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

15th Annual Conference

June 22-25, 2017

Caribe Hilton
San Juan, Puerto Rico
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PROGRAM FOUNDER

Peter Sheehan, MD

PROGRAM COMMITTEE

Lawrence Lavery, DPM, MPH (Chair)
Professor, Plastic Surgery, Orthopaedic Surgery, Physical Medicine & Rehabilitation
University of Texas Southwestern Medical Center
Scientific Advisory Board member, PSDCF

D. Scott Covington, MD, FACS, CHW
Chief Medical Officer
Healogics Inc.
Fellow, American College of Surgeons

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
Scientific Advisory Board member, PSDCF

Tanya Rhodes, PhD
CEO
Rhodes & Associates, Inc.
Scientific Advisory Board member, PSDCF

Lee C. Rogers, DPM
Medical Director
Amputation Prevention Centers of America
Scientific Advisory Board member, PSDCF

Paulita LaPlante, PhD
Board of Director
Vice President, Väsamed, Inc.
President and CEO, PAC Consulting, LLC
Scientific Advisory Board member, PSDCF
ACKNOWLEDGEMENT

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

Platinum

![Acelity](image)

Silver

![Medline](image)

Bronze

![Bovie Medical Corporation](image)  ![CLYRA Medical Technologies Inc](image)  ![MiMedx](image)  ![Osiris Therapeutics, Inc](image)  ![DiamC Healthcare from Head to Toe](image)

Contributors

![Tencure](image)  ![BRH Medical](image)
Exhibitors

Acelity, Inc.
Amniox Medical, Inc.
Bovie Medical Corporation
Medline Industries, Inc.
MiMedx Group, Inc.
Osiris Therapeutics, Inc.

Contributors

Partners
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 7 SYMPOSIA IN HALF-DAY SESSIONS:

- **Friday, June 23, 2017**
  - Session 1 - Novel Concepts in Wound Healing: Regenerative Medicine (Cellular and Tissue-Based)
  - Session 2 - Pitfalls in Wound Care Research

- **Saturday, June 24, 2017**
  - Session 3 - Novel Concepts in Wound Healing: Regenerative Medicine (Non-Cellular)
  - Session 4 - Novel Concepts in Wound Healing: Device and Procedural-Based
  - Session 5 - Amputation in Puerto Rico

- **Sunday, June 25, 2017**
  - Session 6 - Novel Concepts in Wound Healing: Diagnostics, Assessments, and Therapies
  - Session 7 - Telemedicine in Wound Care
# Agenda – 2017 Schedule

## Welcome Day – Thursday, June 22, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>5:00pm – 6:00pm</td>
<td>Registration</td>
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<tr>
<td>6:00pm – 7:30pm</td>
<td>Welcome Reception</td>
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## Day 1 – Friday, June 23, 2017

### Session 1 – Novel Concepts in Wound Healing: Regenerative Medicine (Cellular and Tissue-Based)

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
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</table>
| 7:40am     | Healing of Adult Mammalian Heart through CCNA2 Mediated Dedifferentiation and Cell Division | Amaresh K. Ranjan, PhD  
Postdoctoral Fellow  
Icahn School of Medicine at Mount Sinai, USA |
| 8:00am     | 3D Ink-Jet Printing for Skin Tissue Engineering                       | Thomas Boland, PhD  
Professor in the Department of Metallurgy and Materials Engineering  
University of Texas at El Paso, USA |
| 8:20am     | Clinical Outcome of Two Placental Membranes                           | Alla Danilkovitch, PhD  
Chief Scientific Officer, Osiris Therapeutics, Inc., USA |
| 8:40am     | Skin Insulin Receptor – Friend or Foe                                 | Efrat Wertheimer, MD, PhD  
Dept of Pathology, Sackler School of Medicine  
Tel Aviv University, Israel |
| 9:00am     | Multi-functional Powdered Re-Constitutable Liquid Skin Substitute in Wound Healing | Aziz Gahary, 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 |
| 9:20am     | Q & A                                                                  |                                                                                             |
| 9:40am     | Break / Exhibit                                                        |                                                                                             |
| 10:00am    | Full-thickness Wound Repair with Autologous Micro Skin Columns        | Joshua Tam, PhD  
Instructor, Wellman Center for Photomedicine  
Massachusetts General Hospital, USA |
| 10:20am    | ART: A Revolutionary Approach to Full Thickness Autograft             | Terry Treadwell, MD, FACS  
Medical Director  
Institute for Advanced Wound Care, USA |
| 10:40am    | Scientific Mechanisms Underlying the Efficacy of Purion Processed Amnion/Chorion for Wound Healing | Anna M. Fallon, PhD  
Director of Research  
MiMedx Group, Inc, USA |
### DAY 1 — FRIDAY, JUNE 23, 2017....cont’d

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
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</table>
| 11:00 AM | Placenta-derived Multipotent Cells for Regeneration (Cardiac) and Healing | Sangeetha Vadakke Madathil, PhD  
*Post-Doctoral Fellow, Cardiology Icahn School of Medicine at Mount Sinai, USA* |
| 11:20 AM | Q&A                                                                  |                                                                                                   |
| 11:40 AM | Break / Exhibit                                                      |                                                                                                   |

#### SESSION 2 – PITFALLS IN WOUND CARE RESEARCH

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
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</thead>
</table>
| 12:00 PM | Technology or Clinical Trial Design? Why Do New Innovations Fail in the Therapeutics Field? | Tamar Tennenbaum, MD, PhD  
*Ceo & Founder, TenCure, Israel* |
| 12:20 PM | Clinical Pitfalls of Wound Care and HBOT                              | D. Scott Covington, MD, FACS, CHWS  
*Chief Medical Officer, Healogics Corporation, USA* |
| 12:40 PM | Q&A                                                                  |                                                                                                   |
| 1:00 PM  | Adjourn                                                               |                                                                                                   |

### DAY 2 — SATURDAY, JUNE 24, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>Registration / Breakfast Buffet / Exhibit</td>
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</table>

#### SESSION 3 – NOVEL CONCEPTS IN WOUND HEALING: REGENERATIVE MEDICINE (NON-CELLULAR)

<table>
<thead>
<tr>
<th>Time</th>
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</table>
| 7:30 AM  | Diabetic Wound Infection and Inflammation: Novel Concepts           | Sashwati Roy, PhD  
*Professor, Laser Capture Microdissection, Department of Surgery, The Ohio State University Wexner Medical Center Columbus, OH, USA* |
| 7:50 AM  | Gene Activated Matrices for Bone Regeneration                        | Aliasger K. Salem, PhD  
*Professor of Pharmaceutical Sciences, College of Pharmacy, University of Iowa, USA* |
| 8:10 AM  | Thermoresponsive Regenerative Wound Dressings                       | Guillermo Ameer, Sc.D.  
*Professor of Biomedical Engineering and Surgery, Simpson-Querrey Institute, Chemistry of Life Processes Institute, International Institute for Nanotechnology, Northwestern University, Evanston IL, USA* |
| 8:30 AM  | Sodium Channel Proteins are Novel Targets for the Prevention of Scarring | Seok Jong Hong, PhD  
*Research Assistant Professor, Department of Surgery/Plastic Surgery Division, Northwestern University Feinberg School of Medicine, USA* |
| 8:50 AM  | Q & A                                                                |                                                                                                   |
| 9:10 AM  | Break / Exhibit                                                      |                                                                                                   |
## Session 4 – Novel Concepts in Wound Healing: Device and Procedural-Based

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:30AM</td>
<td>Mechanisms and Novel Therapies for Diabetes Vascular Complications</td>
<td>Ann Marie Schmidt, MD&lt;br&gt;Dr. Iven Young Professor of Endocrinology, Department of Medicine&lt;br&gt;Professor, Departments of Biochemistry and Molecular Pharmacology &amp; Pathology, NYU School of Medicine, USA</td>
</tr>
<tr>
<td>9:50AM</td>
<td>Status of Cell and Gene Therapy in Treating Critical Limb Ischemia and Extremity Wounds</td>
<td>Ken Harris, MSc&lt;br&gt;Principal Advisor&lt;br&gt;CuraSense Advisors, USA</td>
</tr>
<tr>
<td>10:10AM</td>
<td>Electrical Stimulation and its Effectiveness to Manage Neuropathy</td>
<td>Bijan Najafi, PhD&lt;br&gt;Professor of Surgery, Director of Clinical Research, Division of Vascular Surgery and Endovascular Therapy&lt;br&gt;Director of Interdisciplinary Consortium on Advanced Motion Performance (iCAMP)&lt;br&gt;Michael E. DeBakey Department of Surgery&lt;br&gt;Baylor College of Medicine, USA</td>
</tr>
<tr>
<td>10:30AM</td>
<td>Diabetic Neuropathic Pain Treatment - Drugs vs Energy: Is it time for a reassessment?</td>
<td>Adrianna “Patti” Smith, MD&lt;br&gt;V.P. of Clinical Business and Education&lt;br&gt;Regenesis Biomedical, Inc., USA</td>
</tr>
<tr>
<td>10:50AM</td>
<td>The Evolution of Vac/VeraFlo Therapy</td>
<td>Kris Kieswetter, PhD, MBA&lt;br&gt;Senior Director, Research &amp; Technology&lt;br&gt;Acelity, Inc., USA</td>
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<tr>
<td>11:10AM</td>
<td>Q&amp;A</td>
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<tr>
<td>11:30AM</td>
<td>Break / Exhibit</td>
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## Session 5 – Amputation in Puerto Rico

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>11:50PM – 1:00PM</td>
<td>Presentations and Discussions: The Amputation Epidemic in Puerto Rico</td>
<td>Javier Ruiz Aburto, MD, FACS, FICS&lt;br&gt;Cardiovascular Surgeon&lt;br&gt;Endovascular Specialist&lt;br&gt;NACET Program Director&lt;br&gt;Society Prevention Cardiovascular Diseases&lt;br&gt;Save a Leg, Save a Heart, Puerto Rico&lt;br&gt;Michael Forte-Malave, DPM, FAPWCA&lt;br&gt;CEO and President&lt;br&gt;Centro de Curacion de Heridas del Caribe, Puerto Rico</td>
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<tr>
<td>1:00PM</td>
<td>Adjourn</td>
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### Session 6 – Novel Concepts in Wound Healing: Diagnostics, Assessments, and Therapies

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:30 AM</td>
<td>Wound Measurement Options: 2D and the Future with 3D</td>
<td>Jonathan Rosenblum, DPM&lt;br&gt;Director, Diabetic Foot Service&lt;br&gt;Shaarei Zedek Medical Center, Israel</td>
</tr>
<tr>
<td>7:50 AM</td>
<td>J-Plasma: Revolutionary Debridement Technology may become the Standards for Elimination of Biofilm and Resistant Bacteria</td>
<td>Jeffrey A. Niezgoda, MD, FACHM, MAPWCA, CHWS&lt;br&gt;President &amp; Chief Medical Officer&lt;br&gt;AZH Wound &amp; Vascular Centers&lt;br&gt;WebCME, Inc., USA</td>
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<td>8:10 AM</td>
<td>Concentrated Surfactant Technologies (CST) – What is it?</td>
<td>Gregory Schultz, PhD&lt;br&gt;UF Research Foundation, Professor, Department of Obstetrics and Gynecology, Institute for Wound Research&lt;br&gt;University of Florida, USA</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Anti-Infective and Biofilm Therapy</td>
<td>Brock A. Liden, DPM&lt;br&gt;President &amp; CEO&lt;br&gt;Cutting Edge Research LLC, USA</td>
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<tr>
<td>8:50 AM</td>
<td>Q&amp;A</td>
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<tr>
<td>9:10 AM</td>
<td>Break / Exhibit</td>
<td></td>
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<tr>
<td>9:30 AM</td>
<td>Negative Pressure Wound Therapy Effects on Wound Perfusion and Bacterial Burden</td>
<td>Ian Gordon, MD, PhD, FACS&lt;br&gt;Clinical Professor of Surgery, University of California&lt;br&gt;Irvine, Chief Vascular Surgery&lt;br&gt;Long Beach VA Medical Center, USA</td>
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<tr>
<td>9:50 AM</td>
<td>Collagen/ORC: Compatibility with NPWT</td>
<td>Kris Kieswetter, PhD, MBA&lt;br&gt;Senior Director, Research &amp; Technology&lt;br&gt;Acelity, Inc., USA</td>
</tr>
<tr>
<td>10:10 AM</td>
<td>Novel Hydrogel: Oxygen Free Radical Scavenger Polymer</td>
<td>Jeffrey A. Niezgoda, MD, FACHM, MAPWCA, CHWS&lt;br&gt;President &amp; Chief Medical Officer&lt;br&gt;AZH Wound &amp; Vascular Centers&lt;br&gt;WebCME, Inc., USA</td>
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<tr>
<td>10:30 AM</td>
<td>Q&amp;A</td>
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### Session 7 – Telemedicine in Wound Care

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<tr>
<td>10:50 AM</td>
<td>Towards an integrated International Diabetes Module in the Clouds: The DiaTele Model</td>
<td>Jonathan Rosenblum, DPM&lt;br&gt;Director, Diabetic Foot Service&lt;br&gt;Shaarei Zedek Medical Center, Israel</td>
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<tr>
<td>11:10 PM</td>
<td>Q&amp;A</td>
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<tr>
<td>11:25 PM</td>
<td>Closing Remarks</td>
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<tr>
<td>11:30 PM</td>
<td>Conference Concludes</td>
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Program Chairman

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.
Scott Covington, Executive Vice President of Medical Affairs and Medical Advisory Board member for Healognics™, 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.

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. Professor Herman 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 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. 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.
Paulita LaPlante is former CEO of Vasämed and now a Consultant for the company. 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.

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.

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.

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Chemistry of Life Processes Institute
International Institute for Nanotechnology
Northwestern University, Evanston IL, USA

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Feinberg School of Medicine, USA

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Massachusetts General Hospital, USA

Sashwati Roy, PhD
Professor
Director Laser Capture Microdissection
Department of Surgery
The Ohio State University
Wexner Medical Center
Columbus, OH, USA

Tamar Tennenbaum, MD, PhD
CEO & Founder
TenCure, Israel

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University of Iowa, USA

Terryl Treadwell, MD, FACS
Medical Director
Institute for Advanced Wound Care, USA

Gregory Schultz, PhD
UF Research Foundation Professor
Department of Obstetrics and Gynecology
Institute for Wound Research
University of Florida, USA

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Sackler School of Medicine
Tel Aviv University, Israel

Ann Marie Schmidt, MD
Dr. Iven Young Professor of Endocrinology, Department of Medicine
Professor, Departments of Biochemistry and Molecular Pharmacology & Pathology
NYU School of Medicine, USA
Javier Ruiz Aburto, MD, FACS, FICS
Cardiovascular Surgeon
Endovascular Specialist
NACET Program Director
Society Prevention Cardiovascular Diseases
Save a Leg, Save a Heart

Javier Ruiz Aburto is a Cardiovascular and Endovascular cardiothoracic Interventional Specialist. Dr. Aburto followed studies in Medicine at the Autonomous University of Mexico, performing his internships in the Presbyterian Medical Center in Colorado, Manchester Memorial Hospital in Connecticut and Baylor College of Medicine in Texas. In addition, He did his residency in General Surgery at the University of Michigan in St. Joseph Mercy Hospital. Then he continued his training in Cardiovascular and Cardiothoracic Surgery at the Texas Heart Institute of St. Luke’s Episcopal Hospital. Currently, Dr. Ruiz has a private practice located in Rovira Office Park Building in Ponce, Puerto Rico.

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

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.

Thomas Boland, PhD
Professor in the Department of Metallurgy and Materials Engineering
University of Texas

Thomas Boland is a Professor in the Department of Metallurgy and Materials Engineering at the University of Texas at El Paso. He also serves as the Founding Director of UTEP’s Biomedical Engineering Program. Dr. Boland received a Bachelor of Engineering in Chemical Engineering from the National Polytechnic Institute, Toulouse, France, and a Ph.D. in Chemical Engineering from the University of Washington in 1995. Dr. Boland has developed visionary and vibrant research programs in biomedical engineering, at the interface of materials science, nanotechnology and biology. He has over 100 peer-reviewed publications in the aforementioned outlined areas of research, resulting from projects funded by the National Science Foundation, the National Institutes of Health, the state of Texas, and a number of national and international institutions, private and public. Dr. Boland currently serves as the Student Training Core Director of the NIH funded BUILDing Scholars traineeship.

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

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 Stravin 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.

Anna M. Fallon, PhD
Director of Research
MiMedx Group, Inc.

Anna Fallon is the Director of Research at MiMedx and is responsible for preclinical research aimed at evaluating MiMedx products. She received her PhD in Chemical Engineering from the Georgia Institute of Technology with a focus on prosthetic heart valves and blood biochemistry. Prior to joining MiMedx, Dr. Fallon directed cardiovascular research at CorMatrix Cardiovascular launching multiple products for cardiovascular repair. She is also an inventor on several issued and pending patents for the use of xenogeneic tissue for cardiovascular repair.
Michael Forte-Malave, DPM, FAPWCA  
CEO and President  
Centro de Curacion de Heridas del Caribe  

Michael Forte-Malave received his degree of Doctor of Podiatric Medicine from Barry University in Miami. He participated in research with bovine collagen treatments for wounds at the Miami Heart Institute. Dr. Forte-Malave’s post-graduate training include a Foot and Ankle Surgery Residency at the West Roxbury VA Medical Center affiliated with the University of Harvard Medical School in Boston, MA, and extensive training in Diabetic Foot Reconstruction and Salvage at the Joslin’s diabetes Center. In 2012, he became the first physician trained in LUNA in Puerto Rico and brought this technology to the Wound Care Center at Buen Samaritano Hospital in Puerto Rico. Dr. Forte-Malave carries out extensive training of interns and residents in several hospitals in Puerto Rico. He is currently involved in various FDA-sponsored studies in the field of wound care.

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  

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. Aziz 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 reconstituteable liquid skin substitute to be used for non-healing wounds such as diabetic wounds and pressure ulcers.

Ian Gordon, MD, PhD, FACS  
Clinical Professor of Surgery, University of California Irvine  
Chief Vascular Surgery Long Beach VA Medical Center  

Ian Gordon earned his undergraduate degree in molecular biology at Yale, M.D., Ph.D. (Experimental Pathology) at USC, and completed general surgery residency at UC Irvine. He is Clinical Professor of Surgery at UC Irvine and Chief of Vascular Surgery at the Long Beach VA. Dr. Gordon has participated in many multicenter trials as well as his own clinical investigations. His primary research interest is negative pressure wound therapy, particularly effects on wound perfusion.

Seok Jong Hong, PhD  
Research Assistant Professor  
Department of Surgery/Plastic Surgery Division  
Northwestern University, Feinberg School of Medicine  

Seok Jong Hong is currently a Research Assistant Professor in the Division of Plastic Surgery at Northwestern University Feinberg School of Medicine. He also co-directs the Laboratory for Tissue Repair and Regenerative Surgery at Northwestern. Dr. Hong performed research to further understand the processes of wound healing and hypertrophic scar formation as co-investigator or principal investigator. He has developed several in vivo and in vitro animal models.

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

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.
Brock A. Liden, DPM  
President & CEO  
Cutting Edge Research LLC.

Brock A. Liden received his degree from the Ohio College of Podiatric Medicine and served his residency at the Veterans Medical Center in Cleveland, Ohio. He worked in the Columbus Ohio-area for 19 years. Dr. Liden is board certified in Podiatric Medicine, Wound Care, and Prevention and Treatment of Diabetic Wounds and Diabetic Footwear. He is actively engaged in clinical research and product research & development. Dr. Liden’s areas of specialty include limb salvage, diabetic ulcer care, wound card, Achilles tendon repair, sports medicine, dermal substitutes, and collagen products. He launched Grajacket, Expansion Grafter and Endoform nationally and recently developed an off-loading system for DFUs.

Sangeetha V. Madathil, PhD  
Post-Doctoral Fellow  
Cardiology Icahn School of Medicine at Mount Sinai

Sangeetha Vadakke Madathil completed her Ph.D. degree in Biotechnology from National Centre for Cell Science, Pune, India in 2011, where she specialized in Hematopoietic Stem cell expansion, cryopreservation and transplantation of human Cord blood stem cells. Dr. Madathil currently studies the impact of “fetal maternal stem cell transfer in cardiac repair” as a Post-doctoral fellow at the laboratory of Dr. Hina Chaudhry at Icahn School of Medicine at Mount Sinai, New York. Her current work demonstrated, for the first time, that fetal progenitors derived from Cdx2 lineage “home” to injured maternal heart and form cardiomyocytes to facilitate healing and regeneration. Her future studies aim to translate these findings to develop a novel human cell therapeutic strategy for cardiac repair.

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 received multiple prestigious award, including the Influential Health and Medical Leaders award in the category of achievement in designing medical devices.

Jeffrey A. Niezgoda, MD, FACHM, MAPWCA, CHWS  
President & Chief Medical Officer  
AZH Wound & Vascular Centers  
WebCME, Inc.

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 M.D. 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.

Amaresh K. Ranjan, PhD  
Postdoctoral Fellow  
Icahn School of Medicine at Mount Sinai

Amaresh Ranjan has research experiences in diabetes, vascular tissue engineering and regenerative biology. He received his Ph.D. in Biotechnology from National Centre for Cell Science, Pune, India. Dr. Ranjan’s research work in the field of vascular tissue engineering focused on isolation and culture of human endothelial progenitor (EPC) cells from adult human blood vessels. He optimized a new method to maintain and culture EPCs in vitro. Dr. Ranjan also used these EPCs to generate tissue engineered artificial blood vessel prostheses, which showed higher patency than control prostheses (PLoS One 4(11):e7718). Currently, he is pursuing a postdoctoral training in Cardiac Regeneration at Icahn School of Medicine at Mount Sinai, New York, USA. His project is focused on understanding the cell cycle and de-differentiation of adult mammalian cardiac cells for development of regenerative therapy for heart disease.
Jonathan Rosenblum, DPM  
Director, Diabetic Foot Service  
Shaarei Zedek Medical Center  
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. He seats on the PSDCF’s Global Project and Initiative Board.

Sashwati Roy, PhD  
Professor  
Director, Laser Capture Microdissection  
Department of Surgery  
The Ohio State University Wexner Medical Center  
Sashwati Roy is a Professor of Surgery and Director of laser capture Molecular Analysis facility at the Ohio State University Columbus Ohio. She received her PhD in 1994 in Physiology and Environmental Sciences. She completed her postdoctoral training from University of California, Berkeley. She is an expert in significance of macrophage and inflammation in chronic wounds. Her research interest include wound inflammation, mechanisms of resolution of diabetic wound inflammation, role of miRNA in tissue repair processes. Their laboratory was first to were the first to identify that engulfment of apoptotic cells by wound macrophages serves as a major molecular cue that drives resolution of inflammation and impairment of this pathway in diabetic ulcers. Dr. Roy has over 190 peer review publications. Dr. Roy’s research is currently focused on utilizing drug delivery and nanotechnology in scaffold design to facilitate wound healing and tissue engineering.

Ann Marie Schmidt, MD  
Dr. Iven Young Professor of Endocrinology, Department of Medicine Professor, Departments of Biochemistry and Molecular Pharmacology & Pathology Director, Diabetes Research Program, Department of Medicine  
NYU School of Medicine  
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. Dr. Schmidt’s laboratory discovered the multi-ligand receptor RAGE and her findings that RAGE bound advanced glycation endproducts, S100/calgranulins, high mobility group box-1 and amyloid–peptide and–sheet fibrils opened up novel areas for research in diabetes and its complications, inflammation, autoimmunity, tumor biology and amyloidoses. She has led studies using cellular and animal models to delineate key roles for RAGE signaling in these disorders, as blockade of RAGE or genetic deletion of the receptor exerts protective effects in murine models of diabetes macro- and microvascular complications, and in inflammatory settings.

Aliasger K. Salem, PhD  
Professor of Pharmaceutical Sciences  
College of Pharmacy  
University of Iowa  
Aliasger Salem is the Bighley Chair and Professor of Pharmaceutical Sciences. Dr. Salem is the Head of the Division of Pharmaceutics and Translational Therapeutics (PTT) at The University of Iowa College of Pharmacy. Since 2012, he has also been Leader of the Experimental Therapeutics Program at the Holden Comprehensive Cancer Center (HCCC), University of Iowa Hospitals and Clinics. Dr. Salem was educated in Applied Chemistry at Aston University of Science and Technology, Birmingham, UK (BSc 1998). He received his Ph.D. in Pharmacy at the University of Nottingham, UK in 2002. His research is currently focused on utilizing drug delivery and nanotechnology in scaffold design to facilitate wound healing and tissue engineering.

Gregory Schultz, PhD  
UF Research Foundation Professor  
Department of Obstetrics and Gynecology  
Institute for Wound Research  
University of Florida  
Gregory Schultz is a Professor of Obstetrics and Gynecology and Director of the Institute for Wound Research at the University of Florida. Dr. Schultz completed a PhD in Biochemistry from Oklahoma State University and Postdoctoral training in Cell Biology at Yale University. His research focuses on defining the molecular regulation of normal wound healing and identifying the molecular imbalances that lead to fibrosis or to chronic wounds, with an emphasis on bacterial biofilms and rapid, point-of-care detectors for biomarkers. Dr. Schultz has published over 300 research papers, chapters and review articles, which have been cited more than 7,000 times. He has served as PI or Co-investigator on grants totaling over $35 million. He is an inventor on 22 patents and co-founder of two biotech companies in the area of wound healing.
Adrianne (Patti) Smith, MD  
VP of Clinical Business and Education  
Regenesis Biomedical, Inc.

Adrianne Smith has a passion for developing best clinical practices to improve patient access to advanced therapies. She gained industry experience in her positions as Vice President and Medical Director at Kinetic Concepts Inc. (KCI), providing medical support for clinicians using the wound V.A.C.*, and Senior Medical Advisor at Diversified Clinical Services (DCS), now merged into Healogics, supporting the clinical outreach of the largest US wound care and hyperbaric oxygen management company. Dr. Smith’s academic appointments have included: the University of Texas Health Science Center Emergency Department, where she served as the Quality Risk Management Director; the Chief of Emergency Services for Scott Air Force Base; and the Medical Director of the Texas Diabetes Institute Hyperbaric Medicine and Wound Care Center. She is a graduate of Duke University and Washington University Medical School, and has authored numerous publications.

Joshua Tam, PhD  
Instructor, Wellman Center for Photomedicine  
Massachusetts General Hospital

Joshua Tam is an Instructor at the Wellman Center for Photomedicine, Massachusetts General Hospital, where he spearheaded the development of the “tissue copying” technology – the harvesting and grafting of sub-millimeter cores of autologous, full-thickness skin tissue, to enhance wound healing while minimizing donor site morbidity. He was awarded the 2016 Wound Healing Foundation 3M Fellowship for his work.

Tamar Tennenbaum, MD, PhD  
CEO & Founder  
Arava Bio-Tech, Inc.

Tamar Tennenbaum is the founder and CEO of Arava Bio-Tech, Ltd. She is an established biotech entrepreneur, a physician and a scientist specializing in discovery and development of innovative pharmaceuticals addressing major medical needs in the fields of wound healing, Oncology and Dermatology. Dr. Tennenbaum holds an MD from the Hebrew University Hadassah Medical School, Jerusalem in Israel, and a PhD in cell biology and pharmacology from the Pharmacology Department at the Hebrew University, Jerusalem in Israel. Dr Tennenbaum led the successful translation of advanced leading drug candidates from scientific research at preclinical stage to Phase 3 clinical trials in various wound healing indications. Dr. Tennenbaum is the laureate of prestigious awards and grants and an author of over 50 scientific publications and book chapters in peer review journals. She is the Director of PSDCF Israel.

Terry Treadwell, MD, FACS  
Medical Director  
Institute for Advanced Wound Care

Terry Treadwell is the founder and Medical Director, Institute for Advanced Wound Care; directs numerous educational and research initiatives, wound care educational programs, and courses on therapies of acute and chronic wounds; co-established wound treatment centers in Ghana, Africa, and Haiti; Clinical Editor, Wounds magazine; two-term Physician Member of the Association for the Advancement of Wound Care Board of Directors; past President, AAWC; VP, Board of Directors, and President-Elect, World Alliance for Wound and Lymphedema Care.

Efrat Wertheimer, MD, PhD  
Department of Pathology  
Sackler School of Medicine  
Tel Aviv University, Israel

Efrat Wertheimer is a leading researcher in the field of Diabetes, Insulin and Insulin Receptors, wound healing and skin pathology. She is an associate professor in the Department of Pathology, Sackler School of Medicine, Tel-Aviv University. Dr. Wertheimer holds a M.D from Tel Aviv University, and Ph.D from the Dept. of Endocrinology and Metabolism, from the Hebrew University, Hadassah Medical Center, Jerusalem. Dr. Wertheimer is the laureate of prestigious awards and grants, including the Wolfson fellowship award, the American Physician Fellowship - Kass Fund Award for Medical Research, JDRF career development award, and ISF, ICRF, IDDT, JDRF, D-CURE and DKFZ research grants, and is an author over 50 scientific publications and book chapters in peer review journals.