 30, 2012

PROFESSIONAL ACTIVITIES

April 25-26, 2015 & April 27- 28, 2012

Event Medical Staff, Rolex Three Day Event Equestrian Competition

- Provided emergency medical care for competitors and attendees at international equestrian competition as part of event medicine team with University of Kentucky Emergency Medicine

August 2012 – June 2013

Emergency Medicine Point of Care Ultrasound Elective

- Yearlong hands-on point of care ultrasound training with UK Hospital Ultrasound Director, Dr. Matthew Dawson
- Created first ultrasound elective at UKCOM as a special studies elective

June 2012 – July 2013

Deans Student Committee on Admissions

- Selected by application process to provide tours for medical school applicants on interview days and for individuals throughout the year

COMMUNITY SERVICE

October 2011 – January 2014

Pet Therapy, Love on a Leash

- Monthly pet therapy visits to inpatients at VA Hospital with my dog, Mojo

September 2011 – May 2013

Committee Member, University of Kentucky Charity Roast

- Student-run and organized annual charity event roasting University of Kentucky Faculty members. Proceeds benefit Surgery on Sunday and Salvation Army Student-Run Clinic.

LICENSURES & CERTIFICATION

May 2016 – Present

RDMS, American Registry for Diagnostic Medical Sonographers

- Registered Diagnostic Medical Sonographer, expires 5/2021. Completed during PGY1.
- Exams passed: SPI, abdomen

January 2016 – Present

ENLS Certification, Society for Neurocritical Care

- Emergency Neurological Life Support, expires 1/2018

June 2015 – Present

PALS Certification, American Heart Association

- Advanced Trauma Life Support, expires 6/2017

June 2015 – Present

ATLS Certification, American College of Surgeons

- Advanced Trauma Life Support, expires 6/2019

July 2013 – Present

ACLS Certification, American Heart Association

- Advanced Cardiac Life Support, expires 6/2017

December 2010 – December 2013

EMT, California Emergency Medical Services Authority

- California EMT Basic License & National Registry of Emergency Medical Technicians Certification

CONFERENCES ATTENDED

September 23-24, 2016

World Congress of Ultrasound in Medical Education; Portland, OR

- Oral research presentation

May 10-13, 2016

Society for Academic Emergency Medicine's Annual Meeting; New Orleans, LA

- Conference attendee and Sono Games participant

April 27-29 2016

Castlefest Ultrasound Education Conference; Lexington, KY

- Conference faculty

March 20-21, 2016

SUSME's 4th Annual Ultrasound in Anatomy and Physiology by SUSME; Columbus, OH

- Conference faculty & discussion panelist

June 1, 2015

Second Annual Forum on Ultrasound in Medical Education by AIUM & SUSME; Irvine, CA

- Invited lecturer and funded conference faculty

April 14-16, 2015

Castlefest Ultrasound Education Conference; Lexington, KY

- Conference coordinator and attendee

March 22-25, 2015

American Institute for Ultrasound in Medicine Annual Convention; Orlando, FL

- Invited lecturer, oral research presentation, and National Ultrasound Student Interest Group meeting

February 24-25, 2015

SAARC Association for Anesthesiology Annual Conference; Kathmandu, Nepal

- Conference faculty, invited lecturer, and Acute Care Ultrasound Workshop instructor at international anesthesia and critical care conference

February 20, 2015

Neurocritical Care Society- ENLS Course; Kathmandu, Nepal

- Emergency Neurological Life Support (ENLS) course attendee

October 10-12, 2014

World Congress of Ultrasound in Medical Education; Portland, OR

- Invited lecturer, oral research presentation, and 6 research posters presented

May 13-17, 2014

Society for Academic Emergency Medicine Annual Meeting; Dallas, TX

- Award acceptance and poster presentation at national emergency medicine conference

May 9-11, 2014

Critical Care Ultrasound Symposium; Montreal, Canada

- Invited conference lecturer and funded conference teaching faculty at critical care ultrasound conference

April 21 -24, 2014

Castlefest Ultrasound Education Conference; Lexington, KY

- Conference coordinator and attendee

March 27, 2014

Center for Clinical and Translational Science Annual Spring Conference; Lexington, KY

- Poster presentation at regional clinical and translational science conference

February 11-14, 2014

American Academic of Emergency Medicine Annual Scientific Assembly; New York NY

- Award acceptance at national emergency medicine conference

November 8, 2013

Society for Academic Emergency Medicine Midwest Regional Meeting; Akron, OH

- Poster presentation at emergency medicine regional conference

Sept 27-29, 2013

World Congress of Ultrasound in Medical Education; Columbia, SC

- Oral abstract presentation at international ultrasound conference

April 27 -30, 2013

Castlefest Ultrasound Education Conference; Lexington, KY

- Medical student model coordinator and conference attendee

PROFESSIONAL MEMBERSHIPS

May 2015 – Present

Neurocritical Care Society

March 2014 – Present

Society for Academic Emergency Medicine

October 2013 – Present

American Academy of Emergency Medicine

October 2013 – Present

American Institute for Ultrasound in Medicine

July 2013 – Present

Society for Ultrasound in Medical Education

May 2012 – Present

American College of Emergency Physicians

May 2012 – Present

Kentucky Chapter of American College of Emergency Physicians

May 2012 – Present

Emergency Medicine Resident Association

December 2010 - 2013

National Registry of Emergency Medical Technicians

HOBBIES AND INTERESTS

Hobbies: Horseback Riding, Rock Climbing, Fitness, Reading, Enology

Medical Interests: Emergency Medicine, Point of Care Ultrasound, Critical Care, Research, Medical Education, FOAMed