Influential leaders in the field of wound healing present an intimate, interactive three-day program of innovation and ideas exchange.
# Table of Contents

**Acknowledgment** ................................................................. 5

**Program Overview** ............................................................. 7

**Agenda** .................................................................................. 9

**Planning Committee** .............................................................. 13

**Faculty** .................................................................................. 18

**Biographies** ............................................................................ 20

**Award Nominees and Poster Presenters** ................................. 28
Program Founder

Peter Sheehan, MD

Program Committee

Ira M. Herman, PHD (Co-Chair)
Professor and Director
Program in Cellular, Molecular and Developmental Biology
Center for Innovations in Wound Healing Research
Tufts University School of Medicine

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

D. Scott Covington, MD
Chief Medical Officer
Healogics Corporation

Paulita Laplante, PhD
CEO, RxLeasing Partners
CSO & Partner, Prescription Landscape

Lawrence Lavery, DPM, MPH
Professor
Plastic Surgery, Orthopaedic Surgery,
Physical Medicine & Rehabilitation
University of Texas Southwestern Medical Center

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

Miguel Montero-Baker, MD
Associate Professor, Surgery
Division of Vascular Surgery and Endovascular Therapy
Baylor College of Medicine, USA
Associate Clinical Chief
Division of Vascular Surgery and Endovascular Therapy
Baylor St. Luke’s Medical Center

Tanya Rhodes, PHD
CEO
Rhodes and Associates, Inc

Lee C. Rogers, DPM
Medical Director
Amputation Prevention Centers of America

Stephanie C. Wu, DPM
Associate Dean of Research
Podiatric Surgery and Applied Biomechanics
Professor
Podiatric Surgery and Applied Biomechanics and 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

Nadège Sheehan, PHD
Director
WoundHSI
Co-Founder & President
PSDC Foundation
Acknowledgement

This conference is made possible thanks to the grants, sponsorships, contributions, and partnership of:

**Diamond**

- Acelity
- WeHealth by Servier

**Sapphire**

- Medline
- MiMedx
- Osiris Therapeutics, Inc.

**Bronze**

- S2 Medical

**Contributors**

- Clyra Medical Technologies Inc.
- TenCure
- BRH Medical
- Alpine Creative Group
- Photomuse
ABOUT THE CONFERENCE

WoundHSI was envisioned and founded in 1999 by the late Dr. Peter Sheehan, a leading figure in the fields of Diabetes and Wound Healing. The Conference provides a unique collaboration between Clinicians, Academia, and Industry, in a setting and scale conducive to professional interaction and exchange. It is an intimate meeting of an inherently interested audience, with high quality presentations by academic, clinical, and industry scientists addressing current breakthrough research and innovations, sometimes not readily available in other forums and where presentations are made without any intellectual restrictions.

The presentation topics are selected by the Program Committee and are based on research developments and emerging trends that have immediate impact on the field of wound care. Researchers from, both, Industry and Academia, are encouraged to attend and present their scientific and clinical research in platform or poster format.

THE OBJECTIVES

- Present cutting edge pre-clinical and clinical evidence, which informs our biological foundations and insights that control healing; in addition, that influences wound diagnosis and standards of care, globally
- Identify causes to determine factors that retard progression of wound(s) through normal healing phases
- Apply various clinical scenarios in which emerging wound treatment modalities would be appropriately applied
- Recognize and distinguish applicable treatment standards to utilize in deciding a course of therapy
- Utilize physical and biological markers to differentiate wounds that would benefit from various wound treatment options
- Apply analytics in order to correctly diagnose key etiological factors and perform appropriate treatment interventions

THE PURPOSE

- A conference for the open discussion of present and future developments in the biology, treatments, and technology involved in wound healing
- A forum for participants to engage as both the audience and as presenters
- A gathering to evaluate the scientific presentations and to express opinions in the area of wound healing

THE TARGET AUDIENCE

- Scientists
- Physicians
- Podiatrists
- Surgeons
- Physical Therapists
- Vascular Specialists
- Nurses
- Related Wound Care Providers
- Global Regulatory Experts
- Investors in Life Sciences
Program Overview

The 3-day conference will feature four (4) Symposia in half-day sessions and two (2) afternoon Blue-Sky Workshops:

- **Thursday, June 28, 2018**
  - Blue Sky Workshop - Round Table Discussion: Innovation in Clinical Trial Design

- **Friday, June 29, 2018**
  - Session 1 - Novel Concepts in Wound Healing: Regenerative Medicine (cellular)
  - Session 2 - Novel Concepts in Wound Healing: Regenerative Medicine (non-cellular)
  - Buffet Lunch - Poster Presentations
  - Blue Sky Workshop - Round Table Discussion: Innovation in Chronic Disease Preemption

- **Saturday, June 30, 2018**
  - Session 3 - Novel Concepts in Wound Healing: Device and Procedural-Based
  - Session 4 - Novel Concepts in Wound Healing: Diagnostics, Assessments and Therapies
  - Peter Sheehan Young Innovator Award: Presentations and Ceremony
DAY 1 – THURSDAY, JUNE 28, 2018

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>PANEL/FACULTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 AM – 5:00 PM</td>
<td>Registration&lt;br&gt;Location: Morgan Foyer</td>
<td></td>
</tr>
<tr>
<td>1:00 PM – 5:30 PM</td>
<td>Blue Sky Workshop – Round Table Discussion&lt;br&gt;INNOVATION IN CLINICAL TRIAL DESIGN&lt;br&gt;Moderators: Paulita LaPlante</td>
<td></td>
</tr>
<tr>
<td>2:00 PM – 4:00 PM</td>
<td>Evolving Regulatory Challenges&lt;br&gt;Location: Morgan Rooms A-B</td>
<td>Kurt Kruger&lt;br&gt;Partner&lt;br&gt;Investment Banking Health Care and Life Sciences&lt;br&gt;WR Hambrecht + Co., USA</td>
</tr>
<tr>
<td>3:30 PM – 5:00 PM</td>
<td>Break/Networking</td>
<td>Paul Rudolf, MD&lt;br&gt;Partner&lt;br&gt;Arnold &amp; Porter Kaye Scholer, LLP, USA</td>
</tr>
<tr>
<td>3:45 PM – 5:30 PM</td>
<td>The Case for Investor Optimism&lt;br&gt;Location: Morgan Rooms A-B</td>
<td>Stephanie C. Wu, DPM&lt;br&gt;Associate Dean of Research, Professor of&lt;br&gt;Pediatric Surgery and Applied Biomechanics&lt;br&gt;Professor, Center for Stem Cell and&lt;br&gt;Regenerative Medicine&lt;br&gt;Director, Center for Lower Extremity&lt;br&gt;Ambulatory Research (CLEAR)&lt;br&gt;Dr. William M. Scholl College of Podiatric&lt;br&gt;Medicine–Rosalind Franklin University of Medicine and Science, USA</td>
</tr>
</tbody>
</table>

DAY 2 – FRIDAY, JUNE 29, 2018

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>PANEL/FACULTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:45 AM</td>
<td>Registration / Breakfast Buffet / Exhibit&lt;br&gt;Location: Morgan Foyer &amp; Whitney Room</td>
<td></td>
</tr>
<tr>
<td>7:25 AM</td>
<td>Introductory Remarks</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Session 1 – Novel Concepts in Wound Healing – Regenerative Medicine (cellular)&lt;br&gt;Moderators: Ira Herman, PhD and Miguel Montero-Baker, MD</td>
<td></td>
</tr>
<tr>
<td>7:30 AM</td>
<td>Wound Biofilm Infection</td>
<td>Chandan K. Sen, PhD&lt;br&gt;John H. and Mildred C. Lumley Chair of&lt;br&gt;Medical Research – Professor &amp; Vice-Chairman (Research) of Surgery&lt;br&gt;Associate Dean (Strategic Industry Partnership), College of Medicine – Executive Director, Comprehensive Wound Center&lt;br&gt;Director, OSU Center for Regenerative Medicine &amp; Cell-Based Therapies&lt;br&gt;The Ohio State University Wexner Medical Center, USA</td>
</tr>
<tr>
<td>7:50 AM</td>
<td>Autologous Stem/Progenitor Cells as a Personalized Treatment for Critical Limb Ischemia</td>
<td>Michael Frogel, MD&lt;br&gt;Chief Medical Officer, BioGenCell US&lt;br&gt;Associate Professor Albert Einstein College of Medicine and Chairman, US National Pediatric Disaster Coalition, USA</td>
</tr>
<tr>
<td>8:10 AM</td>
<td>Development Clues to Cardiac Repair</td>
<td>Hina W. Chaudhry, MD&lt;br&gt;Associate Professor of Medicine&lt;br&gt;Director, Cardiovascular Regenerative Medicine&lt;br&gt;Mount Sinai School of Medicine, USA</td>
</tr>
</tbody>
</table>
### DAY 2 — FRIDAY, JUNE 29, 2018...cont’d

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>PANEL/FACULTY</th>
</tr>
</thead>
</table>
| 8:30 AM  | Vascular Anomalies and Lymphedema-Related Wounds by Minimal Surgical Treatment Adipose-Derived Stem Cell   | Sadanori Akita, MD, PhD  
Professor-in-Chief  
Department of Plastic Surgery  
Wound Repair and Regeneration  
Fukuoka University, School of Medicine, Japan |
| 8:50 AM  | A Shape Conforming Regenerative Dressing for Accelerated Wound Healing | Guillermo Ameer, Sc.D.  
Director  
Center for Advanced Regenerative Engineering  
Northwestern University, USA |
| 9:10 AM  | Q&A                                                                  |                                                                               |
| 9:30 AM  | Break/Exhibit/Networking                                              |                                                                               |

### Session 2 – Novel Concepts in Wound Healing – Regenerative Medicine (non-cellular)  
Moderators: Guillermo Antonio Ameer, PhD and Stephanie C. Wu, DPM

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>PANEL/FACULTY</th>
</tr>
</thead>
</table>
| 9:50 AM  | The Role of Non-Cellular and Tissue-Based Therapeutics in the Management of the DFU – Where Are We in 2018? | John C. Lantis, MD, FACS  
Vice Chair Operations, Department of Surgery  
Chief of Division, Vascular/Endovascular Surgery  
Director of Clinical Trials, Department of Surgery  
Professor of Surgery  
Mount Sinai St Luke’s Roosevelt Hospital Center, USA |
| 10:10 AM | The Wound Angiosome Concept: Perfusion Guided Wound Healing: Initial Results | Miguel Montero-Baker, MD  
Associate Professor, Surgery  
Division of Vascular Surgery and Endovascular Therapy  
Baylor College of Medicine, USA  
Associate Clinical Chief, Division of Vascular Surgery and Endovascular Therapy  
Baylor St Luke’s Medical Center, USA |
| 10:30 AM | The Regenerative Power of the Placental Based Allografts            | Jeremy J. Lim, PhD  
Senior Biomedical Engineering  
MiMedx Group, Inc. |
| 10:50 AM | Treatment of Non-Healing Ulcers with an Allograft/Xenograft Substitue: A Case Series | Petter Sivlér  
CEO & Co-Founder  
S2Medical, Inc., Sweden |
| 11:10 AM | Donor Site Management with Chitosan Based Gelling Fiber              | Charles K. Lee, MD, FACS  
Chief of Plastic Surgery  
St. Mary’s Medical Center, San Francisco  
Assistant Clinical Professor of Surgery  
University of California  
SF (UCSF) Plastic Surgery, USA  
(Medline Industries, Inc.) |
| 11:30 AM | Clinical and Scientific Advances in the Use of Cryopreserved Placental Membranes | Alla Danilkovitch, PhD  
Chief Scientific Officer  
Osiris Therapeutics Inc., USA |
| 11:50 AM | Q&A                                                                  |                                                                               |

**Lunch Buffet / Exhibit / Poster Presentations / Networking**  
*Location: Whitney Room  
12:10PM – 1:45PM*
### Day 2 – Friday, June 29, 2018...cont’d

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>PANEL/FACULTY</th>
</tr>
</thead>
</table>
| 2:00 PM – 3:20 PM | Blue Sky Workshop – Round Table Discussion                          | **INNOVATION IN CHRONIC DISEASE PREEMPTION**  
**Moderators:** Bijan Najafi, PhD and Patrick Sheehan  
**Sponsored by:** WeHEALTH BY SERVIER                                                                                           |
| 3:20 PM – 3:40 PM | Break/Networking                                                      |                                                                                                                                                                                                              |
| 3:40 PM – 5:00 PM | The Next Generation of Healthcare Infrastructure                    | **Gene D. Morse, PharmD, FCCP, BCPS**  
**SUNY Distinguished Professor**  
**UB School of Pharmacy and Pharmaceutical Director,** Translational Pharmacology Research  
**UB New York State Center of Excellence in Bioinformatics and Life Sciences**                                                                 |
|                | **Jeffrey Nieszgoda, MD**                                           | **President & Chief Medical Officer**  
**WebCME, Inc.**                                                                                                                                                                                                 |
|                | **Jonathan Rosenblum, DPM**                                         | **Director, Diabetic Foot Service**  
**Shaarei Zedek Medical Center, Israel**                                                                                                                                                                    |
|                | **Tamar Tennenbaum, MD, PhD**                                       | **CEO and Founder,** TenCure, Ltd., Israel  
**Director,** PSDC Foundation Israel                                                                                                                                                                          |
| 6:00 PM – 8:00 PM | Networking Reception                                                 |                                                                                                                                                                                                              |

### Day 3 – Saturday, June 30, 2018

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>PANEL/FACULTY</th>
</tr>
</thead>
</table>
| 6:45 AM       | Registration / Breakfast Buffet / Exhibit                            | **Session 3 – Novel Concepts in Wound Healing – Device and Procedural-Based**  
**Moderator:** Miguel Montero-Baker, MD and Bijan Najafi, PhD                                                                                       |
| 7:30 AM       | Endovascular First Approach: What Does the Data Suggests Works Best for CLI? | **Lawrence Garcia, MD**  
**Director of Interventional Cardiology**  
**Co-Director of Vascular Medicine**  
**St. Elizabeth’s Medical Center, USA**  
**Associate Professor of Medicine,**  
**School of Medicine, Tufts University, USA**                                                                                                          |
| 7:50 AM       | Salvage Tibiopedal Procedures and Vascular Surveillance for Ischemic Wounds | **John H. Rundback, MD**  
**Interventional Radiologist**  
**Director,** Interventional Institute  
**Holy Name Medical Center, USA**                                                                                                                                                                                   |
| 8:10 AM       | Building Tract Housing Under the Skin to Treat Type 1 diabetes       | **Elliot Botvinick, PhD**  
**Associate Professor**  
**Biomedical Engineering and Surgery**  
**Beckman Laser Institute, Edwards Lifesciences Center for Advanced Cardiovascular Technology**  
**University of California, USA**                                                                                                                                                                                  |
### DAY 3 – SATURDAY, JUNE 30, 2018...cont’d

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>PANEL/FACULTY</th>
</tr>
</thead>
</table>
| 8:30AM   | Bioprinting: The State of the Art                                    | Gabor Forgacs, MD  
Scientific Founder  
Organovo  
George Vineyard Chair  
Biophysics, University of Missouri-Columbia, USA  
Chandema-Stirkey Chair, Theoretical Physics &  
Scientific Director, Shipley Innovation Center, Clarkson University, USA |
| 8:50AM   | Assessing circulatory compromise in the lower limb with optical imaging | Amaan Mazhar, PhD  
Vice President, Research and Development  
Modulated Imaging, USA |
| 9:10AM   | Q&A                                                                   |                                                                                |
| 9:30AM   | Break/Exhibit/Networking  
Location: Whitney Room                                                      |                                                                                |
| 9:50AM   | A Multi-Functional Liquid Skin Substitute (MeshFill) for Treatment of Non-Healing Wounds | Aziz Ghahary, PhD  
Professor  
Director of BC Professional Firefighters’ Burn and Wound Healing Research Group  
Department of Surgery/Plastic Surgery iCORD (International Collaboration on Repair Discoveries)  
Blusson Spinal Cord Centre, Canada |
| 10:10AM  | Novel Hydrogel: Oxygen Free Radical Scavenger Polymer                | Kris Kieswetter, PhD  
Senior Director, Research & Technology  
Acelity Inc., USA |
| 10:30AM  | Progressing Wound Care Through Remote Therapy Monitoring v2          | Bijan Najafi, PhD  
Professor of Surgery, Division of Clinical Research  
Division of Vascular Surgery and Endovascular Therapy  
Director of Interdisciplinary Consortium on Advanced Motion Performance (iCAMP)  
Baylor College of Medicine, USA |
| 10:50AM  | Concentrated Surfactant Technology: What’s the latest?               | Debashish Chakravarthy, PhD  
Vice President, Technical Affairs  
Medline Industries, Inc. |
| 11:10AM  | Q&A                                                                   |                                                                                |

**Session 4 – Novel Concepts in Wound Healing – Diagnostics, Assessments and Therapies**  
**Moderator: Lee C. Rogers, DPM and Stephanie C. Wu, DPM**

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>PANEL/FACULTY</th>
</tr>
</thead>
</table>
| 9:50AM   | A Multi-Functional Liquid Skin Substitute (MeshFill) for Treatment of Non-Healing Wounds | Aziz Ghahary, PhD  
Professor  
Director of BC Professional Firefighters’ Burn and Wound Healing Research Group  
Department of Surgery/Plastic Surgery iCORD (International Collaboration on Repair Discoveries)  
Blusson Spinal Cord Centre, Canada |
| 10:10AM  | Novel Hydrogel: Oxygen Free Radical Scavenger Polymer                | Kris Kieswetter, PhD  
Senior Director, Research & Technology  
Acelity Inc., USA |
| 10:30AM  | Progressing Wound Care Through Remote Therapy Monitoring v2          | Bijan Najafi, PhD  
Professor of Surgery, Division of Clinical Research  
Division of Vascular Surgery and Endovascular Therapy  
Director of Interdisciplinary Consortium on Advanced Motion Performance (iCAMP)  
Baylor College of Medicine, USA |
| 10:50AM  | Concentrated Surfactant Technology: What’s the latest?               | Debashish Chakravarthy, PhD  
Vice President, Technical Affairs  
Medline Industries, Inc. |
| 11:10AM  | Q&A                                                                   |                                                                                |

**Peter Sheehan Young Innovator Award**  
**Moderator: Ira Herman, PhD**

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>PANEL/FACULTY</th>
</tr>
</thead>
</table>
| 11:30AM  | Peter Sheehan Young Innovator Award  
Podium Presentation by three finalists |                                                                              |
| 12:20PM  | Break/Exhibit/Networking  
Review by the Jury  
Location: Whitney Room                                                     |                                                                              |
| 12:40PM  | Award Celebrations                                                    | Winner; First runner-up; Second runner-up |
| 12:55PM  | Closing Remarks                                                       |                                                                              |
| 1:00PM   | Conference Concludes                                                 |                                                                              |
Peter Sheehan, MD was an internationally well-respected specialist in the field of diabetes. He focused his practice on the lower extremity complications of diabetes. Dr. Sheehan had a particular research interest in peripheral neuropathy, wound healing, Charcot osteoarthropathy, and peripheral arterial disease, and brought his expertise to numerous trials dealing with these areas.

Dr. Sheehan graduated from SUNY-Downstate School of Medicine, where he also completed his residency in internal medicine. He continued his training at the Yale University School of Medicine in New Haven, where he completed a fellowship in Endocrinology and Metabolism.

Dr. Sheehan was actively involved with the American Diabetes Association (ADA) for nearly thirty years, both, on the local and national levels. He served as Chairman of the Council on Foot Care of the ADA and led a consensus panel on peripheral arterial disease and diabetes sponsored by the ADA and the American College of Cardiology (ACC). He was on the Editorial Boards of ‘Wounds’ and ‘Vascular Disease Management’ and served on the Boards of Directors of the ADA, the PAD Coalition, the American Heart Association, the Wound Healing Society, and the Wound Healing Foundation where he served as President. At the time of his passing, Dr. Sheehan was Chair of the Cardiometabolic Risk Initiative of the ADA, as well as President of the NYC Leadership Council of the ADA.

Dr. Sheehan is missed but not forgotten, as his name and legacy in diabetes and the complications are memorialized through the Non-Profit Peter Sheehan Diabetes Care Foundation, Inc.

Dr. Sheehan designed an effective system for the comprehensive care of patients with diabetes, known as ‘The Sheehan Model’. He envisioned and founded the Wound Healing: Science and Industry conference in 1999.
Ira Herman is tenured professor and director, Center for Innovations in Wound Healing Research, Tufts University School of Medicine. Dr. Herman holds appointments in the departments of developmental, molecular & chemical biology, ophthalmology and biomedical engineering. He is founding member and director emeritus, Integrated Studies Program, and is currently director, Cell Molecular and Developmental Biology Program, Sackler School of Graduate Biomedical Sciences, Tufts University School of Medicine, where he 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. He serves as editor and scientific reviewer for many scientific journals and is regularly invited as a speaker at scientific meetings, worldwide. Fulfilling his commitment to the scientific community, Professor Herman continues to serve as scientific reviewer and expert consultant for pharma and the biotechnology sectors while having chaired and continuing to participate on grant advisory panels for the National Institutes of Health, Medical Research Council, National Science Foundation, American Heart Association, and NASA.

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 received multiple prestigious award, including the Influential Health and Medical Leaders award in the category of achievement in designing medical devices.
D. SCOTT COVINGTON, MD  
*Chief Medical Officer*  
Healogics Corporation

Scott Covington, Executive Vice President of Medical Affairs and Medical Advisory Board member for Healogics™, oversees medical affairs and assists the staff for over 560 Wound Care Centers. Dr. Covington is the Course Director for the Introduction to Hyperbaric Medicine and Problem Wound Management Course.

A general surgeon with over 20 years of wound care experience, Dr. Covington lectures throughout the U.S. and internationally on wound care and hyperbaric medicine. Certified by the American Board of Surgery and a fellow in the American College of Surgeons, Dr. Covington completed his undergraduate and medical education at the University of North Carolina, Chapel Hill. He trained at the University of Texas, Houston in General Surgery; he was a Thomas G. Cronin Fellow in Wound Healing Research. Dr. Covington is a Certified Hyperbaric and Wound Specialist by the American College of Hyperbaric Medicine and a Wound Healing Society member.

PAULITA LAPLANTE, PhD  
*CEO*  
RxLeasing Partners

Paulita LaPlante is former CEO of Vasämed. She has thirty years of executive, sales & marketing, new business and training experience in numerous and progressively responsible positions in the medical device industry and strategic planning for women-owned real estate and management services industry. Her broad multifunctional business perspective encompasses critical care medicine, urology, cardiology, vascular medicine and organ transplant while medical educational background enables rapid adaptation to all medical industry segments.

LAWRENCE LAVERY, DPM, MPH  
*Professor, Plastic Surgery*  
*Orthopaedic Surgery*  
*Physical Medicine & Rehabilitation*  
University of Texas Southwestern Medical Center

Lawrence Lavery, is a board-certified podiatrist and Professor of Plastic Surgery, Orthopaedic Surgery, and Physical Medicine & Rehabilitation at UT Southwestern. He also is medical director of UT Southwestern’s Comprehensive Wound Care Center and director of the amputation prevention program at Parkland Memorial Hospital.

Dr. Lavery completed undergraduate studies at Indiana University and then earned his medical degree from the Dr. William School College of Podiatric Medicine in Chicago. He completed a residency in podiatric medicine and surgery at the University of Texas Health Science Center in San Antonio, where he also earned a Master's in Public Health.

Prior to joining UT Southwestern in 2010, Dr. Lavery held academic appointments at the Texas A&M Health Science Center College of Medicine in Temple; the University of Texas Health Science Center in San Antonio; and Loyola University Medical Center in the Chicago area. He has also served as a staff podiatrist at VA hospitals in San Antonio and Illinois.

Dr. Lavery is a member of the American Podiatric Medical Association, American Diabetes Association, and Texas Podiatric Medical Association. He has been invited to lecture on podiatric medicine, diabetic ulcers, and wound care at medical conferences around the world and has published a dozen book chapters and more than 150 research articles on these topics.

His research group has published 208 peer-reviewed papers and has received extramural funding from the VA, NIH, AHRQ, American Diabetes Association, and two American Colleges of Foot and Ankle Surgeons.
Brian Lepow is a board-certified podiatric surgeon practicing in Houston, Texas, 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 is a native Houstonian. He graduated from Westbury High School and attended the University of Arizona in Tucson, Arizona. He earned his medical degree from Barry University School of Podiatric Medicine in Miami, Florida. Dr. Lepow 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, he served as Fellow in Diabetic Limb Salvage and Reconstructive Surgery at the University of Arizona. In addition, Dr. Lepow 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 immediate and extended communities.

Miguel Montero-Baker is an associate professor in the Division of Vascular Surgery and Endovascular Therapy in Houston, Texas, specializing in Diabetic Foot Amputation Prevention and Limb Salvage. Dr. Montero-Baker graduated with honors both from medical school and his residency in Vascular Surgery at the University of Costa Rica. After his residency training, he was awarded a DAAD (German Academic Exchange Service) scholarship to further pursue his interest in interventional therapies in Leipzig, Germany, and completed a peripheral vascular ultrasound fellowship, as well as an advanced peripheral endovascular interventions fellowship. Driven by his passion for research and development of new diagnostic techniques for ischemic limbs, Dr. Montero-Baker completed an Integrated Vascular Surgery Residency at the University of Arizona and went on to join the faculty as an assistant professor. Dr. Montero-Baker is author of numerous journal publications, has co-authored several textbook chapters and is a well-recognized opinion leader for the Latin American medical community. His main clinical interests are critical limb ischemia, implantable microtechnology and endovascular carotid disease management. Dr. Montero-Baker is an active member of the Society for Vascular Surgery, the International Society for Vascular Surgery, the International Society of Endovascular Surgeons, Endovascular Surgeons of Latin America and the Latin America Society of Vascular Surgeons.

Tanya Rhodes is President and CEO of Rhodes & Associates, a consulting firm founded in 2004 that provides strategic business consulting services from concept through commercialization. Dr. Rhodes serves on a number of boards in the medical sector including non-profit foundations and for profit start-up and incubator companies.

Dr. Rhodes’ previous roles include CEO of a global medical device company that develops, manufactures and commercializes products for wound healing, repair and regeneration and Chief Technology Officer for a start-up pharmaceutical company specializing in novel drug and biotech compounds. In addition, she has held President and General Management positions in both the Professional and Retail market sectors of wound care bringing forward new innovations and drug device combinations from concept to commercialization. Earlier in her career, Dr. Rhodes was Vice President of Innovation for Smith & Nephew both in the US and UK. During her tenure, Smith and Nephew US grew from $27 million to over $150 million.

Dr. Rhodes holds a Master’s Degree with a major in Technology Management from the University of Miami and graduated with honors in Chemistry from Hull University, England, as well as completing research for her PhD in Computational Stereochemistry before relocating to the US.
Lee Rogers is the medical director of the Amputation Prevention Centers of America, a division of RestorixHealth, Inc, which manages 130 specialized centers across the US in 24 states. Dr. Rogers is the past chair of the foot care council for the American Diabetes Association. 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.

Stephanie 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.

Nadège Sheehan, PhD
Director
WoundHSI
Co-Founder & President
PSDC Foundation

Nadège Sheehan is Co-Founder and President of the Peter Sheehan Diabetes Care Foundation (PSDC Foundation) and Director of WoundHSI. She seats on the PSDC Foundation Board of Directors. Dr. Sheehan holds a doctorate degree in Economics, specialized in International Security and Defense. She authored many articles on peacebuilding and peacekeeping, including a scholarly book on the Economics of UN Peacekeeping. Aside from managing the day-to-day operation of the Foundation, Dr. Sheehan leads education activities and public outreach in the Organization. Along with a team of scientific advisory members, Dr. Sheehan seeks to create environments for scientific exchanges to advance innovation and research in all aspects of diabetes. She also leads a program in peacebuilding through health. Her goal is to bring communities together to more effectively prevent and manage diabetes, regardless of nationality, ethnicity, religion, and culture. She is currently developing a lifestyle modification program addressing the obesity problem among Arab-Israeli women in the Galilea area in Israel.
Sadanori Akita, MD  
Professor-in-Chief  
Department of Plastic Surgery  
Wound Repair and Regeneration  
Fukuoka University, School of Medicine  
Japan Endovascular Specialist, Japan

Guillermo Ameer, ScD  
Professor, Biomedical Engineering and Surgery  
Simpson-Querrey Institute  
Chemistry of Life Processes Institute  
International Institute for Nanotechnology, USA

Elliot Botvinick, PhD  
Associate Professor  
Biomedical Engineering and Surgery  
Beckman Laser Institute  
Edwards Lifesciences Center for Advanced Cardiovascular Technology  
University of California, Irvine, CA, USA

Debashish Chackravarty, PhD  
Vice-President, Technical Affairs  
Medline Industries, Inc., USA

Hina W. Chaudhry, MD  
Associate Professor of Medicine  
Director, Cardiovascular Regenerative Medicine  
Mount Sinai School of Medicine, USA

Alla Danilkovitch, PhD  
Chief Scientific Officer  
Osiris Therapeutics Inc. USA

Gabor Forgacs, MD  
Scientific Founder  
Organovo  
Founder and Chief Scientific Officer  
Modern Meadow  
George Vineyard Chair Biophysics  
University of Missouri-Columbia, USA  
Chanderna-Stirkey Chair  
Theoretical Physics & Scientific Director  
Shipley Innovation Center, Clarkson University, USA

Michael Frogel, MD  
Chief Medical Officer  
BioGenCell US  
Associate Professor  
Albert Einstein College of Medicine  
Chairman  
US National Pediatric Disaster Coalition, USA

Lawrence Garcia, MD  
Director  
Interventional Cardiology & Co-director  
Vascular Medicine  
St. Elizabeth’s Medical Center  
Associate Professor of Medicine  
Tufts University School of Medicine, USA

Aziz Ghamary, PhD  
Professor  
Director of BC Professional Firefighters’ Burn and Wound Healing Research Group  
Department of Surgery/Plastic Surgery  
iCORD (International Collaboration on Repair Discoveries)  
Blusson Spinal Cord Centre, Canada

Kris Kieswetter, PhD, MBA  
Senior Director, Research & Technology  
Acelity, Inc., USA

Kurt Kruger  
Partner  
Investment Banking Health Care and Life Sciences  
WR Hambrecht + Co., USA

John C. Lantis, MD, FACS  
Vice Chair Operations  
Director of Clinical Trials, Professor of Surgery  
Department of Surgery Chief of Division  
Vascular/Endovascular Surgery  
Mount Sinai St Luke’s Roosevelt Hospital Center, New York, USA

Charles K. Lee, MD, FACS  
Chief of Plastic Surgery  
St. Mary’s Medical Center, San Francisco  
Assistant Clinical Professor of Surgery, University of California  
SF (UCSF) Plastic Surgery, USA

Jeremy Lim, PhD  
Senior Biomedical Engineering  
MiMedx Group, Inc., USA
AMAAN MAZHAR, PhD  
**Vice-President, Research and Development**  
Modulated Imaging, Inc. USA

MIGUEL MONTERO-BAKER, MD  
**Associate Professor, Surgery, Division of Vascular Surgery and Endovascular Therapy**  
Baylor College of Medicine, USA  
**Associate Clinical Chief, Division of Vascular Surgery and Endovascular Therapy**  
Baylor St. Luke’s Medical Center  
Houston, Texas, USA

GENE D. MORSE, PHARM.D, FCCP, BCPS  
**SUNY Distinguished Professor**  
UB School of Pharmacy and Pharmaceutical Sciences  
**Director**  
Translational Pharmacology Research Core  
UB New York State Center of Excellence in Bioinformatics and Life Sciences, USA  
**Board of Directors, PSDC Foundation**

BIJAN NAJAFI, PHD  
**Co-Chair, WoundHSI**  
Professor of Surgery, Division of Clinical Research  
Division of Vascular Surgery and Endovascular Therapy  
Director of Interdisciplinary Consortium on Advanced Motion Performance (iCAMP)  
Baylor College of Medicine, USA

JEFFREY NIEZGODA, MD  
**President & Chief Medical Officer**  
AZH, Inc., USA  
**Founder, WebCME, Inc., USA**

JONATHAN ROSENBLUM, DPM  
**Director**  
Diabetic Foot Service  
Shaarei Zedek Medical Center, Jerusalem, Israel

JOHN RUNDBACK, MD  
**Interventional Radiologist**  
**Director, Interventional Institute**  
Holy Name Medical Center, USA

PAUL RUDOLF, MD  
**Partner**  
Arnold & Porter LLP, USA

CHANDAN K. SEN, PHD  
**John H. and Mildred C. Lamley Chair**  
Medical Research - Professor & Vice-Chairman (Research) of Surgery  
**Associate Dean (Strategic Industry Partnership)**  
College of Medicine  
**Executive Director, Comprehensive Wound Center**  
**Director, OSU Center for Regenerative Medicine & Cell-Based Therapies**  
The Ohio State University Wexner Medical Center, USA

PATRICK SHEEHAN  
**Co-Founder and Executive Director**  
Peter Sheehan Diabetes Care Foundation, Inc., USA

PETTER SIVLÉR  
**CEO & Co-Founder**  
S2Medical, Inc.

TAMAR TENNENBAUM, MD, PHD  
**CEO & Founder**  
Arava Bio-Tech, Inc., Israel  
**Board of Directors**  
Peter Sheehan Diabetes Care Foundation

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, USA
Sadanori Akita, MD  
Professor-in-Chief  
Department of Plastic Surgery  
Wound Repair and Regeneration  
Fukuoka University  
School of Medicine, Japan  Endovascular Specialist, Japan

**Presentation title:**  
**Vascular Anomalies and Lymphedema-Related Wounds by Minimal Surgical Treatment and Adipose-Derived Stem Cell**

Sadanori Akita did his residency in plastic surgery at Nagasaki University Hospital. He received his PhD from the Graduate School of Nagasaki University specializing in plastic and reconstructive surgery. He later did a research fellowship at Cedars-Sinai Medical Center, University of California, Los Angeles (UCLA) under the supervision of Dr. Shlomo Melmed on a cytokine expression and its regulation in vivo by using a transgenic animal model. Dr. Akita served as president of the World Union of Wound Healing Societies from 2012-2016. He is also currently president of the Asian Wound Care Association (AWCA). His research interests include: cytokines and stem cells in wound healing, difficult wound healing (radiation injury), regenerative tissue enhancement to HIV-drug related-wasting patients, reconstructive surgery, burn and craniofacial surgery. Dr. Akita's publications include 65 peer-reviewed English original articles, 12 English overviews, and 14 English book chapters with 3 editorship of the books.

---

Guillermo Ameer, Sc.D.  
Professor of Biomedical Engineering and Surgery  
Simpson-Querrey Institute  
Chemistry of Life Processes Institute  
International Institute for Nanotechnology, USA

**Presentation title:**  
**A Shape Conforming Regenerative Dressing for Accelerated Wound Healing**

Guillermo Ameer is a professor in the Biomedical Engineering Department at the McCormick School of Engineering and the Department of Surgery at the Feinberg School of Medicine, Northwestern University. He received his Bachelor’s degree in Chemical Engineering from the University of Texas at Austin and his doctoral degree in Chemical and Biomedical Engineering from the Massachusetts Institute of Technology. Dr. Ameer’s laboratory pioneered the development and applications of citrate-based biomaterials. His research interests include biomaterials, tissue engineering, regenerative engineering, controlled drug delivery and bio/nanotechnology for improved therapeutics and diagnostics. He has co-authored over 250 peer-reviewed journal publications and conference abstracts, several book chapters, and over 40 patents issued and pending in 9 countries, many of which have been licensed to develop innovative medical products. Dr. Ameer is a Fellow of the American Institute of Medical and Biological Engineering and a Fellow of the Biomedical Engineering Society.

---

Elliot Botvinick, PHD  
Associate Professor  
Biomedical Engineering and Surgery  
Beckman Laser Institute  
Edwards Lifesciences Center for Advanced Cardiovascular Technology  
University of California, Irvine, USA

**Presentation title:**  
**Building Tract Housing Under the Skin to Treat Type 1 Diabetes**

Elliot Botvinick is Associate Professor of Biomedical Engineering and Surgery at the University of California, Irvine. His research has two areas of focus: one in mechanobiology and the other in medical device development. These two efforts occur in his laboratories located within the Edwards Lifesciences Center for Advanced Cardiovascular Technology and the Beckman Laser Institute and Medical Clinic. In general, both the mechanobiology and medical device efforts utilize photonics tools such as nonlinear microscopy, optical tweezers, luminescent reporters, and laser-induced cavitation. The laboratory also develops state-of-the-art instrumentation and devices for quantitative biophysical measurements towards the study of mechanobiology. These tools are applied to test mechanical hypotheses in the areas of cancer biology, microvascular morphogenesis, tissue engineering, and stem cell biology. Dr. Botvinick's laboratory is currently funded by the Juvenile Diabetes Research Foundation to develop a novel device for the transplantation of pancreatic or stem cells for the treatment of type 1 diabetes, develop additional signals for the artificial pancreas, including a continuous insulin monitor; develop and test a new material to extend the lifetime of insulin infusion sets; and conduct a clinical study of the foreign body response to alginate microbeads.

---

Debashish Chakravarthy, PHD  
Vice-President, Technical Affairs  
Medline Industries, Inc., USA

**Presentation title:**  
**Concentrated Surfactant Technology: What’s the latest?**

Debashish Chakravarthy is a chemist by training. Dr. Chakravarthy has worked extensively in the field of biomaterials. He is keenly interested and involved in the choice of specific materials with interesting properties that can play a supportive role in natural wound healing.

---
Hina W. Chaudhry, MD
Associate Professor of Medicine
Director, Cardiovascular Regenerative Medicine
Mount Sinai School of Medicine, New York, USA

Presentation title:
Developmental Clues to Cardiac Repair

Hina Chaudhry is currently Associate Professor of Medicine and Director of Cardiovascular Regenerative Medicine at Icahn School of Medicine at Mount Sinai. Dr. Chaudhry was previously Florence Irving Assistant Professor of Medicine at Columbia University College of Physicians and Surgeons. She is also Founder and Chief Scientific Officer of VentriNova, a biotech company aimed at clinical development of regenerative strategies she has developed and supported by Broadview Ventures. She holds multiple patents in the areas of cell cycle manipulation for heart repair and the use of placental stem cells for heart repair. She has been honored by many organizations for her work in cardiac regeneration, including TEDMED which named her an Innovation Scholar, American Heart Association (AHA), and is a Principal Scientist for the New York Stem Cell Board. She has been funded by the NIH, AHA, New York Stem Cell Board, and Broadview Ventures. She is also a staunch supporter of women in STEM, having spoken on this topic at both the White House (under the Obama Administration) and twice at the United Nations International Day of Women and Girls in Science. Dr. Chaudhry holds Bachelors’ degrees in Chemistry and Biology from MIT, and an MD with Honors from Harvard Medical School. She trained in Internal Medicine and Cardiology at Duke University Medical Center and the University of Pennsylvania subsequently and later in Developmental Genetics at Columbia University.

Alla Danilkovitch, PHD
Chief Scientific Officer
Osiris Therapeutics Inc. USA

Presentation title:
Clinical and Scientific Advances in the Use of Cryopreserved Placental Membranes

Alla Danilkovitch joined Osiris in 2003. Dr. Danilkovitch has a proven record of successful product development from scientific ideas to market launch, which includes the world’s first approved stem cell drug, remestemcel-L, for graft-versus-host disease as well as BIO4™ for bone repair, Cartiform® for cartilage repair, Grafix® for acute and chronic wounds, and two most recent products: Truskin for wounds and Stravis for soft tissue repair. Prior to joining Osiris, Dr. Danilkovitch conducted research at the National Cancer Institute of National Institutes of Health, the Max Planck Institute of Biochemistry in Munich, and at Moscow State University. Dr. Danilkovitch earned a Ph.D. in cell biology and an M.S. in cellular immunology and microbiology from Moscow State University.

Gabor Forgacs, MD
Scientific Founder, Organovo
Founder and Chief Scientific Officer, Modern Meadow
Chief Medical Officer, BioGenCell US
Chairman, US National Pediatric Disaster Coalition, USA

Presentation title:
Bioprinting: The State of the Art

Gabor Forgacs is a theoretical physicist turned biophysicist turned bioengineer turned innovator and entrepreneur. His academic affiliations include the George Vineyard Chair in Biophysics at the University of Missouri-Columbia and the Chanderna-Stirkey Chair in Theoretical Physics at Clarkson University, where he is also the Scientific Director of the Shipley Innovation Center. Dr. Forgacs is the scientific founder of Organovo. He is also Founder and Chief Scientific Officer of Modern Meadow. He was trained as a physicist at the Roland Eotvos University in Budapest, Hungary. He also has a degree in biology.

Dr. Forgacs’ research interests and contributions span from topics in theoretical physics to physical mechanisms in early embryonic development. He is the author of over 200 scientific publications and 5 books, in particular the co-author of the celebrated text in the field, “Biological Physics of the Developing Embryo” that discusses physical mechanisms that guide embryonic development. He applies these mechanisms to build organ structures using bioprinting, a technology he pioneered. Such structures are already used for drug development and testing. The technology has also been adapted to engineer consumer products of animal origin such as leather and meat in environmentally friendly and ethically conscious manner.

Dr. Forgacs has been recognized by numerous prizes and awards. In particular, he is a member of the National Academy of Innovators and was named as one of the “100 most innovative people in business in 2010” by FastCompany.
Presentations:

**Lawrence Garcia, MD**
*Director*
Interventional Cardiology & Co-director, Vascular Medicine
St. Elizabeth's Medical Center
Associate Professor of Medicine
Tufts University School of Medicine, USA

**Presentation title:**
*Endovascular First Approach: What Does the Data Suggest Works Best for CLI?*

Lawrence Garcia received his training in Cardiology at the University of Iowa Hospitals and Clinics in Iowa City, Iowa, and as an interventional cardiologist at the Beth Israel Deaconess Medical Center, Harvard Medical School. Further, he received his peripheral vascular training at St. Elizabeth’s Medical Center, Tufts University, Boston, Massachusetts. Dr. Garcia then served at the Beth Israel Hospital as a full-time interventional cardiologist and Director of the Peripheral Cardiovascular Program and Peripheral Interventions at the Beth Israel Deaconess Medical Center as well as the Director of the Interventional Fellowship Program and has now returned to St. Elizabeth’s Medical Center as Chief of the Section of Interventional Cardiology and Vascular Medicine Programs. Dr. Garcia continues his research interests in a wide variety of studies including peripheral vascular interventional trials and has served as national or global principal investigator on several trials. He is widely regarded as an expert in peripheral vascular disease and specifically in atherectomy for lower extremity revascularization. His work has been presented in numerous manuscripts, abstracts, textbooks, and textbook chapters.

---

**Aziz Ghahary, PHD**
*Professor*
Director of BC Professional
Firefighters’ Burn and Wound Healing Research Group
Department of Surgery/Plastic Surgery
iCORD (International Collaboration on Repair Discoveries)
Blusson Spinal Cord Centre, Canada

**Presentation title:**
*A Multi-Functional Liquid Skin Substitute (MeshFill) for Treatment of Non-Healing Wounds*

Aziz Ghahary is a professor and Director of the Burn and Wound Healing Research Group at the University of British Columbia, Canada. He has published more than 182 peer-reviewed articles, most of them in the Journal of Investigative Dermatology. Dr. Ghahary has 7 patents, one of which is related to identifying a high level of a biomarker for early detection of rheumatoid arthritis (RA). Another patent is related to an anti-fibrotic agent for treatment of scarring. Upon a successful completing a phase I clinical trial, it has been licensed to a Canadian / US company, BirchBiomed in 2015. Another patent is related to a multifunctional powdered reconstitutable liquid skin substitute to be used for non-healing wounds such as diabetic wounds and pressure ulcers.

---

**Kris Kieswetter, PHD, MBA**
*Senior Director, Research & Technology*
Acelity, Inc., USA

**Presentation title:**
*Progressing Wound Care Through Remote Therapy Monitoring v2*

Kris Kieswetter currently serves as Senior Director, Research & Technology at Acelity, Inc. The Device 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.

---

**Kris Kieswetter**
*Partner*
Investment Banking Health Care and Life Sciences
WR Hambrecht + Co., USA

**Panelist:**
*Innovation in Clinical Trial Design*

Kurt Kruger has enjoyed a 30-year career in Medical Technology. His deep involvement in the field has ranged from product design and development as a biomedical engineer to raising capital for, and following, publicly traded medical product companies as an equities research analyst. As a marketing manager at Guidant, Kruger developed the launch plans for the first-ever implantable defibrillator. As a securities analyst he showed perspicacity leading Hambrecht & Quist in providing venture funds for, and then taking public, Ventritex, which was later acquired by St. Jude Medical. Kruger received an Sc.B. degree in Biomedical Engineering from Brown University; a Master's degree in Bioengineering from the University of Michigan; and a business degree (S.M) from the Sloan School at the Massachusetts Institute of Technology (MIT). He also completed the premedical post-baccalaureate program at Columbia University.
John C. Lantis, MD, FACS  
Vice Chair Operations  
Director of Clinical Trials, Professor of Surgery  
Department of Surgery Chief of Division  
Vascular/Endovascular Surgery  
Mount Sinai St Luke's Roosevelt Hospital Center, New York, USA  

**Presentation title:**  
The Role of Non-Cellular and Tissue-Based Therapeutics in the Management of the DFU – Where Are We in 2018?  

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. Dr. Lantis holds the academic title of Professor of Surgery at the Icahn School of Medicine at Mount Sinai. His 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. Dr. Lantis 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 is/or has been the principal investigator on more than 55 multi center and single center chronic wound and vascular surgery trials.

Charles K. Lee, MD, FACS  
Chief of Plastic Surgery  
St. Mary’s Medical Center, San Francisco  
Assistant Clinical Professor of Surgery  
University of California, SF (UCSF) Plastic Surgery, USA  

**Presentation title:**  
Donor Site Management with Chitosan Based Gelling Fiber  

Charles K. Lee is a plastic surgeon with expertise in reconstructive microsurgery and aesthetic surgery. Dr. Lee graduated from Washington University-St. Louis (BA and MD) and completed his Plastic and Reconstructive Surgery residency at the University of Chicago. He then went on to a fellowship in Microsurgery and Hand Surgery at the Buncke Clinic, San Francisco. Dr. Lee has been on the full-time staff at the Buncke Clinic, clinical faculty at Stanford University and the University of California, San Francisco (UCSF). Dr. Lee is an Associate Clinical Professor of Surgery at UCSF and is the Chief of Plastic Surgery and Director of Reconstructive Microsurgery at St. Mary’s Medical Center, San Francisco.

Jeremy Lim, PHD  
Senior Biomedical Engineering  
MiMedx Group, Inc., USA  

**Presentation title:**  
The Regenerative Power of the Placental Based Allografts  

Jeremy Lim is a Senior Biomedical Engineer at MiMedx Group, Inc., where he has been a member of the Research and Development team since 2013. MiMedx is the leading biopharmaceutical company developing and marketing regenerative and therapeutic biologics utilizing human placental tissue allografts for multiple sectors of healthcare. Dr. Lim received his PhD in Biomedical Engineering from Georgia Tech and Emory University in Atlanta, GA, and received his BS in Biomedical Engineering from Northwestern University in Evanston, IL. Dr. Lim’s research investigates the development and characterization of biomaterials to control cytokine delivery and regulate stem cell activity to promote healing and repair.

Amaan Mazhar, PHD  
Vice-President, Research and Development  
Modulated Imaging, Inc. USA  

**Presentation title:**  
Assessing Circulatory Compromise in the Lower Limb with Optical Imaging  

Amaan Mazhar is Vice President of Research and Development at Modulated Imaging Inc. Dr. Mazhar received his PhD from the Beckman Laser Institute at the University of California, Irvine, in biomedical engineering. His expertise is in development of biomedical optical technologies with emphasis in translating these technologies to the clinic. In his current role, he is leading R&D efforts to commercialize a licensed optical technology developed at UCI called Spatial Frequency Domain Imaging (SFDI). Dr. Mazhar has co-authored over twenty journal publications and multiple patents related to this technology.
Miguel Montero-Baker, MD  
Associate Professor, Surgery, Division of Vascular Surgery and Endovascular Therapy  
Baylor College of Medicine, USA  
Associate Clinical Chief, Division of Vascular Surgery and Endovascular Therapy  
Baylor St. Luke's Medical Center, Houston, Texas, USA  

**Presentation title:**  
*The Wound Angiosome Concept: Perfusion Guided Wound Healing: Initial Results*  

Miguel Montero-Baker is an associate professor in the Division of Vascular Surgery and Endovascular Therapy in Houston, Texas, specializing in Diabetic Foot Amputation Prevention and Limb Salvage. Dr. Montero-Baker graduated with honors both from medical school and his residency in Vascular Surgery at the University of Costa Rica. After his residency training, he was awarded a DAAD (German Academic Exchange Service) scholarship to further pursue his interest in interventional therapies in Leipzig, Germany, and completed a peripheral vascular ultrasound fellowship, as well as an advanced peripheral endovascular interventions fellowship. Driven by his passion for research and development of new diagnostic techniques for ischemic limbs, Dr. Montero-Baker completed an Integrated Vascular Surgery Residency at the University of Arizona and went on to join the faculty as an assistant professor. Dr. Montero-Baker is author of numerous journal publications, has co-authored several textbook chapters and is a well-recognized opinion leader for the Latin American medical community. His main clinical interests are critical limb ischemia, implantable micro-technology and endovascular carotid disease management. Dr. Montero-Baker is an active member of the Society for Vascular Surgery, the International Society for Vascular Surgery, the International Society of Endovascular Surgeons, Endovascular Surgeons of Latin America and the Latin America Society of Vascular Surgeons.

Gene D. Morse, PHARMD, FCCP, BCPS  
SUNY Distinguished Professor  
UB School of Pharmacy and Pharmaceutical Sciences  
Director, Translational Pharmacology Research Core  
UB New York State Center of Excellence in Bioinformatics and Life Sciences, USA  
Board of Directors, PSDC Foundation  

**Panelist:**  
*"Innovation in Chronic Disease Premption"*  

Gene D. Morse is a tenured, SUNY Distinguished Professor in the School of Pharmacy and Pharmaceutical Sciences and Director of the UB Center for Integrated Global Biomedical Sciences. He is also the Co-Director of the SUNY Global Health Institute. Dr. Morse has been actively involved in drug development research since the introduction of antiretrovirals for HIV in 1986, with more recent emphasis on HCV infection and drug development. He has National Institute of Allergy and Infectious Diseases support for the UB AIDS Clinical Trials Group, Pharmacology Specialty Laboratory and a contract for the HIV Clinical Pharmacology Quality Assurance Program. These programs integrate with the NIH Fogarty International Center AIDS International Training and Research Program, which Dr. Morse directs with the University of Zimbabwe and is home to the Center of Excellence in Clinical Pharmacology.

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

**Presentation title:**  
*Digital Health & Diabetic Foot Care: Toward designing smart home to personalize management of diabetic foot ulcers*  

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 received multiple prestigious award, including the Influential Health and Medical Leaders award in the category of achievement in designing medical devices.
Jeffrey Niezgoda, MD
President & Chief Medical Officer
AZH, Inc., USA
Founder, WebCME, Inc., USA

**Panelist:**
*Innovation in Chronic Disease Preemption*

Jeffrey Niezgoda is the President & Chief Medical Officer of AZH, a company providing clinical hyperbaric and wound care services, as well as the founder of WebCME, an international educational company with a mission to provide wound care and hyperbaric education over the internet. Over the past 10 years, WebCME has trained over five thousand healthcare providers. He is the President of the American College of Hyperbaric Medicine and Vice President of the American Professional Wound Care Association. Dr. Niezgoda holds an MD from the Uniformed Services University of the Health Sciences, F. Edward Herbert School of Medicine, Bethesda, Maryland, and is a 1981 graduate of U.S. Air Force Academy.

Jonathan Rosenblum, DPM
Director, Diabetic Foot Service
Shaarei Zedek Medical Center, Israel

**Panelist:**
*Innovation in Chronic Disease Preemption*

Jonathan Rosenblum is the Director of the Diabetic Foot Service at Shaarei Zedek Medical Center in Jerusalem, Israel. Dr. Rosenblum is the parliamentary liaison responsible for bringing the Podiatry Law in Israel to fruition. He serves as a consultant to numerous Israeli medical startups in a variety of fields. Dr. Rosenblum has lectured worldwide on multiple topics related to Podiatric Medical and Surgical care.

John Rundback, MD
Interventional Radiologist
Director, Interventional Institute
Holy Name Medical Center, USA

**Presentation title:**
*Salvage Tibiopedal Procedures and Vascular Surveillance for Ischemic Wounds*

John H. Rundback is a renowned interventional radiologist in practice for nearly two decades and is the Director of the Interventional Institute at Holy Name Medical Center. He is board-certified in radiology and holds a Certificate of Added Qualification in Angiography and Interventional Radiology. He has been named as a Top Doctor by Castle Connolly. Dr. Rundback's research interests include peripheral arterial, carotid and aortic aneurysmal disease, deep venous thrombosis and varicose veins, as well as state-of-the art minimally invasive cancer therapies, and he is the principal investigator on a number of multi-center trials. He has presented at more than 200 conferences, and is the program chairman for his own peripheral arterial disease symposium. He has served as an editor and reviewer for peer-reviewed medical journals, and published over 100 articles. Dr. Rundback is a past member of the Board of Directors of the Society of Interventional Radiology Foundation and Founding Chair for the Foundation's Cooperative Alliance for Interventional Research Clinical Trials Network. At Holy Name, he serves on the Patient Safety Committee, the Cancer Committee and the Credentialing Committee.

Dr. Rundback earned his medical degree from SUNY Downstate Medical Center, after which he completed his internship at St. Vincent's Hospital and Medical Center, New York, N.Y. He completed his diagnostic radiology residency at Beth Israel Medical Center, New York, N.Y., where he also served as chief resident, and completed his fellowship in interventional radiology at Washington Hospital Center, Washington, D.C.

Paul Rudolf, MD
Partner
Arnold & Porter LLP, USA

**Panelist:**
*Innovation in Clinical Trial Design*

Paul Rudolf has significant experience in both Medicare and FDA legal, regulatory and policy issues, particularly those relating to counterfeit drugs and radio frequency identification technology as applied to pharmaceuticals and medical devices. He also is widely recognized for his experience with coverage, coding, and reimbursement issues for hospital and physician payment systems under the Medicare payment systems. Dr. Rudolf practiced medicine for more than 15 years and taught at George Washington University before becoming a Medicare Carrier Medical director. He subsequently joined the Centers for Medicare and Medicaid Services where he led policy development for the physician fee schedule and the hospital outpatient prospective payment system, and became recognized for his in-depth experience with coding and reimbursement for Medicare.
Presentation Title: Wound Biofilm Infection

Chandan K. Sen is a tenured John H & Mildred C Lumley Professor of Surgery, Executive Director of The Ohio State University Comprehensive Wound Center and Director of the Ohio State University’s Center for Regenerative Medicine & Cell Based Therapies. Dr. Sen is also the Associate Dean for Industry Partnership at The Ohio State University Wexner Medical Center. He serves as a program director (Innovation & Collaboratory) for The Ohio State University’s Center for Clinical and Translational Science. Dr. Sen represents Medicine and Health Sciences at The Ohio State Global Gateway initiative.

After completing his Master’s of Science in Human Physiology from the University of Calcutta, Dr. Sen received his PhD in Physiology from the University of Eastern Finland (Kuopio). Dr. Sen trained as a postdoctoral fellow at the University of California at Berkeley’s Molecular and Cell Biology department. In fall of 2000, Dr. Sen moved to The Ohio State University where established a program on tissue injury and repair. Currently, Dr. Sen is a Professor and Vice Chair of Research of Surgery.

A major focus on Dr. Sen’s research is to induce tissue plasticity in vivo. He and his collaborators have developed the Tissue Nanotransfection (TNT) technology. Dr. Sen’s interest in electroceuticals have led to the development of electric field based wound dressing, currently used in clinical care, that is capable of managing antimicrobial-resistant biofilm infection. This work was published in 2017 in Annals of Surgery, the top-ranking journal in Surgery.

Dr. Sen serves on the editorial board of numerous scientific journals. He is the Editor in Chief of Antioxidants & Redox Signaling. Dr. Sen and his team have published over 300 scientific publications. He has a H-index of 88 and is currently cited over 2100 times every year for a total of over 28000 times.
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, USA

Panelist:  
Innovation in Clinical Trial Design

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. Dr. Wu is also a highly sought after lecturer at national and international forums and has given over 400 presentations in over 40 countries.
**Poster Presenters**

**Amit Rao**  
*Northwell Health*  
Lake Success, New York  
**Title:** The Use of Indocyanine Green Fluorescence Angiography to Assess Perfusion of Chronic Wounds Undergoing Hyperbaric Oxygen Therapy  
**Title:** Treatment of Chronic Lower Extremity Wounds with High Concentrate Platelet-Rich Plasma

**Boyang Lyu**  
*Department of Electrical and Computer Engineering*  
*Tufts University*  
Medford, Massachusetts  
**Title:** Thread-Based pH-Mapping Smart Bandage for Chronic Wound Monitoring

**Martin J. Winkler, MD, FACS**  
*Creighton University Bergan Mercy Hospital*  
*Advanced Wound Care Center*  
Omaha, Nebraska  
**Title:** Fuzzy Wale Elastic Compression Therapy Enhances Regenerative Healing  
**Title:** Rise of Contact Dressing Clones: Therapeutic Wound Contact Dressings Synergistic with Layered Elastic Compression Therapy to Speed Venous Leg Ulcer Healing
Peter Sheehan
Young Innovator Award Nominee Abstracts

He Zhou
Baylor College of Medicine
Houston, Texas

**Title:** Game-Based Non-Weight Bearing Exercise to Improve Postural Balance in patients with Diabetic Kidney Disease Undergoing Hemodialysis

Javad Razjouyan
Baylor College of Medicine
Houston, Texas

**Title:** Does Physiological Stress Slow Down Wound Healing in Patients with Diabetes?

Katie Springer
Scholl College of Podiatric Medicine at Rosalind Franklin University of Medicine and Science
North Chicago, Illinois

**Title:** A Prospective Cohort Evaluating the Underlying Mechanisms of Transdermal Cutaneous Oxygen Therapy on Chronic Lower Extremity Ulcers

Matthew Diamond
Scholl College of Podiatric Medicine at Rosalind Franklin University of Medicine and Science
North Chicago, Illinois

**Title:** Identification of Biomarkers for Prediction of Healing vs. Non-Healing Chronic Diabetic Foot Ulcers

Mohsen Zahiri
Baylor College of Medicine
Houston, Texas

**Title:** Footwear Intervention to Manage Neuropathy in Patients with Diabetes: The Effect of Daily Plantar Mechanical Stimulation Using an Innovative Micro-mobile Compression Insole

Pallabi Pal
School of Medical Science and Technology, Indian Institute of Technology Kharagpur
West Bengal, India

**Title:** A Readily Available Easy-to-Use Economical Wound Dressing for Faster Healing of Acute/Burn Wound

Sangeetha Vadaske-Madathil
Icahn School of Medicine at Mount Sinai
New York, New York

**Title:** Placental Cdx2 Cells for Cardiac Regeneration

Yunxiao Zhu
Northwestern University Evanston, Illinois

**Title:** A Phase Changing Antioxidant Scaffold Combats Oxidative Islet Damage in vitro and in vivo