

# Emergency Medicine Resident Research Forum

**April 26, 2017**  
**9:00 a.m. – 12:00 p.m.**

Banner – University Medical Center South,  
**La Galeria**, (located on the lower level  
adjacent to the cafeteria)  
3950 S. Country Club Road  
Tucson, Arizona 85713

**Bentley J. Bobrow, MD, FACEP, FAHA**  
**Keynote Speaker**

The University of Arizona Emergency Medicine Research Center (AEMRC) and the UA Department of Emergency Medicine proudly welcome Bentley J. Bobrow, MD, UA distinguished professor of emergency medicine, as our 2017 Resident Research Forum Keynote Speaker. His talk will be “Emergency Medicine Research: Why Should You Care?”

Dr. Bobrow joined the University College of Medicine Department of Emergency Medicine in 2015 as associate director of AEMRC Phoenix. Dr. Bobrow also serves as the medical director for the Arizona Department of Health Services Bureau of Emergency Medical Services & Trauma System. He is internationally recognized for his contributions to the fields of resuscitation science and emergency medical care.

A graduate of the UA, Dr. Bobrow received his medical degree from Jefferson Medical College in Philadelphia and his emergency medicine residency training at Maricopa Medical Center in Phoenix. He has published more than 100 peer-reviewed articles and more than 140 abstracts.

Dr. Bobrow is renowned for his work on implementing and measuring systems of care aimed at improving outcomes for time-sensitive emergency medical conditions, such as out-of-hospital cardiac arrest (OHCA), ST-elevation myocardial infarction (STEMI) and traumatic brain injury (TBI). He has partnered with public health officials, EMS agencies, municipal fire departments, hospitals, university researchers and the public to develop a statewide reporting and education network for responding to out-of-hospital cardiac arrest. This statewide system of care has resulted in a doubling in the rate of bystanders performing CPR and a quadrupling of survival with good neurologic outcome from sudden cardiac arrest in Arizona since 2004.

He is the recipient of the American Heart Association’s Best Resuscitation Science Award; Compassion in Action, Disaster/Emergency Services Award from the American Red Cross; John M. Doll Memorial Award for Outstanding Contribution to Public Health Literature from the Arizona Department of Health Services; Public Leadership Award from the Sudden Cardiac Arrest Association; Vision Award from the Association of State and Territorial Health Officials; Outstanding Contribution to EMS from the Arizona Emergency Medical Systems; Public Health Service Award from the Arizona Medical Association/Arizona Department of Health Services; and National Clinical Trial of the Year Award by the Society for Clinical Trials.



## EVENT SCHEDULE

### WELCOME and INTRODUCTION

**9:00 – 9:10 a.m.**

Samuel M. Keim, MD, MS

### KEYNOTE ADDRESS

**9:10 – 9:55 a.m.**

Emergency Medicine Research: Why You Should Care?

Bentley J. Bobrow, MD, FACEP, FAHA

### PRESENTATIONS

**9:55 – 10:05 a.m.**

Algorithm for allocation of mechanical ventilators in low/middle income countries

*Joseph Henderson, MD. Mentor: Kenneth Iserson, MD, MBA, FACEP*

**10:05 – 10:15 a.m.**

Comparison of the C-MAC and Glide-Scope-MAC for intubation in the emergency department

*Matthew Douglas, MD. Mentor: John Sakles, MD*

**10:15 – 10:25 a.m.**

Prehospital intubation is associated with favorable outcomes and lower mortality in ProTECT III

*Javier Figueroa, MD, Christine Huang, MD. Mentor: Kurt Denninghoff, MD*

**10:25 – 10:35 a.m.**

Measuring the optic nerve sheath diameter with ultrasonography using novel inferior orbital approach

*Stephen Houmes, MD, Rebecca Milligan, MD, Lisa Goldberg, MD. Mentor: Richard Amini, MD, RDMS*

**10:35 – 10:45 a.m.**

Assessment of resident study habits

*Amanda Murphy MD, Robert Conley, MD. Mentor: Vivienne Ng, MD, MPH*

**10:45 – 10:55 a.m.**

Tents at concert functions to assess alcohol consumption and injuries

*Tomas Navarro, MD. Mentor: Joshua Gaither, MD, FACEP*

**10:55 – 11:05 a.m.**

The CoPE project: Three teaching sessions with interns about difficult patients, difficult consults, and breaking bad news

*Sara Paradise, MD, Emily Beck, MD, Jordan Justice, MD. Mentor: Alice Min Simpkins, MD, FACEP*

**11:05 – 11:15 a.m.**

Patient satisfaction using real-time feedback in the ED

*Jessica Bates, MD. Mentors: Matt Berkman, MD, Vivienne Ng, MD, MPH, Lisa Stoneking, MD, FACEP*

**11:15 – 11:25 a.m.**

Use of point-of-care ultrasound in the management of sepsis

*Reuben Lakshmanan, MD. Mentor: Srikar Adhikari, MD, MS, RDMS*

**11:25 – 11:35 a.m.**

Personal finance for physicians

*John Hagenberg, MD. Mentor: Katherine Hiller, MD, MPH, FACEP*

**11:35 – 11:45 a.m.**

Shadowing emergency medicine residents as a way to provide feedback and evaluate residency milestones

*Karen Bertels, MD. Mentors: Lisa Stoneking, MD, FACEP, Anna Waterbrook, MD, FACEP*

**11:45 – 11:55 a.m.**

Characterizing the change in bilirubin level of bruises over time through the use of transcutaneous spectrophotometry

*Molly Wormley, MD, Lisa Greenfield, MD, Stephany Chiacchio, MD. Mentor: Dale Woolridge, MD, PhD*

### SUMMARY

**11:55 a.m. – 12:00 p.m.**

Kurt Denninghoff, MD



## Sponsored by

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

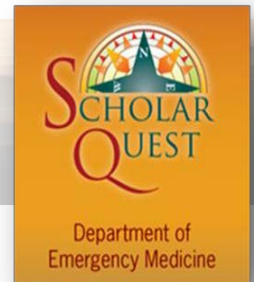
## Conference Planning Committee

### **Samuel M. Keim, MD, MS**

Professor and Department Chair, Emergency Medicine;  
Director, University of Arizona Emergency Medicine  
Research Center; Professor of Public Health, Mel and  
Enid Zuckerman College of Public Health

### **Kurt R. Denninghoff, MD**

Distinguished Professor and Research Associate Head,  
Emergency Medicine; Professor, Optical Sciences



## **Maria C. Mandell Memorial Emergency Medicine Award**

This award is given in memory of Maria C. Mandell, who was a dedicated volunteer for emergency medicine at the University of Arizona, beginning with University Medical Center's opening in 1971 and until her death in 1983. It was through her efforts that the Emergency Medicine 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 ScholarQuest project and presentation at the Annual Resident Research Forum.

ScholarQuest 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 UA Department of Emergency Medicine faculty and research staff, 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.