

## Draft Agenda

### NIH-IEEE Special Topics Conference on Healthcare Innovations and Point of Care *Technologies: Technology in Translation*

November 6-8, 2017  
NIH Natcher Conference Center (Building 45), NIH Bethesda Campus, MD

#### Monday November 6, 2017

8:00 – 8:30 AM <b>Reception</b>
8:30 – 8:45 AM <b>Welcome and Overview of the Conference Goals</b> George Mensah, MD, FACC (NHLBI) Atam Dhawan, PhD (NJIT)
8:45 – 9:45 AM <b>Keynote – Precision Health</b> Gary H. Gibbons, MD, Director, National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH)
9:45 – 10:45 AM <b>Panel Session I</b> <b>Clinical Needs Driving Technology Innovation for Precision Health</b> Steven Schachter, MD, CIMIT, Harvard Medical School (Chair) Srinidhi Tridandapani, MD, PhD, Emory University Michael Lauer, MD, Deputy Director for Extramural Research, NIH
10:45 – 11:00 AM <b>Coffee Break</b>
10:45 – 11:45 PM <b>Panel Session II</b> <b>Enabling Technologies: Point-Of-Care Monitoring and Diagnosis</b> Paul Yager, PhD, University of Washington (Chair) Nirmala Ramanujam, PhD, Duke University Shivkumar Sabesan, PhD, Verily Life Sciences, LLC, Google
11:45 – 1:45 PM <b>Lunch, Poster and Demo Session, POC Technologies Demonstrations</b>
1:45 – 2:45 PM <b>Panel Session III</b> <b>Translation and FDA Regulatory Issues for POC Technologies</b> Jue Chen, PhD, NHLBI, NIH (Moderator) Irene Tebbs, PhD, U.S. Food and Drug Administration Cindy Flacks, MPH, MT (ASCP), Centers for Medicare and Medicaid Services John Garguilo, MS, National Institute of Standards and Technology

<p>2:45 – 3:45 PM</p> <p><b>Panel Session IV</b></p> <p><b>Big Data Analytics in Precision Health</b></p> <p>William Riley, PhD, Office of Behavioral and Social Sciences Research, NIH (Chair)</p> <p>Zachary G. Ives, PhD, University of Pennsylvania</p> <p>Lucila Ohno-Machado, MD, PhD, University of California San Diego School of Medicine</p>
<p>3:45 – 4:00 PM</p> <p><b>Break</b></p>
<p>4:00 – 5:30 PM</p> <p><b>Panel V: Funding Opportunities and Resources</b></p> <p>Tiffani Lash, PhD, NIBIB, NIH (Chair)</p> <p>Wendy Nilsen, PhD, Program Director, National Science Foundation (NSF)</p> <p>Col. Daniel R. Kral, Director, Telemedicine &amp; Advanced Technology Research Center (TATRC) USA Medical Research and Materiel Command</p> <p>Rachael Hagan, Senior Director, Walter H. Coulter Translational Partnership Fund</p>
<p>6:30 – 8:30 PM</p> <p><b>Reception</b></p> <p>IEEE/EMBS</p>

**Tuesday, November 7, 2017**

<p>8:00 – 8:30 AM</p> <p><b>Reception</b></p>
<p>8:30 – 9:30 AM</p> <p><b>Keynote – POC Technologies: Translation to Market</b></p> <p>George Whitesides, PhD, Harvard University</p>
<p>9:30 – 10:45 AM</p> <p><b>Panel Session VI</b></p> <p><b>Global Healthcare and POC Technologies</b></p> <p>Paul Pearlman, PhD, NCI, NIH (Moderator)</p> <p>Jim Gallarda, PhD, the Gates Foundation</p> <p>Eche Ezeanolue, MD, MPH, University of Nevada</p> <p>Monica Kerrigan, MPH, Jhpiego</p> <p>Moka Lantum, MD, PhD, MicroClinic Technologies, Kenya</p>
<p>10:45 – 11:00 AM</p> <p><b>Break</b></p>

<p>11:00 – 12.00 PM</p> <p><b>Panel VII</b></p> <p><b>Bench to Market: Standards and Regulatory Considerations</b></p> <p>Carole Carey, BSEE, MEng, C3-Carey Consultants, LLC (Chair)</p> <p>Julian Goldman, MD, Harvard Medical School, Massachusetts General Hospital (MGH)</p> <p>Jeffrey Kaye, MD, Oregon Health &amp; Science University (OHSU)</p> <p>Michael Fisher, Global Center for Medical Innovation (GCMi)</p>			
<p>12.00– 2.00 PM</p> <p><b>Lunch Break, Poster Session, POC Technologies Demonstrations</b></p>			
Track 1	Track 2	Track 3	Track 4
<p>2.00 – 3:30 PM</p> <p><b>Breakout Session 1</b></p> <p><b>Developing Internal and External Resources For Translation</b></p> <p>Co-Chairs:</p> <p>Jodi Black, PhD, OER, NIH</p> <p>Matthew McMahon, PhD, NHLBI, NIH</p>	<p>2.00 – 3:30 PM</p> <p><b>Breakout Session 2</b></p> <p><b>Clinical Translational Challenges</b></p> <p>Co-Chairs:</p> <p>Steven Schechter, MD, CIMIT</p> <p>Edward Livingston, MD, JAMA</p>	<p>2.00 – 3:30 PM</p> <p><b>Breakout Session 3</b></p> <p><b>Technology Translation and Regulatory Issues</b></p> <p>Co-Chairs:</p> <p>Jeffrey Kaye, MD, OHSU</p> <p>Michael Fisher, MS, GCMi</p>	<p>2.00 – 3:30 PM</p> <p><b>Breakout Session 4</b></p> <p><b>Validation, Standards and Security</b></p> <p>Co-Chairs:</p> <p>Julian Goldman, MD, MGH</p> <p>Wendy Nilsen, PhD, NSF</p>
<p>3.30 – 3.45 PM</p> <p><b>Break</b></p>			
<p>3.45 – 5.30 PM</p> <p><b>Technical Session 1</b></p> <p><b>Developing Internal and External Resources For Translation</b></p> <p>Co-Chairs:</p> <p>Jodi Black, PhD, OER, NIH</p> <p>Matthew McMahon, PhD, NHLBI, NIH</p>	<p>3.45 – 5.30 PM</p> <p><b>Technical Session 2</b></p> <p><b>Clinical Translational Challenges</b></p> <p>Co-Chairs:</p> <p>Steven Schechter, MD, CIMIT</p> <p>Edward Livingston, MD, JAMA</p>	<p>3.45 – 5.30 PM</p> <p><b>Technical Session 3</b></p> <p><b>Technology Translation and Regulatory Issues</b></p> <p>Co-Chairs:</p> <p>Jeffrey Kaye, MD, OHS</p> <p>Michael Fisher, MS, GCMi</p>	<p>3.45 – 5.30 PM</p> <p><b>Technical Session 4</b></p> <p><b>Validation, Standards and Security</b></p> <p>Co-Chairs:</p> <p>Julian Goldman, MD, MGH</p> <p>Wendy Nilsen, PhD, NSF</p>

**Wednesday, November 8, 2017**

8:00 – 8:30 AM <b>Reception</b>			
8:30 – 9:30 AM <b>Keynote – Precision Medicine Cohort Program</b> Eric Dishman, Director, Precision Medicine Cohort Program, NIH			
Track 1	Track 2	Track 3	Track 4
9:30 – 11:00 AM <b>Technical Session</b>	9:30 – 11:00 AM <b>Technical Session</b>	9:30 – 11:00 AM <b>Technical Session</b>	9:30 – 11:00 AM <b>Technical Session</b> <b>Student Paper</b> <b>Competition</b>
11:00 – 11:15 AM <b>Break</b>			
11:15 – 12:30 PM <b>Panel VIII</b> <b>Strategic Future Directions Panel Discussion</b> Reports from Chairs, Breakout Sessions Student Paper/Design Awards  Atam Dhawan, PhD, NJIT (Moderator) George Mensah, MD, NHLBI, NIH Jodi Black, PhD, NIH Tiffani Lash, PhD, NIBIB, NIH Jue Chen, PhD, NHLBI, NIH Paul Pearlman, PhD, NCI, NIH Jim Gallarda, PhD, Bill & Melinda Gates Foundation Edward Livingston, MD, JAMA Jeffrey Kaye, MD, OHS Julian Goldman, MD, MGH Steven Schachter, MD, CIMIT Srini Tridandpani, MD, Emory University			

<p><b>Post-Conference Special Workshop</b> 12.30 PM – 3.30 PM <b>From New Technology to Randomized Clinical Trials - Navigating the Health IT and Point of Care Technology Funding Landscape</b>  Workshop Leaders: Wendy Nilsen, PhD, NSF, Erin Iturriaga, BS, MSN, NIH</p>
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