

Maria C. Mandell Memorial Emergency Medicine Award

This award is given in memory of Maria C. Mandell, who was a dedicated volunteer for the emergency department at the University of Arizona Healthcare Network University Campus, *formerly known as the University Medical Center*, beginning with its opening in 1971 and until her death in 1983. It was through her efforts that the Emergency Department Auxiliary was established.

This award, established in her name by her husband Bert, is a tribute to her interest and contributions to emergency medicine. The award provides support for medical students and residents to conduct research in emergency medicine and injury prevention. It is given as the award for the outstanding Scholar Quest project and presentation at the Annual Resident Research Forum.



Scholar Quest is a novel program developed with the goal to provide research training and experience using real world conditions. During the first year of the program, residents are taught research skills. Then, under the direction of the research staff and the University of Arizona Department of Emergency Medicine faculty, residents form teams and develop project proposals based on questions that have been raised by their work in the emergency department. During their second year, the teams conduct the proposed research, submit an abstract of the work to a national meeting, and present their work to a panel of local faculty judges for review.

By conducting their own research, the residents gain valuable personal experience with the research process and improve their skills as practicing physicians through a greater understanding of how new knowledge is developed and validated.



The University of Arizona College of Medicine – Tucson



<http://emergencymed.arizona.edu>

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Emergency Medicine Resident Research Forum

April 29, 2015

9:00 a.m. – 12:00 p.m.

Charles B. Cairns, MD, FACEP, FAAEM, FAHA
Keynote Speaker

The UA Arizona Emergency Medicine Research Center and the Department of Emergency Medicine proudly welcomes Charles B. Cairns, MD as our 2015 Resident Forum Keynote Speaker.

Charles Cairns, MD, a nationally recognized leader in emergency and critical care research, has recently been appointed assistant vice president for clinical research and clinical trials at the Arizona Health Sciences Center and Interim Dean of the University of Arizona College of Medicine – Tucson as well as a Professor of Emergency Medicine in the Department of Emergency Medicine.

Dr. Cairns is an honors graduate of Dartmouth College and was a Holderness Medical Fellow at the University of North Carolina, where he received the Medical Faculty Award as the outstanding graduating medical student. He completed an emergency medicine residency and EMF Research Fellowship at the Harbor-UCLA Medical Center. He received post-graduate training in the Program in Genetics of Complex Diseases at The Jackson Laboratory in Bar Harbor, Maine, and the Health Care Leadership Academy at the Kenan-Flagler School of Business at the University of North Carolina. Dr. Cairns is board-certified in emergency medicine, a fellow of the American College of Emergency Physicians and a fellow of the American Heart Association.

Dr. Cairns has published more than 160 scientific articles and reviews. His work has appeared in such prestigious journals as the *New England Journal of Medicine*, *Annals of Emergency Medicine*, *Academic Emergency Medicine*, *Critical Care Medicine*, *Circulation*, *Chest*, *Journal of Trauma*, *Academic Medicine* and *Science Translational Medicine*. He has received numerous awards and honors, including the EMF Established Investigator Award, the American College of Emergency Physicians (ACEP) Outstanding Contribution in Research Award and the 2014 John Marx Leadership Award, the highest award of the Society for Academic Emergency Medicine (SAEM).

Dr. Cairns' research interests include the host response to acute infections, acute asthma, trauma and cardiac resuscitation and regionalization of emergency and critical care.

Dr. Cairns has served in leadership positions in emergency and critical care medicine organizations, including co-chair of the ACEP-SAEM Research Working Group, SAEM program chair, ACEP Research Committee chair, ACEP Scientific Review Committee chair, on the EMF Board of Trustees, the Leadership Committee for the American Heart Association Council on Cardiopulmonary and Critical Care, the Steering Committee for the Critical Care Societies Collaborative Task Force on Critical Care Research, the Coordination Committee for the NIH National Asthma Education and Prevention Program and as a co-chair of the NIH Roundtables on Emergency Research. He has served on the editorial boards of both *Academic Emergency Medicine* and the *Annals of Emergency Medicine*.

Event Schedule

9:00 a.m. – 9:10 a.m. Welcome
Samuel Keim, MD, MS

9:10 a.m. – 9:30 a.m. Keynote Address
Charles B. Cairns, MD, FACEP, FAAEM, FAHA

9:35 a.m. – 9:50 a.m.
Failed Non-Invasive Positive Pressure Ventilation is Associated with an Increased Risk of Intubation-Related Complications. *Danielle Hallett, MD, and Katharine Hawbaker, MD.* Co-Authors: Jarrod Mosier, MD, John Sakles, MD, Sage Whitmore, MD, Cameron Hypes, MD, Linda Snyder, MD and John Bloom, MD. Mentor: Jarrod Mosier, MD.

9:50 a.m. – 10:05 a.m.
Impact of Electronic Dashboard on Simulated Cardiac Arrest Resuscitation. *Michael Ori, MD.* Co-Authors: Kristen Robinson, MD, Danielle Hallett, MD, Parisa Javedani, MD, and Lisa Goldberg, MD. Mentors: Kevin Reilly, MD and Kristi J.H. Grall, MD, MHPE.

10:05 a.m. – 10:20 a.m.
Acute Management of Blood Pressure in the Emergency Department, *Katherine Altieri, MD.* Co-Authors: Kurt Denninghoff, MD, Sabrina D'Souza, MD and Faryal Shareef, MD. Mentors: Kurt Denninghoff, MD.

10:20 a.m. – 10:35 a.m.
Improving Patient Satisfaction Scores in the Emergency Department with AIDET, A Quality Improvement Project. *Edith Gurrola, MD and Kristen Robertson, MD.* Mentors: Matthew Berkman, MD, Lisa Stoneking, MD, Anna Waterbrook, MD, Brian Drummond, MD and Kristi Grall, MD.

10:35 a.m. – 10:50 a.m.
The Discharge Efficiency Index. *Parisa Javedani, MD and Cameron Newell, MD.* Mentors: Brian Drummond, MD.

10:50 a.m. – 11:05 a.m.
Near-Peer Mentoring For Medical Students Applying To Emergency Medicine . *Bryan Wilson, MD.* Co-Authors: Olga Gokova, MD, Jenny Plitt, MD, Keith Primeau, MD, Vivienne Ng, MD, MPH and Katherine Hiller, MD, MPH. Mentors: Vivienne Ng, MD, MPH and Katherine Hiller, MD, MPH.

11:05 a.m. – 11:20 a.m.
Does Spanish Instruction for Emergency Medicine Residents Improve Patient Satisfaction in the Emergency Department and Adherence to Follow-up? *Duncan Johnston, MD.* Co-Authors: Jessica Garst Orozco, MD, Amber Bellafiore, MD, Callie Davies, MD, Uwe Stolz, PhD, Anna Waterbrook, MD, Jaime Fatas, MD, and Lisa Stoneking, MD. Mentors: Anna Waterbrook, MD, Lisa Stoneking, MD and Uwe, Stolz, PhD.

11:35 a.m. – 11:45 a.m.
What is the Learning Curve for Long-Axis (in-plane) Ultrasound-guided Peripheral Intravenous Catheter Placement? *Anthony Cappa, MD.* Co-Authors: Michael Minckler, MD, Lori Stolz, MD, Uwe Stolz, PhD, R. Wyatt, MD, Richard Amini, MD, and Srikar Adhikari, MD. Mentors: Srikar Adhikari, MD and Uwe Stolz, PhD

11:49 a.m. – Noon Summary
Kurt Denninghoff, MD



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The University of Arizona
Arizona Emergency Medicine Research Center
Department of Emergency Medicine

Conference Planning Committee
Samuel Keim, MD, MS
Professor & Department Head, Emergency Medicine
Arizona Emergency Medicine Research Center Director
The University of Arizona
Kurt R. Denninghoff, MD
Distinguished Professor & Research Associate Head, Emergency Medicine Professor, Optical Sciences
The University of Arizona