



## Gold Sponsors

**Medtronic**



**Friday, October 2**

**10:30 a.m. – 1:00 p.m. PT**  
**BIOINTERFACE WORKSHOP**

Entrepreneurship in Surface Science  
*Co-Chairs: Landon Nash, Shape Memory and Chris Jenney*

**Curtis Herbert**, Themelios Coaching LLC  
“Patent milestones and millstones for founders”

**Duncan Maitland**, Texas A&M University  
“Building commercial translation infrastructure”

**Wednesday, October 7**

**12:30 p.m. – 2:00 p.m. PT**  
**Session: Surface modifications and coatings**

*Co-Chairs: Lijun Zou, W.L. Gore & Associates, Inc. and Kris Lavery, Verily Life Sciences*

**Yi Chen**, Nanoengineering, University of California-San Diego  
“Clathrin patch mimicking through DNA self-assembly”

**Bob Hergenrother**, Biocoat, Inc.  
“Effect of sterilization on hydrophilic coatings”

**Kevin Chen**, Medical Surface Inc.  
“A multifaceted approach to develop and optimize surface coatings for diverse medical devices”

**Wednesday, October 14**

**10:30 a.m. – 12:30 p.m. PT**  
**Session: Interface of biomaterials**

*Co-Chairs: Tim Bloomquist, IsurTec, Inc. and Abraham Joy, Polymer Science University of Akron*

**David Vachon**, Iasis Molecular Sciences  
“In vitro and in vivo evaluations of novel antimicrobial composites for aiding healing and preventing the colonization of urological devices”

**Yun Qian**, University of Central Florida  
“Synthesis and characterization of NO-releasing functionalities to prepare antibacterial silicone infused biomaterial interfaces”

**Emma Garci**, IsurTec, Inc.  
“Electrospinning novel biointerfaces to enhance tissue integration for musculoskeletal and neurological applications”

**Chandru RamaSubramaniam**, Medtronic Inc.  
“Design considerations for the development of radiopaque medical devices”

**Register for an unlimited pass to all sessions.**  
**\$149 for SIBF Members.**  
**\$199 for Non-Members.**

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- View all sessions and ask questions throughout the month of October.

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## Friday, October 16

**10:30 a.m. – 11:30 a.m. PT**

### **Excellence in Biomaterials Science Award Winner**

#### **Robert Langer**

Robert Langer is one of 12 Institute Professors at the Massachusetts Institute of Technology (MIT)

“Biomaterials and biotechnology: From the discovery of the first angiogenesis inhibitors to the development of controlled drug delivery systems and the foundation of tissue engineering”

**11:30 a.m. – 12:00 p.m. PT**

### **Happy Hour**

**12:00 p.m. – 1:30 p.m. PT**

### **Session: Drug delivery**

*Co-Chairs: Gaurav Sahay, Oregon State University and Joe Chinn, J Chinn LLC*

**Daniel Siegwart**, Department of Biochemistry at UT Southwestern Medical Center

“Selective ORgan Targeting (SORT): A strategy for effective tissue specific mRNA delivery and CRISPR/Cas gene editing”

**Yizou Dong**, College of Pharmacy, The Ohio State University

“Development of nanomaterials for mRNA therapeutics, genome editing and cell therapy”

**Gaurav Sahay**, College of Pharmacy, Oregon State University

“Rapid in-vivo generation of decoy ACE2 using mRNA nanotherapeutics for the potential treatment of SARS-CoV-2”

## Friday, October 23

**10:00 a.m. – 11:00 a.m. PT**

**Keynote Speaker – Bob Ward**, President and CEO of Exthera Medical

**11:00 a.m. – 12:30 p.m. PT**

### **Session: Tissue engineering and regenerative medicine**

*Co-Chairs: Rob Diller, Amnio Technology and Chander Chawla, DSM Biomedical Inc.*

**Elizabeth Cosgriff-Hernandez**, The University of Texas at Austin

“Engineered matrices to improve bone regeneration with the Masquelet technique”

**Joachim Kohn**, Department of Chemistry and Chemical Biology, Rutgers University

“Materiobiology: An emerging field of research”

**Lumei Liu**, The Abigail Wexner Research Institute at Nationwide Children’s Hospital

“Modulation of tissue-engineered tracheal grafts using composite extracellular matrix-polymer scaffolds”

**Exhibit and Sponsor virtually through the SIBF Socio App.**

**Session Sponsor: \$500**

**Exhibit: \$250**

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**Wednesday, October 28**

**10:30 a.m. – 12:00 p.m. PT**

**Session: Analytical tools**

*Co-Chairs: Aaron Cassely, EAG, Mourad Rahi, American Preclinical Services and Joshua Schmidt, SenzaGen, Inc.*

**Ted Heise, MED Institute**

“ISO 10993-18; Implementing chemical characterization in support of the biological evaluation of medical devices”

**Joshua Schmidt, SenzaGen, Inc.**

“Leveraging in vitro to forecast in vivo success”

**Mourad Rahi, American Preclinical Services**

“Extractable & leachables and particulates analysis: importance of sample preparation, data collaboration and interpretation”

**2020 Program Committee**

**Tim Bloomquist**, IsurTec, Inc.

**Aaron Cassely**, EAG

**Chander Chawla**, DSM Biomedical

**Joe Chinn**, J Chinn LLC

**Angela DiCiccio**, Verily Life Sciences

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