17th Annual Meeting

June 20-21, 2019
Apella | Alexandria Center for Life Sciences
New York City

Presented by:

PETER SHEEHAN DIABETES CARE FOUNDATION
WoundHSI Committee

Program Founder
Peter Sheehan, MD

Program Committee

Co-Chairs

Ira M. Herman, PhD  
Tufts University School of Medicine

Bijan Najafi, PhD  
Baylor College of Medicine

Lee C. Rogers, DPM  
Managing Partner, Amputation Prevention Experts (APEx) Health Network

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Rhodes and Associates, Inc.

Paulita Laplante, PhD  
CEO, RXLeasing Partners

Stephanie C. Wu, DPM  
Rosalind Franklin University of Medicine and Science

Brian D. Lepow, DPM  
Baylor College of Medicine

Nadège Sheehan, PhD  
Peter Sheehan Diabetes Care Foundation, Inc.

Miguel Montero-Baker, MD  
Baylor College of Medicine
THURSDAY, 20 JUNE 2019

8:00 am - Breakfast and Registration
9:00 am - Opening Day Remarks

9:10 – 10:30am  REGENERATIVE MEDICINE & NOVEL THERAPIES
Moderator: Ira Herman, PhD - Professor and Director, Cellular, Molecular and Developmental Biology, Tufts University School of Medicine

Novel Role of Immune Cells in Tissue Regeneration in Diabetic Wounds
Sashwati Roy, PhD - Professor of Surgery, Indiana University School of Medicine

New Model for Transplanting Human Keloids onto SCID Pigs
Adam J. Singer, MD - Professor and Vice Chairman for Research, Emergency Medicine Physician, Stony Brook University

Macrophages in Wound Healing: Mechanisms and Biomarkers
Kara Spiller, PhD - Associate Professor, School of Biomedical Engineering, Science and Health Systems, Drexel University

Characterization of Dehydrated Amnion Chorion Membranes and in Vivo and in Vitro Evaluation
JP McQuilling, PhD - Research and Development Manager, Organogenesis, Inc.

10:30am – Q&A
11:00am – Networking Break

11:30am–12:30pm  PANEL DISCUSSION: THE FUTURE OF WOUND CARE DELIVERY
Moderator: Lee C. Rogers, DPM - Managing Partner, Amputation Prevention Experts (APEx) Health Network

Steve Mc Laughlin - Chief Executive Officer, RestorixHealth, Inc.
Kevin Lamb - Principal Chief Executive Officer, Medical Expectations

12:30pm – Networking Lunch
THURSDAY, 20 JUNE 2019

1:30pm – 3:00pm  NOVEL BIOMARKERS & DIAGNOSTICS
Moderator: Ira Herman, PhD - Professor and Director, Cellular, Molecular and Developmental Biology, Tufts University School of Medicine

RAGE and DIAPH1 – Key Target in Diabetic Wound Healing and Complications
Ann-Marie Schmidt, MD - Dr. Iven Young Professor of Endocrinology, Department of Medicine and Department of Biochemistry and Molecular Pharmacology, NYU Langone Health

Identification and Follow-up of the at Risk Diabetic Foot: The Role of Quantitative Sudomotor Testing
Marie-Laure Névoret, MD - Medical Director US, Impeto Medical Inc.

Smart Textiles to Improve Offloading and Adherence in Diabetic Foot Ulceration
Jayer Chung, MD - Vascular Surgeon - Assistant Professor of Biology, Baylor College of Medicine

Current Gaps and Opportunities in Leveraging Technologies to Improve Management of Diabetic Foot
Bijan Najafi, PhD - Professor of Surgery, Director of Interdisciplinary Consortium on Advanced Motion Performance (iCAMP), Baylor College of Medicine

3:00pm – Q&A
3:30pm – Networking Break

4:00pm – 5:00pm  PANEL DISCUSSION: GROW YOUR INNOVATION THROUGH PARTNERSHIPS
Moderator: Derek Brand, Chief Operating Officer, NewYorkBIO

Ibraheem Badejo, PhD – Senior Director, New Ventures, Johnson & Johnson Innovation
Eric Soller, PhD. -  Head of Strategy & External Innovation, BlueRock Therapeutics
Raeka Aiyar, PhD. -  Senior Director of Scientific Outreach, New York Stem Cell Foundation, Inc.

5:00pm – Closing Day Remarks
5:15 – 6:30pm – Networking Reception
FRIDAY, 21 JUNE 2019

MORNING

8:00 am - Breakfast and Registration
9:00 am - Opening Day Remarks

9:10am –10:00am – PETER SHEEHAN YOUNG INNOVATOR AWARD
Sponsored by INTEGRA FOUNDATION

Moderator: Ira Herman, PhD, Professor and Director, Cellular, Molecular and Developmental Biology, Tufts University School of Medicine

Platform Presentation by Finalists
Finalists details and Presentation titles will be announced on June 20 (pm), following jury deliberation

10:00am – 10:40am  REGENERATIVE MEDICINE & NOVEL THERAPIES
Moderator: Stephanie C. Wu, DPM - Center for Stem Cell and Regenerative Medicine, Rosalind Franklin University of Medicine and Science

Pre-Clinical Assessment of an ADVANCE Temporary Abdominal Closure System
Kris Kieswetter, PhD - Senior Director, Research and Innovation, Acelity, Inc.

Innovation in Wound Healing: Towards Developing ‘Next Generation’ Diagnostics and Therapeutics for Advanced Personalized Care
Ira Herman, PhD - Professor and Director, Cellular, Molecular and Developmental Biology, Tufts University School of Medicine

10:40am – Q&A
11:00am – Networking Break

11:30am–12:30pm  PANEL DISCUSSION: CHALLENGES AND OPPORTUNITIES WITH REGULATION AND POLICY IN THE WOUND INDUSTRY
Moderator: Lee C. Rogers, DPM - Managing Partner, Amputation Prevention Experts (APEX) Health Network

Amy L. Law - Vice-President, Global Health Economics, Reimbursement and Government Affairs, Acelity, Inc.
Marcia Nusgart, R.Ph. - Executive Director, Alliance of Wound Care Stakeholders

12:30pm – Networking Lunch
FRIDAY, 21 JUNE 2019

AFTERNOON

1:30 - 2:30pm – **LIVE TECHNOLOGY DEMONSTRATIONS**
**Moderator: Stephanie C. Wu, DPM** - Center for Stem Cell and Regenerative Medicine, Rosalind Franklin University of Medicine and Science

Innovation from KCI: **DERMATACTM Drape** by KCI, Inc.
**SUDOSCAN** by SudoScan, Inc./Impeto Medical, Inc.

2:30pm – **Networking Break**

3:00 – 4:00pm – **ADVANCED WOUND MANAGEMENT**
**Moderator: Jayer, Chung, MD** - Vascular Surgeon, Baylor Clinic

Considerations for the Role of Tissue Biopsy in Chronic Wounds
**Bryan Markinson, DPM** - Chief, Podiatric Medicine and Surgery, Mount Sinai School of Medicine

Emerging technology in assessing tissue perfusion clinically in wound healing
**Alisha Oropallo, MD, FACS,** Director, Comprehensive Wound Healing Center and Hyperbarics
Vascular Surgery, Northwell Health and Associate Professor, Zucker Hofstra University School of Medicine

The Benefit of “Powered Debridement” in the Wound Care Environment
**John Lantis, MD,** Vascular Surgeon, Chief, Vascular & Endovascular Surgery, Mount Sinai St Luke’s

4:00pm – **Q&A**

4:20pm – **Closing Remarks**

4:30pm – 4:45pm – **PETER SHEEHAN YOUNG INNOVATORS AWARD**
**Moderator – Moderator: Ira Herman, PhD** - Professor and Director, Cellular, Molecular and Developmental Biology, Tuft University School of Medicine

4:30pm – **Award Celebrations**
Winner, First runner-up, Second runner-up

4:45pm – **Conference concludes**
Ira M. Herman, PhD
Professor and Director
Program in Cellular, Molecular and Developmental Biology
Center for Innovations in Wound Healing Research
Tufts University School of Medicine

Ira Herman is tenured professor and director, Center for Innovations in Wound Healing Research, Tufts University School of Medicine. He is director, Cell Molecular and Developmental Biology Program, Sackler School of Graduate Biomedical Sciences, Tufts University School of Medicine, where he has received the Distinguished Faculty Award. Throughout his professional career, and since the time of his graduate and post-graduate studies at Tulane University, Harvard University and Johns Hopkins University School of Medicine, professor Herman’s research interests have been focused on revealing the mechanisms controlling cellular and tissue responses to injury and tissue regeneration, including the vascular remodeling and angiogenesis of wound healing. These basic studies have given rise to several fundamental insights and a deepened understanding of many physiologic and pathologic processes, including the molecular mechanisms regulating the cellular responses to injury and tissue repair. Furthermore, several of these discoveries have fostered the development of novel technologies for therapeutics and device development, which are described in several issued and pending US and international patents and focus on the promotion of wound healing, scar-less healing, inhibition of ocular or tumor-induced angiogenesis, the etiology of essential hypertension and the abrogation of cancer cell invasion.

During his three-decade tenure at Tufts University, professor Herman has published scores of scholarly reviews and book chapters, and over 80 primary research papers.
Sashwati Roy, PhD
Professor of Surgery
Director, Clinical Research IUH Comprehensive Wound Center (CWC)
Indiana Center for Regenerative Medicine and Engineering (ICRME)
Indiana University School of Medicine

Sashwati Roy is a Professor of Surgery and Director of Clinical Research at IUH Comprehensive Wound Center. She is an expert in inflammation and macrophage biology in chronic wounds. She did her PhD from the University of Kuopio, Finland, and post-doc from the University of California, Berkeley. Her research interests include wound inflammation, mechanisms of resolution of diabetic wound infection, tissue repair, and cellular plasticity. Her laboratory recently highlighted immune cell plasticity in wound repair, published in Nature Communication in March 2018.

Dr. Roy has over 225 peer review publications. Her work has been cited over 18000 times. Dr. Roy’s research program is funded by the National Institute of Health and Department of Defense. She is a permanent member of the NIH surgery Anesthesia Trauma study section. In addition, she routinely serves as a reviewer for multiple other NIH, VA study sections, International grant review panels as well as for prestigious journals. After serving as committee chairs, secretary, and executive board member at the national Wound Healing Society, she now is serving as the President.

Adam J Singer, MD
Emergency Medicine Physician in Stony Brook
Professor and Vice Chairman for Research
Department of Emergency Medicine
Stony Brook University

Adam Singer is Emergency Medicine Physician in Stony Brook. His main areas of research include cutaneous wound healing, burns, tissue adhesives, pain management, and cardiovascular disease. Dr. Singer has over 400 publications, including several in the New England Journal of Medicine and JAMA. He is the Editor-in-Chief of Clinical and Experimental Emergency Medicine. He is also on multiple editorial boards and is a reviewer for multiple journals within emergency medicine and other specialties. Dr. Singer has held multiple leadership positions and was a past Secretary Treasurer of the Society for Academic Emergency Medicine and is a member of multiple committees in ACEP and the AHA. Dr. Singer has won several national awards, including the American College of Emergency Physicians Outstanding Contribution in Research Award and the Society for Academic Emergency Medicine’s Junior Investigator Award. Dr. Singer has received several million dollars in extramural support from the NIH, BARDA, DOD, and Office of Naval Research as well as from industry. He has authored several textbooks including Emergency Medicine Pearls, Lacerations and Acute Wounds: An Evidence-Based Guide, and Skin and Soft Tissue Injuries and Infections: A Practical Evidence Based Guide.
Kara L. Spiller, PhD
Associate Professor
School of Biomedical Engineering, Science and Health Systems
Drexel University

Kara Spiller is an Associate Professor in Drexel University's School of Biomedical Engineering, Science, and Health Systems. Her research interests include the role of immune cells in tissue regeneration, the design of immunomodulatory biomaterials, and international engineering education. Dr. Spiller’s research is funded by the NIH, the NSF, and private foundations. Her awards include a Fulbright fellowship, the NSF CAREER award, and the United States nomination for the ASPIRE prize.

JP McQuilling, PhD
Research and Development Manager
Organogenesis, Inc.

JP McQuilling has been a part of the Organogenesis research and development team since 2015. Prior to joining Organogenesis, Dr. McQuilling earned a PhD at Wake Forest University at the Wake Forest Institute for Regenerative Medicine and earned a B.S. in Biomedical Engineering from North Carolina State University.
PANEL DISCUSSION
THE FUTURE OF WOUND CARE DELIVERY

MODERATOR

Lee C. Rogers, DPM
Managing Partner
Amputation Prevention Experts (APEx) Health Network

Lee Rogers is managing partner of APEx, previously the medical director of the Amputation Prevention Centers of America, a division of RestorixHealth, Inc. Dr. Rogers is the past chair of the foot care council for the ADA. He received the 2011 Rising Star Award from the American Podiatric Medical Association for outstanding national accomplishments and has been selected by Podiatry Management Magazine as one of the most influential podiatrists in America. Dr. Rogers was selected as Educator of the Year from the California Podiatric Medical Association in 2012 and given the Master’s Award from the American Professional Wound Care Association. Dr. Rogers’s work has been quoted in the Wall Street Journal, the Washington Post, US News & World Report and he’s been a guest on ABC’s The Doctors Show, featured on PBS’s American Medical Journal and Al Jazeera International’s The Cure.

Steve McLaughlin
Chief Executive Officer
RestorixHealth, Inc.

Steve McLaughlin has an extensive background operating multi-site, outpatient healthcare centers and partnering with hospital and long-term care homes to manage care delivery. He has served as the CEO of RestorixHealth, based in White Plains, NY, for the past seven years. Prior to joining RestorixHealth, he has served in senior leadership roles in the areas of sleep medicine, occupational health and urgent care.

Kevin Lamb
Principal Chief Executive Officer
Medical Expectations, Inc.

Kevin Lamb is CEO and Founder of Medical Expectations. With 35 years of experience in the healthcare industry, he is striving to improve the delivery of patient care in the US by creating a better understanding of how serious health conditions are treated. Mr. Lamb is a Hollywood movie producer with credits including the Oscar-nominated ‘Marshall’, who uses his unique sight into filmmaking to create videos to help alleviate the fear of what surgery and recovery may look like. He emphasizes the benefits of consumer-driven healthcare in educating patients on costs.
MODERATOR

Brian D. Lepow, DPM
Assistant Professor of Surgery
Division of Vascular Surgery and Endovascular Therapy
Baylor College of Medicine

Brian Lepow is a board-certified podiatric surgeon, specializing in Diabetic Foot Amputation Prevention and Limb Salvage. He maintains staff privileges at all major medical institutions in the Houston area. Dr. Lepow holds dual academic appointments in the departments of Internal Medicine and Cardiovascular Surgery at McGovern School of Medicine in Houston Texas as well as at the Baylor College of Medicine in the Division of Vascular Surgery and Endovascular Therapy. Dr. Lepow earned his medical degree from Barry University School of Podiatric Medicine in Miami, Florida. He completed his surgical residency training at The Mount Sinai Medical Center in New York, where he served as chief resident in Podiatric Medicine and Surgery. Following completion of his residency program, Dr. Lepow served as Fellow in Diabetic Limb Salvage and Reconstructive Surgery at the University of Arizona. In addition, he held an academic appointment in the department of surgery at the University of Arizona College of Medicine. It was during his fellowship that Dr. Lepow became acutely aware of the need for early diagnosis and formation of aggressive treatment plans in diabetics with lower extremity complications. He plans to dedicate his participation at the Baylor College of Medicine towards improving patient outcomes in their immediate and extended communities.

Ann-Marie Schmidt, MD
Dr. Iven Young Professor of Endocrinology, Department of Medicine
Professor, Department of Biochemistry and Molecular Pharmacology
Professor, Department of Pathology
NYU Langone Health

Ann-Marie Schmidt earned her B.A. in biology and history summa cum laude from NYU’s Washington Square College and her M.D. degree with honors from NYU School of Medicine. She remained at NYU to complete her medical residency and chief residency,
as well as fellowship in hematology and medical oncology, then moved to Columbia University, joining the department of physiology and cellular biophysics as a Post-doctoral Fellow of the Juvenile Diabetes Research Foundation (JDRF). From 2003 to 2010, she served as the Chief of the Division of Surgical Science and the Gerald and Janet Carrus Professor of Surgical Science. Effective July 1, 2010, Dr. Schmidt returned to NYU as the Director of the Diabetes Research Program at New York University Langone Medical Center, New York and the first Iven Young Professor of Endocrinology at NYU. She is a Professor of Medicine, Pharmacology and Pathology.

Dr. Schmidt’s laboratory discovered “RAGE,” (receptor for advanced glycation end-products), a cell-surface receptor that exacerbates inflammation and damage when activated, to heart disease-related vascular injury, particularly in diabetes and its complications. She has studied RAGE and its relationship to inflammatory and immune disorders, peripheral nerve injury and regeneration, and neurodegenerative diseases. Her laboratory has recently discovered the intracellular interactions of the RAGE cytoplasmic domain with diaphanous-1, a member of the formin family. This discovery forms the basis for the identification of a new class of RAGE inhibitors for the treatment of diabetes and its complications and RAGE-related disorders.

Dr. Schmidt is a Scholar of the JDRF and received the David Rumbough Research Award from the JDRF in 2010.

Marie-Laure Névoret, MD
Consultant Medical Director US
Impeto Medical, Inc.

Marie-Laure Névoret is the Clinical Director of VM BioPharma where she oversees the company’s lead genetic products through its clinical development program in the US. She is also Consultant Medical Director US for Impeto Medical, Inc. heading the medical affairs and clinical trials of an innovative sudomotor device for the detection of small fiber impairment. After completing her bachelor’s degree at Duke University, she received her M.D. from Loyola University Chicago Stritch School of Medicine and proceeded to complete her residency in General Surgery at Loyola as well. She went on to practice general surgery in Lowell, MA. After starting a family, Dr. Névoret decided to explore the world of clinical research. Under the invaluable tutelage of Dr. Aaron Vinik, she discovered the world of diabetic neuropathy and never looked back. Dr. Névoret continues to work passionately on the neurological problems of diabetes, as her medical school neuroscience professor had uncannily predicted.
Jayer Chung, MD  
Vascular Surgeon, Baylor Clinic  
Assistant Professor of Surgery  
Division of Vascular Surgery & Endovascular Therapy  
Baylor College of Medicine

Jayer Chung came to Houston from The University of Texas Southwestern Medical Center where he was an Assistant Professor and most recently the Co-Medical Director at The University of Texas Southwestern Wound Center. During his time in Dallas, Dr. Chung also served as the Chief of Vascular Surgery at Parkland Memorial Hospital for 5 years prior to assuming the position at the University. He also received his Masters of Clinical Science from the Southwestern Graduate School of Biomedical Sciences while in Dallas. Dr. Chung completed his General Surgery training at the University of Colorado Health and Sciences Center, and his Vascular Surgery fellowship at Emory School of Medicine, where he was trained in the latest endovascular techniques as well as traditional open Vascular Surgery. His clinical interests include limb salvage, diabetic foot ulceration, carotid occlusive disease, thoracic and abdominal aortic aneurysmal disease, aortic graft infections, renovascular hypertension, mesenteric ischemia, venous and arterial thoracic outlet syndrome, and chronic deep venous thrombosis.

Bijan Najafi, PhD  
Professor of Surgery  
Director of Clinical Research, Division of Vascular Surgery and Endovascular Therapy  
Director of Interdisciplinary Consortium on Advanced Motion Performance (iCAMP)  
Baylor College of Medicine

Bijan Najafi currently serves with the Baylor College of Medicine, Department of Surgery as a tenured Professor, Director of Clinical Research in the Division of Vascular Surgery, and Director of Interdisciplinary Consortium on Advanced Motion Performance (iCAMP). Prof. Najafi completed his Ph.D. in Bioengineering, followed by a Postdoctoral Fellowship in Biomechanics at the Swiss Federal Institute of Tech and in Neuroscience at Harvard University. He has almost two decades of experience in designing bio-inspired sensors for objective evaluation of healthy state of patients with locomotor dysfunctions, over 200 scientific publications in peer reviewed journals or conference proceeding, seven issued patents and 10+ pending patents, and has been Principal or a key investigator on over 50 industrial, national and international grants. Prof. Najafi has received multiple prestigious awards, including the Influential Health and Medical Leaders award in the category of achievement in designing medical devices.
PANEL DISCUSSION
GROW YOUR INNOVATION THROUGH PARTNERSHIPS

MODERATOR

Derek Brand
Chief Operating Officer
NewYorkBIO

Derek Brand is an entrepreneur, executive, and networkbuilder with nearly 20 years of experience at the intersection of groundbreaking science and commercial development; he is the Chief Operating Officer of NewYorkBIO, which represents nearly 200 members and includes the state’s leading bioscience companies, universities, research institutions and others dedicated to advancing life science research and commercialization. He is also the founder and principal behind ECHO NYC, an organization fostering connectivity between key stakeholders in the NYC biomedical ecosystem, including entrepreneurs, capital providers, clinicians, and healthcare operators, which has run monthly “Bioentrepreneurship in NYC” events since 2009 and co-founded the Foundation conferences in 2016.

Derek has a deep background in startup biomedical companies. He is a co-founder and board member of Marvel Genomics and a Bio-entrepreneur in Residence for the Long Island Bioscience Hub. His previous ventures include multiple start-up companies, a commercial role at GE, and business development at the NY Academy of Sciences. Derek received his BS in biology from Hamilton College and his MBA from Babson College.
Ibraheem Badejo, PhD  
Senior Director, New Ventures  
Johnson & Johnson Innovation Center

Ibraheem (Ib) Badejo leverages his expertise in smart materials and biomaterials to support the medical device sector of Johnson & Johnson. From 2010 to 2013, Dr. Badejo was a Research Fellow at Global Surgery Group of Johnson & Johnson, where he was responsible for external and front-end innovations and intellectual property for Ethicon Biosurgery. From 2006 to 2010, he was the Director of Applied Research & New Technology Assessment of novel biomaterials. Prior to that, he was the Chief Scientist of Closure Medical Corp (acquired by Johnson & Johnson in 2005). Dr. Badejo has held various positions at Bayer, North Carolina State University, and the College of Charleston. He currently serves as an Adjunct Professor of Biomedical Engineering at Drexel University.

During his career, Dr. Badejo has led teams in the development of commercialized biomaterials-based products and new technology / products licensed or acquired. He received his PhD in organic chemistry from the University of Toledo, where he was the Robert Whiteford Memorial Scholar for Outstanding Graduate Research and a Petroleum Research Fund Fellow. Dr. Badejo received the Science Alumni Award, Avila University in 2014. He is the recipient of 24 US patents and well published in many peer review journals.

Eric Soller, PhD  
Head of Strategy & External Innovation  
BlueRock Therapeutics

Eric Soller is a member of the BlueRock founding team and led the launch of the company in 2016 as an entrepreneur-in-residence at Versant Ventures, a leading healthcare investment firm and principal founding investor in the company. From a strategic perspective, Dr. Soller continues to lead the efforts of the company to build the industry’s leading engineered cell therapy platform and to translate their novel Cell+Gene™ platform into a robust portfolio of viable clinical programs underpinned by strong scientific, clinical, and commercial rationale. Additionally, Dr. Soller leads the efforts of the company to evaluate the external scientific landscape to access emerging technologies and programs to augment the depth and breadth of their platform and pipeline. Prior to joining Versant, Dr. Soller was a junior partner in McKinsey & Company’s New York office and a leader in
the firm's healthcare and corporate finance practices. He advised leading biopharma companies on a range of strategic and operational issues across R&D, business and corporate development, marketing, and sales. Dr. Soller holds a B.S. in mechanical engineering with minors in applied biology and biomedical engineering from the Rose-Hulman Institute of Technology and a Ph.D. in mechanical engineering with a biomedical focus from the Massachusetts Institute of Technology where his work centered on translational efforts to induce organ regeneration after severe injury.

Raeka Aiyar, PhD
Senior Director, Scientific Outreach
New York Stem Cell Foundation, Inc.

Raeka Aiyar is the Director of Scientific Outreach at The New York Stem Cell Foundation Research Institute, and an experienced molecular biologist turned science communicator. Trained in genomics and bioinformatics at the University of Waterloo, she received her PhD at the European Molecular Biology Laboratory in Germany, where she investigated new therapeutic strategies for mitochondrial diseases. Since then, Dr. Aiyar has dedicated her career to science communication, engaging a variety of audiences through writing, training, and outreach. As Director of Communications and Development at the Stanford Genome Technology Center and the Chronic Fatigue Syndrome Research Center at Stanford for 3 years, she led the Center’s scientific communications, including fundraising, scientific strategy, program management, and collaboration building. In her current role at NYSCF, she oversees communications materials and initiatives, grant proposal development, and scientific event programming.
Ira M. Herman, PhD  
Professor and Director  
Program in Cellular, Molecular and Developmental Biology  
Center for Innovations in Wound Healing Research  
Tufts University School of Medicine

Ira Herman is tenured professor and director, Center for Innovations in Wound Healing Research, Tufts University School of Medicine. He is director, Cell Molecular and Developmental Biology Program, Sackler School of Graduate Biomedical Sciences, Tufts University School of Medicine, where he has received the Distinguished Faculty Award. Throughout his professional career, and since the time of his graduate and post-graduate studies at Tulane University, Harvard University and Johns Hopkins University School of Medicine, professor Herman’s research interests have been focused on revealing the mechanisms controlling cellular and tissue responses to injury and tissue regeneration, including the vascular remodeling and angiogenesis of wound healing. These basic studies have given rise to several fundamental insights and a deepened understanding of many physiologic and pathologic processes, including the molecular mechanisms regulating the cellular responses to injury and tissue repair. Furthermore, several of these discoveries have fostered the development of novel technologies for therapeutics and device development, which are described in several issued and pending US and international patents and focus on the promotion of wound healing, scar-less healing, inhibition of ocular or tumor-induced angiogenesis, the etiology of essential hypertension and the abrogation of cancer cell invasion.

During his three-decade tenure at Tufts University, professor Herman has published scores of scholarly reviews and book chapters, and over 80 primary research papers.
MODERATOR

**Stephanie C. Wu, DPM**
Associate Dean of Research  
Professor of Podiatric Surgery and Applied Biomechanics  
Professor, Center for Stem Cell and Regenerative Medicine  
Director, Center for Lower Extremity Ambulatory Research (CLEAR)  
Dr. William M. Scholl College of Podiatric Medicine  
Rosalind Franklin University of Medicine and Science

**Stephanie Wu** is the Associate Dean of Research, Professor of Podiatric Surgery and Applied Biomechanics, Professor, Center for Stem Cell and Regenerative Medicine, and Director, Center for Lower Extremity Ambulatory Research (CLEAR) for the Dr. William M. Scholl College of Podiatric Medicine at Rosalind Franklin University of Medicine and Science. Dr. Wu has more than 150 book chapters and peer reviewed publications and has served as Principal Investigator in more than 40 clinical research trials. She is also a highly sought after lecturer at national and international forums and has given over 400 presentations in over 40 countries.

**Kris Kieswetter, PhD**
Director, Research and Innovation  
Acelity, Inc.

**Kris Kieswetter** currently serves as Senior Director, Research & Innovation at Acelity, Inc. The Research Sciences organization she leads provides technical and scientific support to product development teams, develops novel concepts and performs technology assessments. During her 20+ year career, Dr. Kieswetter has been involved in both device and drug product development. Following a post-doctoral fellowship, Dr. Kieswetter joined OsteoBiologics, Inc. to develop biodegradable implants. After 2 years working with topical wound care products at Healthpoint, Ltd., she joined KCI and established the research organization.
Ira M. Herman, PhD
Professor and Director
Program in Cellular, Molecular and Developmental Biology
Center for Innovations in Wound Healing Research
Tufts University School of Medicine

Ira Herman is tenured professor and director, Center for Innovations in Wound Healing Research, Tufts University School of Medicine. He is director, Cell Molecular and Developmental Biology Program, Sackler School of Graduate Biomedical Sciences, Tufts University School of Medicine, where he has received the Distinguished Faculty Award. Throughout his professional career, and since the time of his graduate and post-graduate studies at Tulane University, Harvard University and Johns Hopkins University School of Medicine, professor Herman’s research interests have been focused on revealing the mechanisms controlling cellular and tissue responses to injury and tissue regeneration, including the vascular remodeling and angiogenesis of wound healing. These basic studies have given rise to several fundamental insights and a deepened understanding of many physiologic and pathologic processes, including the molecular mechanisms regulating the cellular responses to injury and tissue repair. Furthermore, several of these discoveries have fostered the development of novel technologies for therapeutics and device development, which are described in several issued and pending US and international patents and focus on the promotion of wound healing, scar-less healing, inhibition of ocular or tumor-induced angiogenesis, the etiology of essential hypertension and the abrogation of cancer cell invasion.

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PANEL DISCUSSION
CHALLENGES AND OPPORTUNITIES WITH REGULATION AND POLICY IN THE WOUND INDUSTRY

MODERATOR

Lee C. Rogers, DPM
Managing Partner
Amputation Prevention Experts (APEx) Health Network

Lee Rogers is managing partner of APEx, previously the medical director of the Amputation Prevention Centers of America, a division of RestorixHealth, Inc. Dr. Rogers is the past chair of the foot care council for the ADA. He received the 2011 Rising Star Award from the American Podiatric Medical Association for outstanding national accomplishments and has been selected by Podiatry Management Magazine as one of the most influential podiatrists in America. Dr. Rogers was selected as Educator of the Year from the California Podiatric Medical Association in 2012 and given the Master’s Award from the American Professional Wound Care Association. Dr. Rogers’s work has been quoted in the Wall Street Journal, the Washington Post, US News & World Report and he’s been a guest on ABC’s The Doctors Show, featured on PBS’s American Medical Journal and Al Jazeera International’s The Cure.

Amy L. Law
Vice-President, Global Health Economics, Reimbursement and Government Affairs
Acelity, Inc.

Amy Law joined Acelity eleven years ago, and has held various roles in Marketing, IT and Operations. She currently leads the Global Health Economics Outcomes Research team, Reimbursement and Government Affairs. Prior to joining Acelity, she was a management consultant, leading engagements in South Korea, Germany, Australia, and the US. Amy holds a degree in Economics from the London School of Economics and an MBA from Harvard Business School.
Marcia Nusgart. is the Executive Director of the Alliance of Wound Care Stakeholders. She also serves as Executive Director for the Coalition of Wound Care Manufacturers and President of Nusgart Consulting LLC. She is an industry leader in providing comprehensive strategies to medical device and pharmaceutical manufacturers regarding coding, coverage and reimbursement issues under Medicare and Medicaid. Her accomplishments range from advocating successfully, in her coalition capacity, for the Centers for Medicaid and Medicare Services (CMS) to modernize the HCPCS coding process to make it more timely, transparent and understandable for manufacturers to, in her consulting role, obtaining new HCPCS codes along with appropriate coverage and payment for manufacturers' products.

Ms. Nusgart is also well known in the home and wound care industry through speaking engagements at national and international conferences. She has previously served as Associate Vice President, Home Care for the Advanced Medical Technology Association (AdvaMed). Prior to joining AdvaMed, Ms. Nusgart worked as Director of Home Care for the National Community Pharmacy Association. She has also served in senior positions with Super X Drugs and also worked for Merck. She holds a Bachelors of Science in Pharmacy from the Ohio State University. She currently serves on the Boards for four organizations: George Washington University Regulatory Affairs, Kestrel Wound Source, Women Business Leaders of the U.S. Healthcare Industry Foundation, and the Ohio State University College of Pharmacy.
**LIVE TECHNOLOGY DEMONSTRATIONS**

**Innovation from KCI: DERMATAC™ Drape** by KCI, Inc.

The first-ever silicone-acrylic hybrid drape providing the ideal balance for wound healing support. With its low tack adhesive properties, DERMATAC™ Drape is strong enough to maintain a seal for Negative Pressure Wound Therapy, yet gentle enough to help take the pain out of dressing changes.

**SUDOSCAN** by SudoScan, Inc./Impeto Medical, Inc.

**SUDOSCAN** is an innovative device for early detection and follow-up of Autonomic and Small Fiber Neuropathy. SUDOSCAN evaluates sweat gland function, which can reflect the health of small nerve fibers. By testing sweat function, SUDOSCAN allows physicians to follow the health of these nerves to better personalize and monitor patient treatment plans.
REGENERATIVE MEDICINE & NOVEL THERAPIES

MODERATOR

Bijan Najafi, PhD
Professor of Surgery
Director of Clinical Research, Division of Vascular Surgery and Endovascular Therapy Director of Interdisciplinary Consortium on Advanced Motion Performance (iCAMP) Baylor College of Medicine

Bijan Najafi currently serves with the Baylor College of Medicine, Department of Surgery as a tenured Professor, Director of Clinical Research in the Division of Vascular Surgery, and Director of Interdisciplinary Consortium on Advanced Motion Performance (iCAMP). Prof. Najafi completed his Ph.D. in Bioengineering, followed by a Postdoctoral Fellowship in Biomechanics at the Swiss Federal Institute of Tech and in Neuroscience at Harvard University. He has almost two decades of experience in designing bio-inspired sensors for objective evaluation of healthy state of patients with locomotor dysfunctions, over 200 scientific publications in peer reviewed journals or conference proceeding, seven issued patents and 10+ pending patents, and has been Principal or a key investigator on over 50 industrial, national and international grants. Prof. Najafi has received multiple prestigious awards, including the Influential Health and Medical Leaders award in the category of achievement in designing medical devices.

Bryan C. Markinson, DPM
Chief, Podiatric Medicine and Surgery
The Leni and Peter W. May Dept of Orthopedic Surgery
Mount Sinai School of Medicine

Bryan Markinson completed a Podiatric surgical residency at the New York College of Podiatric Medicine and affiliated hospitals in 1982, after which he trained as a Fellow in Podiatric Medicine at the same institution, focusing on dermatologic, rheumatologic, and diabetic foot disorders. He then received an academic appointment at his alma mater, where he currently is an adjunct Professor in the Department of Podiatric Medicine. Dr. Markinson was Board Certified by the American Board of Podiatric Orthopedics and Primary Podiatric Medicine in 1989, and voluntarily completed the re-certification process in 2003. From 1993 to 1995, Dr. Markinson received additional training in podiatric
pathology at the University of Medicine and Dentistry of New Jersey, in the division of dermatopathology, under the direction of W. Clark Lambert, MD, PhD. He then started the Podiatric Pathology service at the Mount Sinai Medical Center in New York City. Dr. Markinson is a Fellow of the American Society of Podiatric Dermatology and was elected President of that organization from 2003 to 2005. In 2004, Dr. Markinson began serving on the board of the Council for Nail Disorders, and affiliate of the American Academy of Dermatology. In 1999, Dr. Markinson joined the full-time faculty practice at the Leni and Peter W. May Department of Orthopedic Surgery of the Mount Sinai School of Medicine as the Chief of Podiatric Medicine and Surgery. This enabled the Mount Sinai of Queens Podiatric Surgical Residency to expand from four to twelve residents, and from a two-year program to a three year program.

Dr. Markinson’s special areas of interest are podiatric skin diseases and tumors, including early diagnosis of pedal melanoma and fungal diseases of the skin and nails, pedal dermatitis, diabetic foot problems, foot surgery, and the special foot health problems of the elderly.

Alisha Oropallo, MD, FACS
Director, Comprehensive Wound Healing Center and Hyperbarics
Attending Vascular Surgeon, Dept of Vascular Surgery, Northwell Health
Associate Professor, Zucker Hofstra University School of Medicine

Alisha Oropallo is currently a practicing Vascular surgeon and Wound Care physician. She is the Medical Director of the Comprehensive Wound Healing Center and Hyperbarics at Northwell Health. She is involved with basic science with the Feinstein Institute of Medical Research, translational, and clinical research. Dr. Oropallo is a co-founder in the development of Northwell’s first regional multidisciplinary wound care conference to help educate clinicians. She is currently an Associate Professor at Zucker Hofstra school of Medicine, Fellow of the American College of Surgeons with board certification in Surgery and Vascular Surgery, and a certification in wound care (MAPWCA). She authors many journal articles and is a reviewer for several journals. Dr. Oropallo is currently on the speaker’s bureau for the American Association of Wound Care for the advancement of wound healing. She is a recipient of the national Shire research award for basic science research study involving CIRP with a Feinstein investigator. She has performed numerous clinical trials, including investigator-led as well as industry-sponsored. Dr. Oropallo enjoys research on the advancement of wound healing through new technological innovations, testing new products or product developments, and improving patient quality of care in wound healing.
John Lantis is the Vice Chairman of the Department of Surgery at Mount Sinai West in New York City, where he is also the Chief of Vascular and Endovascular Surgery, and the Director of Surgical Clinical Research. He holds the academic title of Professor of Surgery at the Icahn School of Medicine at Mount Sinai. Dr Lantis' clinical practice spans the fields of Vascular/Endovascular Surgery, and lower extremity wound healing. He directs a clinical/basic science research program in the field of lower extremity wound healing and tissue repair and is published extensively. He is a founding member of the American Board of Wound Medicine and Surgery. He currently sits on the editorial board of WOUNDS and is a reviewer for half a dozen other journals. To date he has been the principal investigator on more than 55 multi-center and single-center chronic wound and vascular surgery trials.
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