

Roundtable on Biomedical Engineering Materials and Applications

Agenda

The National Academies
Keck Center
500 5th Street NW, Washington, DC 20001
Room 208
November 12, 2018

“Medical Product Infection and Fouling”

Sunday, November 11

Working Dinner (Chop House Restaurant, 509 7th St., NW. Washington D.C.
Seating @ 6:00 p.m.)

After Dinner Talk:

Maria Macuare Gorden, MD, Boston Scientific Corporation
“Cardiac Implantable Devices Infection: Causes, Clinical Repercussion and Management”

Monday, November 12

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| 8:00 a.m. | Breakfast |
| 8:30 a.m. | Welcome and Introductions
Becky Bergman, Art Coury, BEMA Co-Chairs |
| 8:40 a.m. | Satish Pulapura, Medtronic, Inc.
“TYRX™ Absorbable Antibacterial Envelope – from the Bench to WRAP-IT” |
| 9:30 a.m. | Thomas Webster, Northeastern University
"Inhibiting Bacteria Growth with Nanotechnology, Not Antibiotics". |
| 10:20 a.m. | Break |
| 10:35 a.m. | Jonathan Zhang, LiquiGlide, Inc
Dave Smith, LiquiGlide, Inc
“Reducing Thrombus Formation and Biofouling on Medical Devices with Liquid-Impregnated Surfaces” |
| 11:25 a.m. | Lunch |
| 12:00 p.m. | Dustin Williams, University of Utah
“Targeting Biofilms in Translational Research and Device Development” |

- 12:50 p.m. Sumner Barenberg, Northeastern University
“Self-sterilizing biomaterials S.A. Barenberg”
- 1:40 p.m. Break
- 1:55 p.m. Shani Haugen, FDA
“FDA Perspective on Device-Associated Infections”
- 2:45 p.m. Omar Zalatimo, LifeBridge Health Sinai Hospital, Baltimore, MD
“Neurosurgical Implant Infection Prevention: Neuromodulation & Spinal Fusion”
- 3:35 p.m. Jasmine Patel, CASE
“Perspectives on Infection Mechanisms of Cardiovascular Devices”
- 4:20 p.m. Rapporteur Report, Andrew Spencer, Rapporteur
- 4:50 p.m. Future Meeting Planning
- 5:00 p.m. Adjourn