**Tuesday, April 23**

3:00 pm **APDS Panel Session I: Resident Education Research That Gets Stuff Done: How to answer the lingering questions of education best practices**  
   Moderator: James Korndorffer, MD, Stanford University, Palo Alto, CA

4:15pm **APDS Paper Session II**  
**Implementation of the Fundamentals of Vascular Surgery for General Surgical Residents**  
Edmund Lee, MD, Sylvia Bereknyei Merrell, MD, PhD, Jason Lee, MD and Michael Sgori, MD, Stanford University School of Medicine, Stanford, CA (R)

5:45 pm **Poster Sessions**  
**Poster Session 2**  
Moderator: James Lau, MD, Stanford University School of Medicine, Stanford, CA  
**Safely Reducing the Interview Burden in the Match**  
Marc Melcher, MD, Irene Lo, PhD, Irene Wapnir, MD, Erling Skancke, MS, Alvin Roth, PhD and Itai Ashlagi, PhD, Stanford School of Medicine, Stanford, CA

**Poster Session 4**  
**Teaching Communications Skills to Surgical Residents: When Residents Lead a Published Curriculum**  
Julia M. Chandler, MD MS1, Edmund W. Lee, MD1, Kimberly Kopecky, MD, MCSI1, Shireen Heidari, MD1, Chang Liu, PhD1, Denise Mohess, MD1, Sylvia Bereknyei Merrell, DrPH MS1, James N. Lau, MD1, Jonathan Dort, MD2 and Anna B. Newcomb, PhD2, 1Stanford University School of Medicine, Stanford, CA, 2Inova Fairfax Hospital, Falls Church, VA
**Wednesday, April 24**

12:00 pm **APDS Luncheon Workshops – Session 1 (box lunch provided)**

*Implementing a Patient-Centered Communications Curriculum for Surgery Residents at Your Institution*

Julia Chandler, MD1, Edmund Lee, MD1, Kimberly Kopecky, MD1, James Lau, MD1, Anna Newcomb, PhD2 and Jonathan Dort, MD2, 1Stanford University, Department of Surgery, Stanford, CA, 2Inova Fairfax Medical Center, Department of Surgery, Falls Church, VA

**Survey Research Methodology: Designing the Best Items**

APDS Research Committee: Edmund W. Lee, MD, Karen J. Brasel, MD; Amanda Phares MD, David T. Harrington, MD, Alan J. Schwartz, PhD, James R. Korndorffer, MD

1:00 pm **APDS Luncheon Workshops – Session 2**

*#5 Survey Research Methodology: Sampling and Data Analysis*

APDS Research Committee: Edmund W. Lee, MD, Karen J. Brasel, MD, Amanda Phares, MD, David T. Harrington, MD, Alan J. Schwartz, PhD and James R. Korndorffer, MD

2:00 pm **APDS Paper Session IV**

*Under-represented Minorities are Under-represented Among General Surgery Applicants Invited to Interview*

Benjamin T. Jarman MD1, Kara J. Kallies MS1, Amit R.T. Joshi MD2, Douglas S. Smink MD3, George A. Sarosi MD4, Lily Chang MD5, John M. Green MD6, Jacob A. Greenberg MD7, Marc L. Melcher MD8, Valentine Nfonsam MD9, Luis D. Ramirez MPH1, James Whiting MD10 1Gundersen Medical Foundation, Gundersen Health System, La Crosse, WI; 2Einstein Healthcare Network, Philadelphia, PA; 3Brigham Women’s Medical Hospital, Boston, MA; 4University of Florida, Gainesville, FL; 5Virginia Mason Medical Center, Seattle, WA; 6Carolina Medical Center, Charlotte, NC; 7University of Wisconsin, Madison, WI; 8Stanford University, Stanford, CA; 9University of Arizona, Tucson, AZ; 10Maine Medical Center, Portland, ME

**Development of a Framework for Selection Attributes of Residents**

Alisa Nagler, EdD1, Maura Sullivan, PhD2, James Korndorffer, MD3, John Boulet, PhD4, Matt Lineberry, PhD5, Jeremy Lipman, MD6, Patrice Gabler Blair, MPH2, and Ajit K. Sachdeva, MD, FACS, FRCS, FSACME2, 1American College of Surgeons, Chicago, IL, 3Stanford University School of Medicine, Stanford, CA, 2Keck School of Medicine, Los Angeles, CA, 4Educational Commission for Foreign Medical Graduates, Philadelphia, PA, 5University of Kansas Health System and University of Kansas Medical Center, Kansas City, KS, 6Cleveland Clinic, Department of Colorectal Surgery, Cleveland, OH
Thursday, April 25

8:00 am APDS “QUICK SHOT” Paper Session V

Tracking Surgical Education Survey Research Through the APDS Listserv
Tiffany Anderson, MD, Edmund Lee, MD, Sylvia Bereknyei Merrell, MD, PhD and James Korndorffer, MD, Stanford University, Stanford, CA

12:10 pm-1:45 pm ASE Plenary Paper Session 1

Use of Error Management Theory to Quantify and Characterize Residents Error Recovery Strategies - Carla M Pugh, MD, PhD, Katherine L Forsyth, PhD, Elaine R Cohen, MEd, Anne-Lise D D’Angelo, MD, Jacob A Greenberg, MD, EdM, Caprice C Greenberg, MD, MPH, Douglas A Wiegmann, PhD

Can Discourse Analysis Predict Surgical Outcomes? Evaluating How We Talk in the Operating Room and What it Means - Anne-Lise D D’Angelo, Andrew Ruis, David W Shaffer, Carla M Pugh

3:15 pm-5:00 pm ASE Podium Sessions

Session 1 - Curriculum Development

“It’s Like Learning by the Seat of Your Pants:” Surgeons Lack Formal Training in Opioid Prescribing - Nagehan Ayakta, BA, Lindsay Sceats, MD, Sylvia Bereknyei-Merrell, DrPH, Cindy Kin

Session 2 - Medical Student Training

Service Through Surgery: The Impact of a Seminar Course on Mentorship and Student Attitudes About Surgery, Diversity, and Care for the Underserved - Anna L Carroll, BA, Tyler S Bryant, MHS, Jecca Rhea Steinberg, MSc, Paloma Marin-Nevarez, BA, Sylvia Bereknyei Merrell, DrPH, MS, James N Lau, MD, MHPE, FACS

A Multi-Institutional Implementation of a Subinternship Curriculum: Safe Education in a High-Stakes Audition Setting - Edmund W Lee, MD, John R Martin, MD, Sylvia Bereknyei Merrell, DrPH, MS, Katie J Stanton-Maxey, MD, James N Lau, MD, MHPE

Session 3 - Teaching Methods

Characterizing Teamwork in the Perioperative Environment: A Qualitative Analysis of Interprofessional Perspectives - Brittany Hasty, MD, MHPE, Paloma Marin Nevarez, BS, James Lau, MD, MHPE, FACS
**Friday, April 26**

8:00 am-9:30 am **ASE Podium Session 4 – Assessment**

*Best Practice Program for Central Venous Catheter Insertion: 3 Years of Refinement* - Tiffany N Anderson, MD, Richard W Sapp, MS, Edmund W Lee, MD, Sylvia B Merrell, DrPH, Laura Mazer, MD, Cara Liebert, MD, Dana Lin, MD, James Lau, MD, MHPE

*A Mixed-Methods Analysis of In-Situ Interprofessional Operating Room Simulations on Surgeon Confidence and Practice Behaviors* - Brittany Hasty, MD, MHPE, Eniola Gros, BS, Sara Goldhaber-Fiebert, MD, Sarah Hirx, MSN, RN, CNOR, Teresa Roman-Micek, CHSOS, Ruth Fanning, MB, MRCPI, FFARCSI, Mary Lou Jackson, MSN, RN, CNOR, James Lau, MD, MHPE, FACS

1:00 pm-3:00 pm **Concurrent Workshops**

*Medical Student Mistreatment: Coping Strategies and Resilience on the Surgery Clerkship* - Brittany Hasty, MD, MHPE, Sylvia Bereknyei Merrell, DrPH, MS, James Lau, MD, MHPE, FACS

*Protecting the Quality of our Assessments: Understanding Validity and Reliability in Surgery* - Edmund W Lee, MD, Tiffany N Anderson, MD, Elizabeth M Huffman, MD, John R Martin, MD, Dana T Lin, MD, James N Lau, MD, MHPE, Jeremy M Lipman, MD, Yoon Soo Park, PhD, Ara Tekian, PhD, MHPE

4:30 pm-5:35 pm **ASE Podium Sessions**

**Session 7 – Recruitment**

*A Pipeline to Surgery: Development and Implementation of an Experiential Program for Low-Income High School Students* - Serena Bidwell, MPH, Miquell O Miller, MD, Edmund Lee, MD, Kirbi Yelorda, MD, Mary Hawn, MD, MPH, FACS, Sylvia Bereknyei-Merrell, DrPH, MS, Arden M Morris, MD, MPH

**Session 8 - Simulation 1**

*Simulation-Based Bowel Anastomoses: Improving Standards of Competency-Based Education in Residency* - Tiffany N Anderson, MD, Edmund W Lee, MD, Richard W Sapp, MS, Sylvia B Merrell, DrPH, Dana Lin, MD, Natalie Kirilcuk, MD, James Lau, MD, MHPE

**Session 9 - Simulation 2**

*Moderators: Nick Sevdalis and Dana Lin*

*Are Experts More Cautious? Effect of Scenario Variation in Advanced Airway Assessment* - Kenneth H Perrone, MD, Hossein Mohamadipanah, PhD, Su Yang, BS, Anna Witt, BS, Brett Wise, BS, Cassidi Goll, BS, Stefani Dawn, PhD, Wade Eichhorn, BS, Carla Pugh, MD, PhD