



20th Annual Plastic Surgery Research Day
Department of Plastic Surgery
University of Pittsburgh
University Club, Ballroom B
Friday, June 23, 2023

The overall goal of the Pitt Plastic Surgery Research Day is to discuss and educate the audience on new concepts and technologies in clinical and translational research in all areas of plastic surgery.

7:00 AM - 7:30 AM	Breakfast
7:30 AM - 7:45 AM	Introduction and Opening Remarks (J. Peter Rubin, MD, MBA; Kacey Marra, PhD; Jesse Goldstein, MD)
7:45 AM - 8:45 AM	Kevin C. Chung, MD, MS <i>Visiting Professor</i> Charles B. G. De Nancrede Professor of Surgery, Plastic Surgery and Orthopaedic Surgery University of Michigan <i>"The Distal Radius: Relevance, Nuance and Science"</i>
8:45 AM - 9:00 AM	Break/Vendor Exhibits
9:00 AM - 10:30 AM	Session I - Clinical Research I Presentations (Moderators: Carolyn De La Cruz, MD and Francesco Egro, MBChB, MSc, MRCS)
10:30 AM - 10:45 AM	Break/Vendor Exhibits
10:45 AM - 12:00 PM	Session II - Education, Quality and Innovation Presentations (Moderators: Shawn Loder, MD and Brodie Parent, MD, MPH)
12:00 PM - 1:00 PM	Lunch and Presentation: Kevin C. Chung, MD, MS <i>Visiting Professor</i> University of Michigan <i>"How to Articulate an Impactful Study Question"</i>
1:00 PM - 2:25 PM	Session III - Clinical Research II Presentations (Moderators: Alexander Davit, MD and Teun Teunis, MD, PhD)
2:25 PM - 2:45 PM	Break/Vendor Exhibits
2:45 PM - 3:30 PM	Session IV - Basic Science Presentations (Moderator: Lauren Kokai, PhD)
3:30 PM - 3:45 PM	Concluding Remarks (J. Peter Rubin, MD, MBA)
3:45 PM	Adjournment
3:45 PM - 5:30 PM	Rooftop Reception and Award Presentations

Course Directors:

Jesse A. Goldstein, MD
Associate Professor of Plastic Surgery
University of Pittsburgh, Pittsburgh, PA

Kacey G. Marra, PhD
Professor and Vice Chair of Research
Department of Plastic Surgery
Professor of Bioengineering
University of Pittsburgh, Pittsburgh, PA

Intended Audience:

The target audience for the meeting includes plastic surgeons in practice and in training, both private and academic, and members of the plastic surgery research community.

Learning Objectives:

At the conclusion of this activity, attendees should be able to:
Demonstrate knowledge of current concepts in plastic and reconstructive surgery;
Access clinical data that will have a direct impact on the everyday practice of plastic surgery;
Integrate basic science research to assist in making better clinical and operative decisions; and
Implement techniques in the areas of patient safety, clinical/surgical outcomes, and complications that will improve their performance and patient outcomes.

Accreditation and Credit Designation Statement:

In support of improving patient care, the University of Pittsburgh is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physician (CME)

The University of Pittsburgh designates this live activity for a maximum of 7.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician Assistant (AAPA)

The University of Pittsburgh has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in

accordance with AAPA CME Criteria. This activity is designated for 7.0 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

Other health care professionals will receive a certificate of attendance confirming the number of contact hours commensurate with the extent of participation in this activity.

Link to website for CME:

<https://cce.upmc.com/plastic-surgery-20th-annual-research-day>

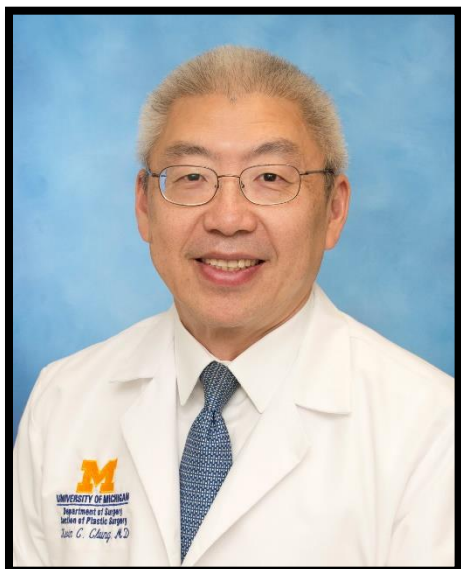
Sponsored by:

University of Pittsburgh School of Medicine Center for Continuing Education in the Health Sciences and the Department of Plastic Surgery.

The information presented at this program represents the views and opinions of the individual presenters, and does not constitute the opinion or endorsement of, or promotion by, the UPMC Center for Continuing Education in the Health Sciences, UPMC / University of Pittsburgh Medical Center or Affiliates and University of Pittsburgh School of Medicine. Reasonable efforts have been taken intending for educational subject matter to be presented in a balanced, unbiased fashion and in compliance with regulatory requirements. However, each program attendee must always use his/her own personal and professional judgment when considering further application of this information, particularly as it may relate to patient diagnostic or treatment decisions including, without limitation, FDA-approved uses and any off-label uses.

Visiting Professor and Keynote Speaker

Kevin C. Chung, MD, MS



Kevin C. Chung, MD, MS, the Charles B. G. De Nancrede Professor of Surgery, Plastic Surgery and Orthopaedic Surgery, received his health services research training as a Robert Wood Johnson Clinical Scholar from the University of Michigan. He obtained his general surgery training from the University of Texas in San Antonio, his plastic surgery training from the University of Michigan and his hand surgery training from the Curtis National Hand Center in Baltimore. At the University of Michigan Medical School, he has served as the Assistant Dean for Faculty Affairs in charge of Tenure and Promotions for 12 years, and is the Associate Director for Global REACH, the global health program of the Medical School. Dr Chung is Chief of Hand Surgery for Michigan Medicine and Director of the Comprehensive Hand Center.

Dr. Chung was the 75th President for the American Society for Surgery of the Hand. He was a Director for the American Board of Plastic Surgery and the American Board of Surgery. He has served as Treasurer/Secretary for the American Board of Plastic Surgery. He was the past Vice-President of

Research and past Trustee for the American Society of Plastic Surgeons. He was the Past President of the Plastic Surgery Foundation, the academic arm of the American Society of Plastic Surgeons. He has served as a member of the Plastic Surgery Residency Review Committee. He was past Chairman of the AO North America Hand Education Committee in charge of hand surgery educational programs for the US and Canada.

He has published over 770 peer-reviewed manuscripts (over 35,000 citations, H index 89), over 500 book chapters, and 29 textbooks. He is the Editor of the legacy textbook in the field of Plastic Surgery, Grabb and Smith's Plastic Surgery, 8th and 9th Editions, which is the standard textbook for this specialty. He is the Editor for Hand Surgery Operative Technique textbook that is in its 4th edition, which has been translated into major languages in the world as a vehicle for hand surgery education. He has over 25 years of continuous National Institutes of Health funding and was the principal investigator of an R01 grant for a multicenter clinical study on the rheumatoid hand that received a competitive renewal, and another R01 grant on a 24 center clinical trial for the treatment of distal radius fracture in the elderly. He had received a 10-year K24 Midcareer Investigator Grant in Patient-Oriented Research. He held a U34 grant from the National Institutes of Health in planning a clinical trial in treating ulnar neuropathy at the elbow, and has received in the past a R34 Clinical Trial Planning grant and a R21 Exploratory/Developmental Research Grant Award also from the National Institutes of Health. He has a current U01 grant from the NIH to conduct a 10 center Surgery of the Ulnar Nerve (SUN) clinical trial, and is a Co-Principal Investigator of an over 20-year T32 training grant in health services research that received a recent competitive renewal.

Dr Chung was the first recipient of the Weiland Medal from the American Society for Surgery of the Hand to honor a hand surgeon whose research work advanced the specialty. He was the 2011 Researcher of the Year for the American Association of Plastic Surgeons. In 2008, Dr. Chung received the Dean's award from the University of Michigan Medical School for Clinical and Health Services Research that is bestowed onto one faculty member for outstanding research accomplishments. In 2016, Dr Chung again received the Dean's award for the Outstanding Clinician Award recognizing the exemplary performance of a practicing clinician. In 2020, he was recognized by the Plastic Surgery Foundation for the Distinguished Career Researcher Award, as well as receiving from the American College of Surgeons the Dr. Rodman E. Sheen and Thomas G. Sheen Award to recognize an outstanding Doctor of Medical Science in the United States. Dr. Chung was the past Deputy Editor for the *Journal of Hand Surgery (American)* and past Associate Editor for the *Journal of Hand Surgery (European)*. He was the past Outcomes Section Editor for *Plastic and Reconstructive Surgery*. He is the Editor for Hand Clinics and the Editor-in-Chief of *Plastic and Reconstructive Surgery*.

University of Pittsburgh School of Medicine
Department of Plastic Surgery Faculty:

J. Peter Rubin, MD, MBA
Professor & Chair

Jeffrey A. Gusenoff, MD
Professor

Joseph E. Losee, MD
Professor & Executive Vice Chair

Lauren E. Kokai, PhD
Assistant Professor

Kacey G. Marra, PhD
Professor & Vice Chair of Research

Mark Kubik, MD
Assistant Professor

Vu T. Nguyen, MD
Associate Professor & Vice Chair of Education

Ernest K. Manders, MD
Professor Emeritus

T. Oguz Acartürk, MD
Clinical Associate Professor

Brodie Parent, MD, MS
Assistant Professor

Michael R. Bykowski, MD, MS
Assistant Professor

James M. Russavage, MD
Clinical Assistant Professor

Alexander J. Davit III, MD
Assistant Professor

Lindsay Schuster, DMD, MS
Associate Professor

Carolyn De La Cruz, MD
Associate Professor

Mario G. Solari, MD
Assistant Professor

Francesco M. Egro, MBChB, MSc, MRCS
Associate Professor

Shaum Sridharan, MD
Assistant Professor

Asim Ejaz, PhD
Assistant Professor

Guy M. Stofman, MD
Clinical Professor

Michael L. Gimbel, MD
Associate Professor

Teun Teunis, MD, PhD
Assistant Professor

Jesse A. Goldstein, MD
Associate Professor

Dawn J. Wang, MD, MS
Assistant Professor



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8:45 AM - 9:00 AM	Break/Vendor Exhibits
9:00 AM - 10:30 AM	Session I - Clinical Research I Presentations (Moderators: Carolyn De La Cruz, MD and Francesco Egro, MBChB, MSc, MRCS)
9:00 AM - 9:05 AM	Assessment of Long-Term Speech Outcomes in Children with Pierre Robin Sequence <u>Casey Zhang, BA</u> ; Joseph W. Mocharnuk, BA; Justin Beiriger BSE; Zhazira Irgebay, MD; John Smetona, MD; Matthew Ford, MS; Joseph E. Losee, MD; Jesse A. Goldstein, MD
9:05 AM - 9:10 AM	Upper Extremity Functional Outcomes after Breast Cancer Treatment: An Analysis of DASH Scores in Breast Reconstruction Patients Pooja Humar, BS; Elizabeth Moroni, MD, MHA; <u>Anjali Raghuram, MD</u> ; Xuan-Mai Nguyen, PhD; Zainab Balogun, BS; Casey Zhang, BS; Carolyn De La Cruz, MD
9:10 AM - 9:15 AM	Infection Prevention in Implant-Based Breast Cancer Reconstruction Using Prophylactic Antibiotic Calcium-Sulfate Beads <u>James D. Fisher, MD, PhD</u> ; Casey Zhang, BS; Pooja Humar, BS; Yadira Villalvazo, MD, MS; Brodie Parent, MD

<p>9:15 AM - 9:20 AM</p>	<p>The Spectrum of Severity in 368 Patients with Metopic Craniosynostosis: An Update to the CranioRate Machine Learning Algorithm</p> <p><u>Anne E. Glenney, BA</u>; Joseph W. Mocharnuk, BA; Griffin Bins, MD; Erin Anstadt, MD; Lucas Dvoracek, MD; Megan Pencek, MD; Wenzheng Tao, BS; Ross Whitaker, PhD; Lisa R. David, MD; Christopher M. Runyan, MD; Michael Golinko, MD; Michael Alperovich, MD; Jesse Taylor, MD; Jordan Swanson, MD; Jesse A. Goldstein, MD</p>
<p>9:20 AM - 9:25 AM</p>	<p>Correction of Inverted Nipples with Fat Grafting: A Novel technique for a Challenging Problem</p> <p>Erin Anstadt, MD; <u>Michael Marallo, MD</u>; Carolyn De La Cruz, MD</p>
<p>9:25 AM - 9:30 AM</p>	<p>Improving Prescribing Practices and Post-operative Use of Opioid Analgesia</p> <p><u>Nia Buckner, MS</u>; Bahaa Shaaban, MD, MS; Carolyn De La Cruz, MD</p>
<p>9:30 AM - 9:45 AM</p>	<p>Discussion</p>
<p>9:45 AM - 9:50 AM</p>	<p>Tranexamic Acid (TXA) In Head and Neck Microvascular Free Flap Reconstruction: A Prospective Study</p> <p><u>Michael S. Hu, MD, MPH, MS</u>; Fuat Baris Bengur, MD; Rula Mualla, MD; Arash Samadi, MD; Mohin Bhadkamkar, MD; Matthew Bottegal, BA; Vu T. Nguyen, MD; Michael L. Gimbel, MD; Shaum S. Sridharan, MD; Mario G. Solari, MD; Mark W. Kubik, MD</p>
<p>9:50 AM - 9:55 AM</p>	<p>Scar Contracture Recurrence After Axillary Burn Reconstruction: A Single Institution's 13-Year Experience</p> <p><u>Hilary Liu, BS</u>; Mario Alessandri Bonetti, MD; Tiffany Jeong, MS; Guy Stofman, MD; Francesco Egro, MBChB, MSc, MRCS</p>
<p>9:55 AM - 10:00 AM</p>	<p>A 12-Year Experience in Lower Extremity Acute Burns Reconstruction</p> <p><u>Mario Alessandri Bonetti, MD</u>; Tiffany Jeong, BS; Guy M Stofman, MD; Francesco M Egro, MBChB, MSc, MRCS</p>
<p>10:00 AM - 10:05 AM</p>	<p>14 year experience in burn eyelid surgery: A single center retrospective cohort study at UPMC Mercy</p> <p><u>Tiffany Jeong, BA</u>; Mario Alessandri Bonetti, MD; Avril Betances, MD; Guy Stofman, MD; Francesco M. Egro, MBChB, MSc, MRCS</p>
<p>10:05 AM - 10:10 AM</p>	<p>Autologous Fat Grafting to the Post-Traumatic Stiff Proximal Interphalangeal Joint</p> <p>Justine S. Kim, MD; <u>Samantha G. Maliha, MD</u>; J. Peter Rubin, MD, MBA; Mark E. Baratz, MD</p>
<p>10:10 AM - 10:15 AM</p>	<p>Effect of Pre-weight Loss BMI on Surgical Outcomes in Patients Undergoing Body Contouring Procedures</p> <p><u>Joshua A. David, MD</u>; Pooja Humar, BS; Joseph Mocharnuk, BS; Anne Glenney, BA; Malke Asaad, MD; Casey Zhang, BS; Elizabeth Moroni, MD, MHA; Jeffrey Gusenoff, MD; J. Peter Rubin, MD, MBA</p>

10:15 AM - 10:30 AM	Discussion
10:30 AM - 10:45 AM	Break/Vendor Exhibits
10:45 AM - 11:45 AM	Session II – Education, Quality and Innovation Presentations (Moderators: Shawn Loder, MD and Brodie Parent, MD, MPH)
10:45 AM - 10:50 AM	Plastic Surgery: Pathways to Leadership <u>Yadira Villalvazo, MD, MS</u> ; Alexandra Vagonis, BS; Dzana Katana, PhD; Fuat Baris Bengur, MD; Pooja Humar, BS; Anne Glenney, BA; J. Peter Rubin, MD, MBA; Kacey G. Marra, PhD; Ashley Amalfi, MD; Carolyn De La Cruz, MD
10:50 AM - 10:55 AM	ChatGPT is Equivalent to First Year Plastic Surgery Residents! Evaluation of ChatGPT on the Plastic Surgery In-Service Exam <u>Malke Asaad, MD</u> ; Pooja Humar, BS; Fuat B. Bengur, MD; Vu T. Nguyen, MD
10:55 AM - 11:00 AM	Development of an Innovative Device to Enable on-site Cryopreservation of Lipoaspirates to be Used in Repeat Procedures. <u>José Antonio Arellano, MD</u> ; Hamid Malekzadeh, MD; Yusuf Surucu, MD; Asim Ejaz, PhD; J. Peter Rubin, MD, MBA
11:00 AM - 11:05 AM	The Business of Pediatric Plastic Surgery: An Institutional Perspective of Pediatric Plastic Surgery Divisions in the United States <u>Joseph W. Mocharnuk, BA</u> ; Elizabeth Moroni, MD, MHA; J. Peter Rubin, MD, MBA; Joseph E. Losee, MD
11:05 AM - 11:10 AM	Proximity to Colonoscopy Suite and Risk Factors for Atypical Periprosthetic Breast Implant Infections <u>Xiao Zhu, MD</u> ; Vu Nguyen, MD; Michael Gimbel, MD; Brodie Parent, MD, MPH
11:10 AM - 11:25 AM	Discussion
11:25 AM - 11:30 AM	An Initial Demonstration of Mixed Reality-Guided Percutaneous Screw Placement in Mandible Angle Fractures <u>Nicolás M. Kass</u> ; Pooja Humar, BS; Kelly Daniels, MD; Anthony Tang; Malke Asaad, MD; Mario Solari, MD
11:30 AM - 11:35 AM	Professionalism on Social Media in Plastic Surgery <u>Nicole Eregha, BA</u> ; Yadira Villalvazo, MD, MS; Alexandra Vagonis, BA; Carolyn De La Cruz MD, MS
11:35 AM - 11:40 AM	A Review of Private Insurance Policies: Coverage of Fat Grafting for Breast and Head & Neck Reconstruction <u>Yusuf Surucu, MD</u> ; Pooja Humar, BS; Elizabeth A. Moroni, MD, MHA; Rakan Saadoun, MD; M. Saad Hafeez, MD; Yadira Villalvazo, MD, MS; Jeffrey H. Kozlow, MD; J. Peter Rubin, MD, MBA

11:40 AM - 11:45 AM	<p>Are We Speaking the Same 'Language' Regarding Groups "Underrepresented in Medicine" (URiM) in Plastic Surgery?</p> <p><u>Nerone K.O. Douglas, MSc</u>; Francesco Egro, MBChB, MSc, MRCS</p>
11:45 AM - 12:00 PM	Discussion
12:00 PM - 1:00 PM	<p>Lunch and Presentation</p> <p>Visiting Professor - Second Lecture</p> <p>Kevin C. Chung, MD, MS Charles B. G. De Nancrede Professor of Surgery, Plastic Surgery and Orthopaedic Surgery University of Michigan</p> <p><i>"How to Articulate an Impactful Study Question"</i></p>
1:00 PM - 2:25 PM	Session III - Clinical Research II Presentations (Moderators: Alexander Davit, MD and Teun Teunis, MD, PhD)
1:00 PM - 1:05 PM	<p>Reanalysis of A Randomized Controlled Trial of The Effect of Vitamin C on Finger Stiffness After Distal Radius Fracture Using a Bayesian Design</p> <p><u>Arash Samadi MD</u>; Teun Teunis MD, PhD</p>
1:05 PM - 1:10 PM	<p>Correlations of Psychiatric Comorbidities with Body Image and Maintenance of Weight Loss Following Body Contouring Procedures</p> <p><u>Alex Comerci, BA</u>; Joseph W. Mocharnuk, BA; Anne E. Glenney, BA; Pooja Humar, BS; J. Peter Rubin, MD, MBA; Jeffrey A. Gusenoff, MD</p>
1:10 PM - 1:15 PM	<p>Third or Fourth Ray Amputation with Osteotomy and Intramedullary Nail Fixation: A Novel Approach</p> <p><u>Xavier Candela, MD, MBA, MEd</u>; Teun Teunis MD, PhD</p>
1:15 PM - 1:20 PM	<p>Contemporary Characterization of the use of Perineal Reconstruction following Proctectomy in Rectal Cancer: A National Surgical Quality Improvement Program Analysis</p> <p><u>Philip J Wasicek, MD</u></p>
1:20 PM - 1:25 PM	<p>Metastatic Intestinal Neuroendocrine Tumor Presenting as Upper Extremity Compartment Syndrome</p> <p><u>Shirley Liu, MD</u>; Rafael Diaz-Garcia, MD</p>
1:25 PM - 1:40 PM	Discussion
1:40 PM - 1:45 PM	<p>Development of a 3D Freeze-Micromilling Process for the Fabrication of Cartilage Implants in Complex Anatomic Shapes</p> <p><u>Liliana Camison, MD</u>; Lucas A. Dvoracek, MD; Toygun Cetinkaya, BS, PhD Candidate; Phil Campbell, PhD; Burak Ozdoganlar, PhD; Jesse A. Goldstein, MD.</p>

1:45 PM – 1:50 PM	Violence-Related Pediatric Hand Trauma: Epidemiology, Injury Patterns, and Risk Factors <u>Meeti Mehta, BS</u> ; Anne Glenney, BA; Brodie Parent, MD, MPH; Alexander J. Davit, MD
1:50 PM – 1:55 PM	Characterizing Factors Associated with Interfacility Transfer for the Management of Pediatric Hand Trauma Darya Fadavi, MD; Anne E. Glenney, BA; Meeti Mehta, BS; Zainab Balogun, MS; Xenab Ahmadpoor, BS; <u>Vivian Wang, BS</u> ; Shirley Liu, BA; Lucille G. Cheng, BA; Alexander Davit, MD
1:55 PM – 2:00 PM	Epidemiologic Features and Predictors of Violent Pediatric Craniofacial Fracture Patterns and Outcomes <u>Janina Kueper, MD</u> ; Anne Glenney, BS; Fuat Baris Bengur, MD; Zhazira Iregbay, BS; Joseph Losee, MD; Jesse Goldstein, MD
2:00 PM – 2:05 PM	Outcomes of Microvascular Head and Neck Reconstruction in Solid Organ Transplant Patients <u>Hakan Orbay, MD, PhD</u> ; Fuat Baris Bengur, MD; Matthew T. Bottegal, BS; Mario G. Solari, MD
2:05 PM – 2:10 PM	Virtual Surgical Planning in Free Fibula Reconstruction of the Mandible: Comparison of Long-Term Outcomes with the Conventional Technique <u>Fuat Baris Bengur, MD</u> ; Pooja Humar, BS; Rakan Saadoun, MD; Nayel Khan, MD; Erin Anstadt, MD; Sophia Dang, MD; Neil Fadia, BS; Elizabeth A. Moroni, MD, MHA; Matthew T. Bottegal, BS; Tahsin Oguz Acarturk, MD; Shaum Sridharan, MD; Mark Kubik, MD; Mario G. Solari, MD
2:10 PM – 2:25 PM	Discussion
2:25 PM – 2:45 PM	Break/Vendor Exhibits
2:45 PM – 3:30 PM	Session IV – Basic Science Presentations (Moderator: Lauren Kokai, PhD)
2:45 PM – 2:50 PM	A Novel Model for Trilaminar Skin Reconstruction Following Full-Thickness Burn Injury <u>Yadira Villalvazo, MD, MS</u> ; Pooja Humar, BS; Fuat Baris Bengur, MD; Shawn J. Loder, MD; Wayne V. Nerone, BS; Alexandra Vagonis, BS; Bahaa Shaaban, MD, MS, MA; Lauren E. Kokai, PhD; Kacey G. Marra, PhD; Elof Eriksson, MD, PhD; J. Peter Rubin, MD, MBA
2:50 PM – 2:55 PM	Inactive Vit D3 (Cholecalciferol) Increases Fat Graft Revascularization and in Vivo Retention in Preclinical Models <u>Amr Elmeanawy, MD, MS</u> ; Bahaa Shaaban, MD, MCh, MS, MA; Shawn Loder, MD; Alexandra Vagonis, BS; Phoebe Lee, BS; Baris Bengur, MD; Yadira Villalvazo, MD, MS; Pooja Humar, BS; Yusuf Surucu, MD; Rachel Ricketts, BS; Divya Ramkumar, BS;

	Charles Amurgis, BSE; W. Vincent Nerone, BA; Jose Antonio Arellano, MD; Hamid Malekzadeh, MD; Peter J. Rubin, MD, MBA; Lauren E. Kokai, PhD
2:55 PM – 3:00 PM	Establishment of an Ex Vivo Human Skin Perfusion Platform for Tumor Modeling <u>Hamid Malekzadeh, MD</u> ; José Antonio Arellano, MD; Yusuf Surucu, MD; W. Vincent Nerone, BA; Katherine S. Yang, BS; Alexey V. Altman; Rakibul Islam; Zayaan Trimzi; Fuat Baris Bengur, MD; Shawn Loder, MD; Jeffrey A. Gusenoff, MD; Francesco Egro, MBChB, MSc, MRCS; Asim Ejaz, PhD
3:00 PM – 3:05 PM	Topical Spironolactone Promotes Epithelialization in Full-Thickness Wounds <u>Pooja Humar, BS</u> ; Yadira Villalvazo, MD, MS; Fuat Baris Bengur, MD; Shawn Loder, MD; Wayne V. Nerone, BS; Thomas Mitts, MD; Aleksander Hinek, PhD; J Peter Rubin, MD, MBA
3:05 PM – 3:10 PM	Enhancing Nerve Regeneration with NeuraMax Nerve Conduit: The Synergistic Partnership of Plastic Surgeons and Translational Scientists <u>Dzana Katana, PhD</u> ; Kacey G. Marra, PhD
3:10 PM – 3:15 PM	Murine Modeling of Persistent Polymicrobial Biofilm in Diabetic Wounds <u>Alexandra Vagonis, BA</u> ; Bahaa Shaaban, MD, MS; Shawn Loder, MD; W. Vincent Nerone, BS; Divya Ramkumar, BS; Amr Elmeanawy, MD; Alaa Ghonaim, MD; Rachel Ricketts, BS; Dawn Wang, MD, MS; J. Peter Rubin, MD, MBA; Lauren Kokai, PhD
3:15 PM – 3:30 PM	Discussion
3:30 PM – 3:45 PM	Concluding Remarks (J. Peter Rubin, MD, MBA)
3:45 PM	Adjournment
3:45 PM – 5:30 PM	Rooftop Reception and Award Presentations

Description of Awards

Best Clinical Research Presentation – (one award in each of two clinical research sessions)

Awarded to the best oral presentation of a clinical abstract based on the assessment made by the Visiting Professor. Selection criteria include innovation, quality of approach, application to practice, and quality of presentation.

Best Basic Science Presentation

Awarded to the best oral presentation of a basic science abstract based on the assessment made by the Visiting Professor. Selection criteria include experimental design, significance of results, innovation, and quality of presentation.

Best Education, Quality and Innovation Presentation

Awarded to the best oral presentation of a quality/education abstract based on the assessment made by the Visiting Professor. Selection criteria include innovation, quality of approach, application to practice, and quality of presentation.

Faculty Disclosures

All individuals in a position to control the content of this education activity have disclosed all financial relationships with any companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients. All of the relevant financial relationships for the individuals listed below have been mitigated.

Ashley, Amalfi, MD	Consultant: Revelle Aesthetics Mentor
Elof Eriksson, MD	Stockholder: Applied Tissue Technologies
Kacey G. Marra, PhD	Receives Grant/Research support: DOD/Grant # W81XWH-21-1-0480
Kacey G. Marra, PhD	Stockholder/CEO: Nerve Repair Technologies
Jesse Taylor, MD	Stockholder: Ostio, LLC
Jordan Swanson, MD	Consultant: DePuy Synthesis
Ross Whitaker, MD	Consultant: 3DIO Inc.
Ernest Manders, MD	Stockholder/Founder: Promethean Lifesciences, Inc.

No other members of the planning committee, speakers, presenters, authors, content reviewers and/or anyone else in a position to control the content of this education activity have relevant financial relationships with any companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.

**We gratefully acknowledge support from
the following for this activity:**

Exhibitors:
Acera Surgical Inc.
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KLS Martin
Mentor Worldwide, LLC.
MTF Biologics
RTI Surgical

