



22nd Annual Department of Plastic Surgery Research Day

Friday, June 27, 2025

University of Pittsburgh
Petersen Events Center
GBU Life Campus View Room
3719 Terrace Street
Pittsburgh, PA 15261



7:00 AM – 7:30 AM	Breakfast
7:30 AM – 7:45 AM	Introduction and Opening Remarks – Dr. J. Peter Rubin
7:45 AM – 8:45 AM	Amanda Gosman, MD <i>Visiting Professor</i> Professor and Chief of Plastic Surgery Director of Craniofacial and Pediatric Plastic Surgery Residency and Craniofacial Fellowship Program Director UC San Diego School of Medicine Chief of Plastic Surgery, Childrens' Specialists of San Diego "Research and Sustainable Capacity Building in Global Plastic Surgery"
8:45 AM – 9:00 AM	Break/Vendor Exhibits
9:00 AM – 10:30 AM	Session I – Clinical Research I Presentations Moderator: Dr. Carolyn De La Cruz
10:30 AM – 10:45 AM	Break/Vendor Exhibits
10:45 AM – 12:00 PM	Session II – Education, Quality and Innovation Presentations Moderator: Dr. Francesco Egro
12:00 PM – 1:00 PM	Amanda Gosman, MD <i>Visiting Professor</i> "The Crucial Role of Quality of Life in Craniofacial Surgery Patients"
1:00 PM – 2:30 PM	Session III – Clinical Research II Presentations Moderators: Dr. Brodie Parent
2:30 PM – 2:45 PM	Break/Vendor Exhibits
2:45 PM – 3:35 PM	Session IV – Basic Science Presentations Moderator: Dr. Jeffrey Gusenoff
3:35 PM – 3:45 PM	Concluding Remarks – Dr. Jesse Goldstein and Dr. Kacey Marra
3:45 PM – 5:45 PM	Reception and Award Presentations

Course Directors:

Jesse A. Goldstein, MD
Endowed Chair for Pediatric Plastic Surgery Research
Chief, Division of Pediatric Plastic Surgery
Program Director, Children's Hospital of Pittsburgh/UPMC
Pediatric Plastic and Craniofacial Surgery Fellowship
Clinical Director, Cleft-Craniofacial Center
Associate Program Director, Plastic Surgery Residency Program
Director, CranioLab
Professor, Department of Plastic Surgery
Children's Hospital of Pittsburgh
University of Pittsburgh Medical Center
University of Pittsburgh, Pittsburgh, PA

Kacey G. Marra, PhD, FTERM
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 7.5 AMA PRA Category 1 Credit[s]™. Physicians should claim only the credit commensurate with the extent of their participation in the activity

Other Healthcare Professionals: 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:

Dept of Plastic Surgery Annual Research Day | UPMC - Center for Continuing Education in the Health Sciences

Visiting Professor and Keynote Speaker

Amanda A. Gosman, MD

Professor and Chief of Plastic Surgery
Director of Craniofacial and Pediatric Plastic Surgery
Residency and Craniofacial Fellowship Program Director
UC San Diego School of Medicine
Chief of Plastic Surgery, Childrens' Specialists of San Diego



Dr. Gosman is Professor and Chief of the Division of Plastic Surgery at UC San Diego School of Medicine. She serves as Director for the Plastic Surgery Residency Program and Director of the Craniofacial and Pediatric Plastic Surgery Fellowship Program. She is Chief of Plastic Surgery at Rady Children's Hospital and Director of the Fresh Start Clinic for Craniofacial Anomalies at Rady Children's Hospital. As a board-certified plastic surgeon, Dr. Gosman's clinical interests include cleft lip and palate surgery, pediatric and adult craniofacial surgery, gender-affirming surgery and aesthetic surgery.

Dr. Gosman has extensive experience providing health care and education to low resource communities around the world and is the founder of the non-profit organization, ConnectMed International, which helps improve access and supports sustainable healthcare through education, partnerships, and research. She is also the co-founder of the SHARE (Surgeons in Humanitarian Alliance for Reconstruction, Research, and Education) program through the Plastic Surgery Foundation which is a two-year clinical and research fellowship program for surgeons in low-income countries.

Dr. Gosman is an internationally recognized expert in Craniofacial and Pediatric Plastic Surgery and has over 100 peer reviewed publications. She has served in numerous national plastic surgery leadership roles including Chair of the American Society of Plastic Surgeons (ASPS) Ethics Committee and Judicial Council, and Co-Editor of the Plastic and Reconstructive Surgery-Global Open Journal.

**University of Pittsburgh Department of Plastic
Surgery Primary Faculty:**

T. Oguz Acartürk, MD
Clinical Associate Professor

Elizabeth A. Bailey, MD, MSHP, MEd
Assistant Professor

Dana E. Bregman, MD
Assistant Professor

Michael R. Bykowski, MD, MS
Assistant Professor

Liliana Camison, MD
Assistant Professor

Alexander J. Davit III, MD
Associate Professor and Vice Chief,
Division of Pediatric Plastic Surgery

Carolyn De La Cruz, MD
Associate Professor and Vice Chair of Professional
Development and Mentorship

Francesco M. Egro, MBChB, MSc, MRCS
Associate Professor
Chief of Plastic Surgery at UPMC Mercy

Asim Ejaz, PhD
Assistant Professor

Jesse A. Goldstein, MD
Professor
Endowed Chair for Pediatric Plastic Surgery Research

Gayle M. Gordillo, MD
Professor
Senior Medical Director of UPMC Wound Services

Jeffrey A. Gusenoff, MD
Professor
Director, Foot Fat Grafting Institute

Isaac B. James, MD, MS
Assistant Professor and Director of the UPMC North
Hills Aesthetic Plastic Surgery Center

Nicole J. Jarrett, MD
Assistant Professor
Chief, Division of Hand Surgery

Justine Kim, MD
Assistant Professor

Joseph E. Losee, MD, MBA
Professor and Executive Vice Chair
Dr. Ross H. Musgrave Endowed Chair of Pediatric
Plastic Surgery

Ernest K. Manders, MD
Professor Emeritus

Kacey G. Marra, PhD
Professor
Vice Chair of Research

Andrea A. Moreira, MD
Associate Professor
Chief of Plastic Surgery at Magee Women's Hospital

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

Brodie A. Parent, MD, MS
Assistant Professor and Chief of Surgery at Passavant
and St. Margaret's Hospitals

J. Peter Rubin, MD, MBA
UPMC Endowed Professor and Chair of
Plastic Surgery

Lindsay Schuster, DMD, MS
Associate Professor

Mario G. Solari, MD
Assistant Professor
Vice Chair of Clinical Operations

Guy M. Stofman, MD
Clinical Professor

Teun Teunis, MD, PhD
Assistant Professor

Dawn J. Wang, MD, MS
Assistant Professor

Jason J. Yoo, MD
Assistant Professor



22nd Annual Department of Plastic Surgery Research Day

Friday, June 27, 2025

University of Pittsburgh
Petersen Events Center
GBU Life Campus View Room
3719 Terrace Street
Pittsburgh, PA 15261

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.

Friday, June 27, 2025	
7:00 AM – 7:30 AM	Breakfast
7:30 AM – 7:45 AM	Introduction and Opening Remarks – J. Peter Rubin, MD, MBA
7:45 AM – 8:45 AM	“Research and Sustainable Capacity Building in Global Plastic Surgery” Amanda Gosman, MD <i>Visiting Professor</i> Professor and Chief of Plastic Surgery Director of Craniofacial and Pediatric Plastic Surgery Residency and Craniofacial Fellowship Program Director UC San Diego School of Medicine Chief of Plastic Surgery, Childrens’ Specialists of San Diego
8:45 AM – 9:00 AM	Break/Vendor Exhibits
9:00 AM – 10:30 AM	Session I – Clinical Research I Presentations <i>Moderator: Dr. Carolyn De La Cruz</i>
9:05 AM – 9:10 AM	From Flow to Stasis: Radiation’s Impact on Lymphatics and Seroma Development <u>Meeti Mehta, BS</u> ; Shayan M. Sarrami, MD; Korrina Gidwani, BS; Michael Mazarei, BA; Carolyn De La Cruz, MD
9:10 AM – 9:15 AM	Barriers to Care for Children with Orofacial Clefts at University of Pittsburgh Medical Center Children’s Hospital of Pittsburgh <u>David L. Kornmehl, DMD</u> ; George Yacoub, BDS, DMD; Noor Allaqawi, DDS, MS; Oscar Arevalo, DDS, MS; Lindsay A. Schuster, DMD, MS
9:15 AM – 9:20 AM	The Role of Polysomnography in Surgical Airway Management for Pierre Robin Sequence: Practices and Clinical Implications <u>Mary Wilding, BS</u> ; Viraj Govani, BA; Janina Kueper, MD; Aileen Cui, BS; Tobi Somorin, BS; Ashley Rogers, MD; Rachel Whelan, MD; Jesse A. Goldstein, MD
9:20 AM – 9:25 AM	Neurocognitive and Psychiatric Outcomes in Pediatric Craniosynostosis: Insights for Plastic Surgery from a Retrospective Risk Analysis <u>Viraj Govani, BA</u> ; Mary Wilding, BS; Janina Kueper, MD; Aileen Cui, BS; Tobi Somorin, BS; Siri Ravuri, BS; Ashley Rogers, MD; Jesse A. Goldstein, MD
9:25 AM – 9:30 AM	Psychosocial Drivers of Treatment Goals in Adults with Cleft Conditions <u>Ethan Richlak, BS</u> ; Avery Pope, BS; Hailey Umbaugh, BS; Tobi Somorin, BS; Matt Ford, MS, CCC-SLP; Canice E. Crerand, PhD; Jesse A. Goldstein, MD

9:30 AM – 9:45 AM	Discussion
9:45 AM – 9:50 AM	Demographic and Clinical Predictors of Suspected Abuse in Genital Burn Injuries: A National Database Study <u>Hakan Orbay, MD, PhD</u> ; Hilary Y. Liu, BS; Mare G. Kaulakis, BS; Christopher J. Fedor, MSc; José Antonio Arellano, MD; Rebecca Hohsfield, MS; Paul Rusilko, DO; Garth Elias, MD; Alain C. Corcos, MD; Jenny A. Ziembicki, MD; Francesco M. Egro, MBChB, MSc, MRCS
9:50 AM – 9:55 AM	Preventing Amputation in Frostbite Injuries with Thrombolytic Agents or Iloprost: A Systematic Review and Meta-Analysis <u>Matteo Angelini</u> ; Mahi Pachgade, BS; Hilary Y. Liu, BS; José Antonio Arellano, MD; Asim Ejaz, PhD; Francesco M. Egro, MBChB, MSc, MRCS
9:55 AM – 10:00 AM	Prior Organ Transplant Increases Risk of Wound Infection After Burn Injury: A National Database Study <u>Rebecca Hohsfield, BS</u> ; Hilary Y. Liu, BS; David Orozco, MD; Mare G. Kaulakis, BS; José Antonio Arellano, MD; Christopher J. Fedor, MSc; Garth Elias, MD; Alain Corcos, MD; Jenny Ziembicki, MD; Francesco M. Egro, MBChB, MSc, MRCS
10:00 AM – 10:05 AM	The Impact of Cirrhosis on Burn Patient Outcomes: A National Database Review <u>Joshua S. Yoon, MD</u> ; Hilary Y. Liu, BS; Omar Elfanagely, MD; Francesco M. Egro, MBChB, MSc, MRCS
10:05 AM – 10:10 AM	Patient Reported Outcomes Following Facial Feminization Surgery Destin Groff, MD; Elizabeth Dominguez, MD; Casey Zhang, MD; <u>Tiffany Jeong, BS</u> ; Brodie Parent, MD, MS
10:10 AM – 10:15 AM	Altered Lymphatic Patterns and Truncal Lymphedema After Breast Cancer Treatment: The Axillary-Inguinal Pathway as an Optimal Site for Lymphovenous Anastomosis Meeti Mehta, BS; <u>Michael Mazarei, BA</u> ; Shayan M. Sarrami, MD; Korrina Gidwani, BS; Viraj Govani, BA; Carolyn De La Cruz, MD
10:15 AM – 10:30 AM	Discussion
10:30 AM – 10:45 AM	Break/Vendor Exhibits
10:45 AM – 12:00 PM	Session II – Quality Improvement and Education Presentations <i>Moderator: Dr. Francesco Egro</i>
10:45 AM – 10:50 AM	Streamlining Burn Care – A Comprehensive Algorithm for Lower Extremity Burn Management <u>Mare G. Kaulakis, BS</u> ; Christopher J. Fedor, MSc; Alexis M. Henderson, MPH; Hilary Y. Liu, BS; José A. Arellano, MD; Garth Elias, MD; Guy M. Stofman, MD; Alain C. Corcos, MD; Jenny A. Ziembicki, MD; Francesco M. Egro, MBChB, MSc, MRCS
10:50 AM – 10:55 AM	EDUPlast: A Plastic Surgery Symposium Series for Local Underrepresented Learners <u>Chanel Reid, MD, MS</u> ; Alexis Henderson, MPH; Allison Brophy, BS; Emma Hudson, MA; Nerone Douglas, MD, MSc; Carolyn De La Cruz, MD
10:55 AM – 11:00 AM	Surgical Economic Efficiency: Optimizing RVU Density in Pediatric Plastic Surgery <u>Tobi J. Somorin, BS</u> ; Janina Kueper, MD; Ashley Rogers, MD; Liliana Camison, MD; Michael Bykowski, MD; Alexander Davit III, MD; Joseph E. Losee MD, MBA; Jesse A. Goldstein, MD
11:00 AM – 11:05 AM	Evaluation of Mixed Reality for Burn Margin Visualization and Surgical Planning Christopher J. Fedor, MSc; <u>Griffin J. Hurt, BPhil</u> ; Edward G. Andrews, MD; Jacob Biehl, PhD; Francesco M. Egro, MBChB, MSc, MRCS

11:05 AM – 11:10 AM	Assessing Surgical Skills of Residency Applicants: A Systematic Review <u>Malke Asaad, MD</u> ; Shayan M. Sarrami, MD; Alexander Comerci, MS; Aashish Rajesh, MD; Vu Nguyen, MD
11:10 AM – 11:25 AM	Discussion
11:25 AM – 11:30 AM	The Business of Hand Surgery: A Machine Learning Model for wRVU Prediction and Salary Benchmarking of Hand Surgeons <u>Xavier Candela, MD</u> , MBA, MEd, Joseph W. Mocharnuk, MD, MS, Joseph E. Losee, MD, MBA
11:30 AM – 11:35 AM	Assessing the Landscape of Insurance Policies for Gender Affirming Surgery: A Survey-Based Analysis Viraj Govani, BA; Alexander Comerci, MS; Tobi Somorin, BS; <u>Adaora Okigbo, MS</u> ; Nicolas Kass, MD, MS; Aaliyah Riccardi, MD; Janina Kueper, MD; Ashley Rogers, MD; Jesse Goldstein, MD
11:35 AM – 11:40 AM	Evaluating Large Language Model's Accuracy in Current Procedural Terminology Coding Given Operative Note Templates Across Various Plastic Surgery Subspecialties <u>Mia J. Carrarini, BS</u> ; Hilary Y. Liu, BS; Catherine K. Perez, BS; Francesco M. Egro, MBChB, MSc, MRCS
11:40 AM – 11:45 AM	Equidistant Anastomosis Suture Instrument (EASI): Development of a Novel Device to Facilitate Complex Microsurgical Reconstruction in Any Healthcare Setting <u>Hilary Y. Liu, BS</u> ; Simon Cao, MD; Francesco M. Egro, MBChB, MSc, MRCS
11:45 AM – 12:00 PM	Discussion
12:00 PM – 1:00 PM	Lunch and Presentation “The Crucial Role of Quality of Life in Craniofacial Surgery Patients” Amanda Gosman, MD <i>Visiting Professor</i>
1:00 PM – 2:30 PM	Session III – Clinical Research II Presentations <i>Moderator: Dr. Brodie Parent</i>
1:00 PM – 1:05 PM	Can a Distal Radius Fracture Reduction Simulator Improve Residents’ Fracture Reduction? Elizabeth M. Kenny, MD; <u>Ryan J. Kelly, BS</u> ; Benjamin Leslie, BS; Caroline Lindsey, BS; Teun Teunis, MD, PhD
1:05 PM – 1:10 PM	Bedside Arthrocentesis and Irrigation as Initial Intervention for Septic Wrist <u>Sripadh B. Sharma, MD, PhD</u> ; Teun Teunis, MD, PhD
1:10 PM – 1:15 PM	What Is the Probability of Radial Nerve Recovery After Operated Humerus Fractures Accounting for Time Since Injury? Nienke A. Krijnen, MD; <u>Alexander J. Comerci, MS</u> ; Linden K. Head, MD; Ingmar W. F. Legerstee, MD; Huub H. de Klerk, BS; Neal Chen, MD; Teun Teunis, MD, PhD
1:15 PM – 1:20 PM	Are the Words Patients Use to Describe their Pain After Upper and Lower Extremity Trauma Different Between Patients With and Without Nerve Injuries? Nienke A. Krijnen, MD; Aniekanabasi Ufot, MS; <u>Elou S. Kingma, MD</u> ; Jason Yoo, MD; Nicole Jarrett, MD; Dana Bregman, MD; Teun Teunis MD, PhD
1:20 PM – 1:25 PM	Is There a Difference in Adverse Event Rates and Range of Motion Between Fixation with Nails, Wires and Plates or Screws for Extra-Articular Metacarpal and Phalangeal Fractures? <u>Benjamin E. Leslie, BS</u> ; Nienke A. Krijnen, MD; Ishan S. Patel, BS; Nicolas Aycardi, BS; Nicole Don, BS; John R. Fowler, MD; Teun Teunis, MD, PhD

1:25 PM – 1:30 PM	Complications in Postbariatric Body Contouring Throughout the Seasons <u>Darya Fadavi, MD</u> ; Arash Samadi, MD; Meeti Mehta, BS; Aileen Cui, MS; Adaora Okigbo, BS; Jeffrey A. Gusenoff, MD
1:30 PM – 1:45 PM	Discussion
1:45 PM – 1:50 PM	The Mummy Study: Analyzing the Effect of Concomitant vs Staged Brachioplasty and Thighplasty on Operative Outcomes Alexander J. Commerci, MS; Viraj Govani, BA; <u>Aileen Cui, MS</u> ; Ahmet Demir, MD; Lynn Frydrych, MD; J. Peter Rubin, MD, MBA; Jeffrey A. Gusenoff, MD
1:50 PM – 1:55 PM	Absorbable Antibiotic Bead Prophylaxis for Implant-Based Breast Reconstruction <u>James Fisher, MD, PhD</u> ; Casey Zhang, MD; Hilary Liu, BS; Shirley Liu, MS; Elizabeth Bailey, MD, MSHP, MEd; Carolyn De La Cruz, MD; Francesco M. Egro, MBChB, MSc, MRCS; Michael L. Gimbel, MD; Vu T. Nguyen, MD; Brodie Parent, MD, MS
1:55 PM – 2:00 PM	Demographic and Clinical Predictors of Skin Graft Loss in Burn Injuries: A National Database Study <u>Catherine Perez, BS</u> ; Hilary Y. Liu, BS; Abbas Hassan, MD; Sarah Tepe, DO; Christopher J. Fedor, MSc; Mare G. Kaulakis, BS; Alain C. Corcos, MD; Jenny A. Ziembicki, MD; Matteo Angelini; Francesco M. Egro, MBChB, MSc, MRCS
2:00 PM – 2:05 PM	A 12-Year Analysis of Thermal and Chemical Ocular Burns: Insights into Management and Outcomes from a Single Burn Center Hilary Y. Liu, BS; <u>Benjamin B. Scott, MD</u> ; José Antonio Arellano, MD; Christopher J. Fedor, MSc; Mare G. Kaulakis, BS; Garth Elias, MD; Alain C. Corcos, MD; Jenny A. Ziembicki, MD; Francesco M. Egro, MBChB, MSc, MRCS
2:05 PM – 2:10 PM	Massive Burn Injuries: Global Characteristics and Outcomes from the WHO Global Burn Registry <u>Fuat Baris Bengur, MD</u> ; Daniel Najafali, BS; Hilary Y. Liu, BS; Megan Najafali, MHS; Saeid Rezaei, MD; José Antonio Arellano, MD; Logan G. Galbraith, MD; Mare G. Kaulakis, BS; Erik Reiche, MD; Raman Mehrzad, MD, MHL, MBA; Sameer A. Patel, MD; Quincy K. Tran, MD, PhD; Victor E. Stams, MD; Francesco M. Egro, MBChB, MSc, MRCS
2:10 PM- 2:15 PM	Far Out: Evaluating the Impact of Distance on Acute Burn Outcomes <u>Alexis M. Henderson, MPH</u> ; Hilary Y. Liu, BS; José Antonio Arellano, MD; Christopher J. Fedor, MSc; Mare G. Kaulakis, BS; Garth Elias, MD; Alain C. Corcos, MD; Jenny A. Ziembicki, MD; Francesco M. Egro, MBChB, MSc, MRCS
2:15 PM – 2:30 PM	Discussion
2:30 PM – 2:45 PM	Break/Vendor Exhibits
2:45 PM – 3:35 PM	Session IV – Basic Science Presentations <i>Moderator: Dr. Jeffrey Gusenoff</i>
2:45 PM – 2:50 PM	Evaluating Metformin as a Mitigator of Radiation-Induced Skin Fibrosis: Safety and Efficacy in Breast Cancer Radiotherapy <u>Alexa Rivera del Río Hernández, MD</u> ; Andrea A. Moreira, MD; Naresh Mahajan, PhD; Samantha Bosco, BS; Ethan Banks; Jeffrey A. Gusenoff, MD; Francesco M. Egro, MBChB, MSc, MRCS; J. Peter Rubin, MD, MBA; Asim Ejaz, PhD

2:50 PM – 2:55 PM	Investigating UVB Induced Skin Damage on Human Skin Using an Ex-vivo Perfusion Model <u>Aniekanabasi Ufot, MS</u> ; Naresh Mahajan, PhD; Alexa Rivera del Río Hernández, MD; José Antonio Arellano, MD; Ethan Banks, Samantha Bosco, BS; Jeffrey Gusenoff, MD; J. Peter Rubin, MD, MBA; Francesco M. Egro, MBChB, MSc, MRCS; Asim Ejaz, PhD
2:55 PM – 3:00 PM	Comparative Evaluation of Biomaterial Wraps for Peripheral Nerve Regeneration in a Sciatic Nerve Transection Model <u>Dzana Katana, PhD</u> ; Daiki Kitano, MD, PhD; Yusuf Surucu, MD; Chiaki Komatsu, MD; Vanessa Mroueh, MD; Alex Madanat; Om Yadam; Kevin Yang; Kacey G. Marra, PhD
3:00 PM – 3:05 PM	Establishing a Rat Inguinal Lymph Node Transfer Model for Induction of Lymphatic Channels in Peripheral Nerves <u>Daiki Kitano MD, PhD</u> ; Shayan M. Sarrami, MD; Chanel Reid, MD, MS; Chiaki Komatsu, MD; Fuat Baris Bengur, MD; Michael Mazarei, BA; Kacey G. Marra PhD; Carolyn De La Cruz, MD
3:05 PM – 3:10 PM	Mechanistic Insights into Nitrogen Mustard-Induced Injury in Ex Vivo Human Skin Using RNA Sequencing <u>Naresh Mahajan, PhD</u> ; Alexa Rivera del Río Hernández, MD; Aniekanabasi Ufot, MS; José Antonio Arellano, MD; Ethan Banks; Samantha Bosco, BS; Jeffrey Gusenoff, MD; J. Peter Rubin MD, MBA; Francesco M. Egro, MBChB, MSc, MRCS; Asim Ejaz PhD.
3:10 PM – 3:15 PM	Enhancement of Wound Healing Via Adipose-Derived Stem Cell Exosomes and Collagen in an Ex Vivo Skin Perfusion Model <u>Ethan C. Banks</u> ; Alexa Rivera del Río Hernández, MD; Naresh Mahajan, PhD; José Antonio Arellano, MD; Jeffrey Gusenoff, MD; Francesco M. Egro, MBChB, MSc, MRCS; J. Peter Rubin, MD; Asim Ejaz, PhD
3:15 PM – 3:20 PM	Optimization for Clinical Translation of Single-Stage Multilaminar Skin and Subcutaneous Composite Reconstruction Shayan M. Sarrami, MD; <u>Shawn J. Loder, MD</u> ; José Antonio Arellano, MD; Vanessa Mroueh, MD; Samantha Bosco, BS; Francesco M. Egro, MBChB, MSc, MRCS; Kacey Marra, PhD; J. Peter Rubin, MD, MBA
3:20 PM – 3:35 PM	Discussion
3:35 PM – 3:45 PM	Concluding Remarks and Adjournment
3:45 PM – 5:45 PM	Reception and Award Presentations

View all abstracts here:

2025 Research Day Abstracts



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 QI and Education 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.

**We gratefully acknowledge and thank the
following for their support:**

Acumed
Allergan Aesthetics
BD
Evergen
DePuy Synthes CMF
Integra LifeSciences
Kerecis
KLS Martin
Medartis
Mentor Worldwide
Motiva by Establishment Labs
MTF Biologics
Olympus America Inc.
PolyNovo
Smith + Nephew

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.

Dana Bregman	Consultant: Balmoral Medical LLC
Neal Chen	Stock Options: index funds/ETF ownership Other: Royalties Biedermann Motech, patent pending for AI algorithms
Gayle Gordillo	Stockholder (Privately Held): Med Compliance LLC Consultant: Vertex Pharmaceuticals
Nienke Krijnen	Grant/Research Support: Travel Grant Acumed, Travel Grant ASPN (American Society for Peripheral Nerve)
Kacey Marra	Grant/Research Support: Grant Smith + Nephew
Ernest Manders	Stockholder: Promethean LifeSciences Inc., Corps of Discovery Ventures LLC, and Undaunted Bio, Inc.
Andrea Moreira	Consultant: Axogen; Consultant: RTI
Paul Rusilko	Consultant: Boston Scientific; Speakers Bureau: Boston Scientific; Proctors and Lectures
Teun Teunis	Consultant: PreScouter (2023), LEK (2024); Grant/Research Support: Grant Integra (PI, terminated 2024), Research support Mosher Medical
Jason Yoo	Other: Skeletal Dynamics: travel and lodging support for educational workshop

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.

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.