

**NIH-IEEE Special Topics Conference on
Healthcare Innovations and Point of Care Technologies**

November 9-11, 2016

CasaMagna Marriott Cancun Resort, Cancun, Mexico

Wednesday, November 9, 2016

<p>8:00 – 8:30 AM Reception</p>
<p>8:30 – 8:40 AM Inauguration and Welcome/Overview/Goals Atam Dhawan, PhD, NJIT, Conference Chair Paul Pearlman, PhD, NCI, NIH, Conference Co-Chair Ki Chon, PhD, University of Connecticut: Program Chair Emilio Sacristan, PhD, CI3M, Mexico: Program Co-Chair</p>
<p>8:40 – 9:25 AM Keynote – Healthcare Innovations with POC Technologies Wendy Nilsen, PhD, Program Director, National Science Foundation</p>
<p>9:25 – 10.10 AM Keynote – CASALUD: NCD Model of Primary Healthcare in Mexico Hector Gallardo Rincon, MD, Operations Solutions Director, Carlos Slim Health Institute, Mexico</p>
<p>10.10 – 11:20 AM Panel Session I Clinical Needs Driving Healthcare Technology Innovations Srini Tridandpani, MD, PhD, Emory University (Chair) Ronald Dixon, MD, CIMIT, Harvard Medical School Robert L Murphy, MD, Northwestern University Hector Gallardo Rincon, MD, Operations Solutions Director, Carlos Slim Health Institute, Mexico</p>
<p>11:20 – 11:30 AM Break</p>
<p>11.30 – 12.30 PM Panel Session II Enabling Technologies: Point-Of-Care Devices for Health Monitoring Atam Dhawan, PhD, NJIT (Chair) Stuart Parks, MD, Greater Glasgow & Clyde Health-Board Pamela Bhatti, PhD, Georgia Institute of Technology Jie Chen, PhD, University of Alberta, Canada</p>
<p>12.30– 1.30 PM Lunch Break and Networking</p>
<p>1.30 – 2.45 PM Panel Session III mHealth and Informatics for POC Technologies Allison Goldstein, World Health Organization (Chair) May Wang, PhD, Georgia Institute of Technology Yongmin Kim, PhD, Pohang University of Science and Technology, Korea</p>

<p>2.45 – 4.00 PM</p> <p>Panel Session IV</p> <p>Preventive Medicine and POC Technologies in Resource Limited Settings</p> <p>Jim Gallarda, PhD, Bill & Melinda Gates Foundation (Chair)</p> <p>Arturo Forner-Cordero, PhD, University of São Paulo, Brazil</p> <p>Ki Chon, PhD, University of Connecticut</p>
<p>4.00 – 4:15 PM</p> <p>Break</p>
<p>4:15 – 5:30 PM</p> <p>Panel Session V</p> <p>Federal Funding Opportunities and Resource Forum</p> <p>NCI, NIBIB, NHLBI, and NSF</p> <p>Paul Pearlman, PhD, NCI, NIH (Chair)</p> <p>Christine Kelley, PhD, NIBIB, NIH</p> <p>Tiffani Lash, PhD, NIBIB, NIH</p> <p>LeShawndra Price, PhD, NHLBI, NIH</p> <p>Jue Chen, PhD, NHLBI, NIH</p> <p>Laura Povlich, PhD, FIC, NIH</p> <p>Wendy Nielsen, PhD, NSF</p>
<p>6:00 – 8:00 PM</p> <p>Reception</p> <p>IEEE/EMBS</p>

Thursday, November 10, 2016

<p>8:00 – 8:30 AM</p> <p>Reception</p>
<p>8:30 – 9:30 AM</p> <p>Keynote – Interoperability with POC Technologies</p> <p>Julian Goldman, MD. Anesthesiologist, Massachusetts General Hospital, and Medical Director, Partners HealthCare</p>
<p>9:30 – 10:45 AM</p> <p>Panel Session VI</p> <p>Global Healthcare and POC Technologies</p> <p>Paul Pearlman, PhD, NCI, NIH (Chair)</p> <p>Miriam Cremer, MD, Basic Health International</p> <p>Emilio Sacristan, PhD, CI3M, Mexico</p>
<p>10:45 – 11:00 AM</p> <p>Break</p>

<p>11:00 – 12.00 PM</p> <p>Special Panel Session</p> <p>Bench to Market: Standards and Regulatory Considerations</p> <p>Carole Carey, BSEE, MEng, C3-Carey Consultants, LLC (Chair)</p> <p>Donna Hudson, PhD, University of California San Francisco (Co-Chair)</p> <p>Jose Fernandez Villasenor, MD, NXP Semiconductors</p> <p>Emilio Sacristan, PhD, CI3M, Mexico</p> <p>Esamaiel Jabbari, PhD, University of South Carolina</p>			
<p>12.00– 2.00 PM</p> <p>Lunch Break, Poster Session, POC Technologies Demonstrations</p>			
Track 1	Track 2	Track 3	Track 4
<p>2.00 – 3.30 PM</p> <p>Technical Session</p> <p>National Institute of Biomedical Imaging and Bioengineering</p> <p>Co-Chairs:</p> <p>Tiffani Lash, PhD</p> <p>Christine Kelley, PhD</p>	<p>2.00 – 3.30 PM</p> <p>Technical Session</p> <p>National Cancer Institute</p> <p>Co-Chairs:</p> <p>Vidya Vidham, PhD</p> <p>Laura Povlich, PhD</p>	<p>2.00 – 3.30 PM</p> <p>Technical Session</p> <p>National Heart, Lung and Blood Institute</p> <p>Co-Chairs:</p> <p>LeShawndra Price, PhD</p> <p>Jue Chen, PhD</p>	<p>2.00 – 3.30 PM</p> <p>Technical Session</p> <p>Student Paper Competition</p> <p>Co-Chairs:</p> <p>Ki Chon, PhD</p> <p>Jie Chen, PhD</p> <p>Srini Tridandpani, MD, PhD</p>
<p>3.30 – 3.45 PM</p> <p>Break</p>			
<p>3.45 – 5.15 PM</p> <p>Technical Session</p>	<p>3.45 – 5.15 PM</p> <p>Technical Session</p>	<p>3.45 – 5.15 PM</p> <p>Technical Session</p>	<p>3.45 – 5.15 PM</p> <p>Technical Session</p>

Friday, November 11, 2016

<p>8:00 – 8:30 AM</p> <p>Reception</p>
<p>8:30 – 8:45 AM</p> <p>Overview of the Third Day</p> <p>Atam Dhawan, PhD, NJIT, Conference Chair</p> <p>Paul Pearlman, PhD, NCI, NIH, Conference Co-Chair</p> <p>Ki Chon, PhD, University of Connecticut: Program Chair</p> <p>Emilio Sacristan, PhD, CI3M, Mexico: Program Co-Chair</p>
<p>8:45 – 9:45 AM</p> <p>Keynote – Research, Development and Translation of POC Technologies in Healthcare</p> <p>George A. Mensah, MD, FACC</p> <p>Director, Center for Translation Research and Implementation Science (CTRIS)</p> <p>Acting Director, Division of Cardiovascular Sciences, NHLBI, NIH</p>

9:45 – 10:00 AM Break			
Track 1	Track 2	Track 3	Track 4
10.00 – 12:00 PM Breakout Session 1 POC Technologies in Resource Limited Settings Co-Chair: Jim Gallarda, PhD Tiffani Lash, PhD	10.00 – 12:00 PM Breakout Session 2 Clinical Use and Acceptance Co-Chair: Ed Livingston, MD Ronald Dixon, MD	10.00 – 12:00 PM Breakout Session 3 Patient Use and Adherence Co-Chairs: Srini Tridandpani, MD Pamela Bhatti, PhD	10.00 – 12:00 PM Breakout Session 4 Interoperability, Validation and Standards Co-Chairs: Julian Goldman, MD Atam Dhawan, PhD
12.00– 1.00 PM Lunch Break and Networking			
1.00 – 1.45 PM Keynote – Vision and Future Directions on Point of Care Technologies Kris Kandarpa, MD, PhD, Director, Research Science and Strategic Directions, NIBIB, NIH			
1.45 – 3.30 PM Panel VII Strategic Future Directions Panel Discussion Chair: Kris Kandarpa, MD, PhD, Director of Research Science and Strategic Directions, NIBIB, NIH Panelist: Atam Dhawan, PhD, Paul Pearlman, PhD, George Mensah, MD, Tiffani Lash, PhD, Jim Gallarda, PhD, Stuart Parks, MD, Julian Goldman, MD, Srini Tridandpani, MD, Ed Livingston, MD, Ronald Dixon, MD 1.45-2.00 PM: Report from Breakout Session on POC Technologies in Resource Limited Settings 2.00-2.15 PM: Report from Breakout Session on Clinical Use and Acceptance 2.15-2.30 PM: Report from Breakout Session on Patient Use and Adherence 2.30-2.45 PM: Report from Breakout Session on Interoperability, Validation and Standards 2.45-3.15 PM: Panel Discussion: Moderator: Kris Kandarpa, MD, PhD 3.15-3.30 PM: Concluding Remarks: Future Initiatives: Kris Kandarpa, MD, PhD and Atam Dhawan, PhD			
3.30 – 4.00 PM Student Paper Competition Winners Announcement Closing Remarks Atam Dhawan, PhD, Paul Pearlman, PhD			