

DEPARTMENT OF SURGERY
RESEARCH SYMPOSIUM
Presentations

Basic/Translational Science Research

Matthew Bartley, MD: *Lipoprotein A Fails to Inhibit Plasminogen Activation and Fibrinolysis in a Whole Blood Model*

Julia Coleman, MD: *Female Platelets Have Distinct Functional Activity Compared to Male Platelets: Implications in Transfusion Practice and Treatment of Trauma-Induced Coagulopathy*

Stephanie Davis, MD: *A Novel Technique of Ultrasound-Guided Orthotopic Injections of Thyroid Cancer Cell Lines in a Syngeneic Mouse Model*

Maggie Hodges, MD: *Differential Expression of TGF β 1 is Associated with Fetal Regeneration After Myocardial Infarction**

Michael Jarrett, MD: *Simvastatin Downregulates Toll-Like Receptor 4-Induced Osteogenic Response in Human AVICs*

Patrick Kohtz, MD: *Toll-like Receptor-4 is a Mediator of Proliferation in Esophageal Adenocarcinoma**

Robert Torphy, MD: *The Role of Orphan G Protein-Coupled Receptor 182 (GPR182) in Mediating T Cell Infiltration in the Tumor Microenvironment*

Allana White, MD: *Statin Therapy Attenuates Pro-Oncogenic Changes in Barrett's Dysplasia by Inhibition of the Toll-Like Receptor 4/NF- κ B Signaling Pathway*

* Ben Eiseman Basic Science Research Award Competition

DEPARTMENT OF SURGERY
RESEARCH SYMPOSIUM
Presentations

Clinical/Health Services Science Research

Luke Bidikov, MD: *Initial Multi-Disciplinary Experience in Penile Inversion with Skin Graft Vaginoplasty in a Safety-Net Hospital*

Rashikh Choudhury, MD: *Uncontrolled Donation After Cardiac Death Kidney Transplantation: Opportunity to Expand the Donor Pool?*

Christian Ghincea, MD: *Utility of Neuromonitoring in Hypothermic Circulatory Arrest Cases for Early Detection of Stroke – Listening through the Noise*

Alexandra Kovar, MD: *The Extremity/Mechanism/Shock Index/GCS (EMS-G) Score: A Novel Pre-Hospital Scoring System for Early and Appropriate MTP Activation with Validation in TQIP Data*

Hunter Moore, MD, PhD: *Plasma-first Resuscitation to Treat Haemorrhagic Shock During Emergency Ground Transportation in an Urban Area: A Randomised Trial*

Benedetto Mungo, MD: *Diaphragmatic Hernia after Minimally Invasive Esophagectomy*

Abhinav Singh, MD: *Accurate Preoperative Prediction of Discharge Destination Using Eight Predictor Variables***

Matthew Stone, MD: *Inefficient Flow Patterns Predominate within the Systemic Ventricle of Children with Hypoplastic Left Heart Syndrome*

** Ben Eiseman Clinical Science Research Award Competition

Alden H. Harken, MD



Alden H. Harken, M.D. is Professor Emeritus of Surgery in the UCSF - East Bay Surgery Program. Dr. Harken is Board certified by the American Board of Surgery and the American Board of Thoracic Surgery. In 2005 and 2006, surgical residents voted Dr. Harken the Julia Burke Outstanding Teacher of the Year. Recently, Dr. Harkin was honored with the 2012 Lifetime Achievement Award from the Society of University Surgeons (SUS).

After completing his undergraduate work at Harvard College in 1963, Dr. Harken graduated from Case Western Reserve Medical School in 1967. He completed surgical and pediatric cardiovascular residencies at the Peter Bent Brigham Hospital and the Boston Children's Medical Hospital in 1973; then joined the Walter Reed Army Institute of Research in Washington, D.C., where he was an investigator gaining the rank of Lieutenant Colonel.

In July 1976, Dr. Harken accepted a position at the University of Pennsylvania in the Division of Cardiothoracic Surgery where he became well known as a dedicated and highly respected scientist, warmly regarded for his friendly and dynamic personality.

During his eight years at the University of Pennsylvania, Dr. Harken worked in all areas of academic medicine, authored scientific papers, was awarded NIH grants and was advanced to Professor of Surgery. He became a specialist in the surgical correction of cardiac arrhythmias.

In 1983 Dr. Harken accepted the position as Chairman of the Department of Surgery at the University of Colorado Health Sciences Center and for the next two decades he was a vigorous advocate of surgical residency training, he promoted multiple surgical programs and served as the Principle Investigator of Colorado's NIH Trauma Program Project Grant and Surgical Research Training Grant.

Dr. Harken has authored or coauthored 500 peer-reviewed manuscripts. He is a past Director of both the American Board of Surgery and the American Board of Thoracic Surgery, a Regent of the American College of Surgeons, past President of the Halsted Society (1994-95), the Society of University Surgeons (1985-86) and the Association of Academic Surgery (1983-84). He has served on NIH Surgery Study Sections since 1985 and chaired an NIH Fellowship Study Section. He is a member of the American Surgical Association, the Society of University Surgeons, the Society for Thoracic Surgeons, American Association for Thoracic Surgery and the Southern Surgical Association. He also serves on the editorial board for nine scientific journals.

Sixth Annual Department of Surgery Research Symposium & Third Annual Sarah V. & Ernest E. Moore Trauma Lectureship

Monday, May 20, 2019



7:00 AM - 11:30 AM

**Anschutz Medical Campus
Bruce Schroffel Conference Center Auditorium
Anschutz Inpatient Pavilion 2 , Room 1.771**

Welcome to the combined Sixth Annual Department of Surgery Research Symposium and the Third Annual Sarah V. and Ernest E. Moore Trauma Lectureship. This symposium is dedicated to research performed by Residents, Fellows and Faculty of the Department of Surgery, focusing on research performed over the past year. This year, we are pleased to welcome Alden H. Harken, MD as the Visiting Professor and moderator for the symposium. Dr. Harken is an accomplished surgeon and researcher.

We received 28 outstanding submissions for presentation this year. The 16 selected speakers represent the broad spectrum of basic/ translational science and clinical/ outcomes research being performed in many of the divisions within the Department of Surgery. Residents and Fellows presenting their research are competing for the Ben Eiseman Outstanding Research for a publication, the Ernest E. Moore Award for best basic science research presentation, and the Frederick L. Grover Award for best clinical science research presentation.

Ben Eiseman Research Award: Inspired by, and in honor of, our own surgical innovator, this is presented annually for the most outstanding first-authored publication in basic science and clinical research. The review committee has selected two manuscripts from each category for presentation today.

Ernest E. Moore Award in Basic Science Research: In honor of Dr. Ernest "Gene" Moore, and in recognition of his significant contributions to basic science in surgery, one resident will receive this award based on outstanding presentation of basic or translational science research.

Frederick L. Grover Award in Clinical Science Research: In honor of Dr. Frederick L. Grover, and in recognition of his significant contributions to clinical science in surgery, one resident will be selected to receive this award based on outstanding presentation of clinical science or health services research

Award recipients will be announced at the Department of Surgery Graduation Dinner.

Congratulations to all the applicants and participants.



Richard D. Schulick, MD, MBA, FACS
The Aragón/Gonzalez-Gústí Chair of Surgery



Robert A. Meguid, MD, MPH, FACS
Surgical Director, Surgical Outcomes and Applied Research

FIFTH ANNUAL DEPARTMENT OF SURGERY RESEARCH SYMPOSIUM

THIRD ANNUAL SARAH V. & ERNEST E. MOORE TRAUMA LECTURESHIP

May 20, 2019

Alden H. Harken, MD
Professor Emeritus of Surgery
University of California, San Francisco-East Bay

- 7:00 -8:00 AM** Department of Surgery Grand Rounds Visiting
Professor Presentation
"The Value of Asking Questions"
Alden H. Harken, MD
- 8:15 AM -11:00 AM** Department of Surgery Research
Presentations
- 11:30 AM -1:00 PM** Invited Luncheon for Research Residents
AO1, Freeman Conference Room, Room 6101
- 1:30 PM - 3:30 PM** Faculty Meetings, SICU Rounds & Case
Presentations
Denver Health Medical Center

Prior Visiting Professors:

- 2014 - Clifford Y. Ko, MD, MS, MSHS
2015 - Rosemary Kozar, MD, PhD
2016 - Caprice Greenberg, MD, MPH
2017 - Ronald V. Maier, MD
2018 - Martin Makary, MD, MPH