

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

All sessions will be held in the Auditorium unless otherwise noted

Monday November 6, 2017

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| 7:30 AM – 5:30 PM Registration - Auditorium Foyer |
| 8:30 – 8:45 AM Welcome and Overview of the Conference Goals George Mensah, MD, FACC (NHLBI) Atam Dhawan, PhD (NJIT) |
| 8:45 – 9:45 AM Keynote – Precision Health Gary H. Gibbons, MD, Director, National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH) |
| 9:45 – 10:45 AM Panel Session I Clinical Needs Driving Technology Innovation for Precision Health 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 Coffee Break - Auditorium Foyer |
| 10:45 – 11:45 PM Panel Session II Enabling Technologies: Point-Of-Care Monitoring and Diagnosis Paul Yager, PhD, University of Washington (Chair) Nimmi Ramanujam, PhD, Duke University Shivkumar Sabesan, PhD, Verily Life Sciences, LLC, Google |
| 11:45 – 1:45 PM Lunch, Poster and Demo Session, POC Technologies Demonstrations Upper level Atrium Space |
| 1:45 – 2:45 PM Panel Session III Translation and FDA Regulatory Issues for POC Technologies Jue Chen, PhD, NHLBI, NIH (Moderator) Irene Tebbs, PhD, U.S. Food and Drug Administration |

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| <p>Cindy Flacks, MPH, MT (ASCP), Centers for Medicare and Medicaid Services John Garguilo, MS, National Institute of Standards and Technology</p> |
| <p>2:45 – 3:45 PM Panel Session IV Big Data Analytics in Precision Health William Riley, PhD, Office of Behavioral and Social Sciences Research, NIH (Chair) Zachary G. Ives, PhD, University of Pennsylvania Lucila Ohno-Machado, MD, PhD, University of California San Diego</p> |
| <p>3:45 – 4:00 PM Coffee Break - Auditorium Foyer</p> |
| <p>4:00 – 5:30 PM Panel V: Funding Opportunities and Resources Tiffani Lash, PhD, NIBIB, NIH (Chair) Wendy Nilsen, PhD, Program Director, National Science Foundation (NSF) Col. Daniel R. Kral, Director, Telemedicine & Advanced Technology Research Center (TATRC) USA Medical Research and Materiel Command Rachael Hagan, Senior Director, Walter H. Coulter Translational Partnership Fund</p> |
| <p>6:30 – 8:30 PM Reception – Hyatt Regency Bethesda IEEE/EMBS</p> |

Tuesday, November 7, 2017

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| <p>8:00 AM – 5:30 PM Registration - Auditorium Foyer</p> |
| <p>8:30 – 9:30 AM Keynote – POC Technologies: Translation to Market George Whitesides, PhD, Harvard University</p> |
| <p>9:30 – 10:45 AM Panel Session VI Global Healthcare and POC Technologies Paul Pearlman, PhD, NCI, NIH (Moderator) Jim Gallarda, PhD, the Gates Foundation Eche Ezeanolue, MD, MPH, University of Nevada Monica Kerrigan, MPH, Jhpiego Moka Lantum, MD, PhD, MicroClinic Technologies, Kenya</p> |

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| <p>10:45 – 11:00 AM Coffee Break - Auditorium Foyer</p> | | | |
| <p>11:00 – 12.00 PM Panel VII Bench to Market: Standards and Regulatory Considerations Carole Carey, BSEE, MEng, C3-Carey Consultants, LLC (Chair) Julian Goldman, MD, Harvard Medical School, Massachusetts General Hospital (MGH) Jeffrey Kaye, MD, Oregon Health & Science University (OHSU) Michael Fisher, Global Center for Medical Innovation (GCMi)</p> | | | |
| <p>12.00– 2.00 PM Lunch Break, Poster Session, POC Technologies Demonstrations Upper Level Atrium</p> | | | |
| Track 1 | Track 2 | Track 3 | Track 4 |
| <p>2.00 – 3:30 PM Breakout Session 1 Developing Internal and External Resources For Translation Balcony A Co-Chairs: Jodi Black, PhD, OER, NIH Matthew McMahon, PhD, NHLBI, NIH</p> | <p>2.00 – 3:30 PM Breakout Session 2 Clinical Translational Challenges Balcony B Co-Chairs: Steven Schechter, MD, CIMIT Edward Livingston, MD, JAMA</p> | <p>2.00 – 3:30 PM Breakout Session 3 Technology Translation and Regulatory Issues Balcony C Co-Chairs: Jeffrey Kaye, MD, OHSU Michael Fisher, MS, GCMi</p> | <p>2.00 – 3:30 PM Breakout Session 4 Validation, Standards and Security Rm E1/E2 Co-Chairs: Julian Goldman, MD, MGH Wendy Nilsen, PhD, NSF</p> |
| <p>3.30 – 3.45 PM Break</p> | | | |
| <p>3.45 – 5.30 PM Technical Session 1 Developing Internal and External Resources For Translation Balcony A Co-Chairs: Jodi Black, PhD, OER, NIH Matthew McMahon, PhD, NHLBI, NIH</p> | <p>3.45 – 5.30 PM Technical Session 2 Clinical Translational Challenges Balcony B Co-Chairs: Steven Schechter, MD, CIMIT Edward Livingston, MD, JAMA</p> | <p>3.45 – 5.30 PM Technical Session 3 Technology Translation and Regulatory Issues Balcony C Co-Chairs: Jeffrey Kaye, MD, OHS Michael Fisher, MS, GCMi</p> | <p>3.45 – 5.30 PM Technical Session 4 Validation, Standards and Security Rm E1/E2 Co-Chairs: Julian Goldman, MD, MGH Wendy Nilsen, PhD, NSF</p> |

Wednesday, November 8, 2017

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| 8:00 AM – 1:00 PM Registration – Auditorium Foyer | | | |
| 8:30 – 9:30 AM Keynote – Precision Medicine Cohort Program - Balcony B/C Eric Dishman, Director, Precision Medicine Cohort Program, NIH | | | |
| Track 1 | Track 2 | Track 3 | Track 4 |
| 9:30 – 11:00 AM Technical Session Room A | 9:30 – 11:00 AM Technical Session Room C1/C2 | 9:30 – 11:00 AM Technical Session Room G1/G2 | 9:30 – 11:00 AM Technical Session Student Paper Competition Room F1/F2 |
| 11:00 – 11:15 AM Break | | | |
| 11:15 – 12:30 PM Panel VIII Strategic Future Directions Panel Discussion - Balcony B/C 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 | | | |

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| <p>Post-Conference Special Workshop - Balcony B/C, Rm F1/F2, Rm G1/G2, Rm D, Rm C1/C2, Rm B and Rm A</p> |
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12.30 PM – 3.30 PM

From New Technology to Randomized Clinical Trials - Navigating the Health IT and Point of Care Technology Funding Landscape

Workshop Leaders: Wendy Nilsen, PhD, NSF, Erin Iturriaga, BS, MSN, NIH