Program at a Glance (Tentative 09/10/14)

Tuesday, 7 October 2014

08.30-17.30  IEEE Standards and IEEE 11073 Personal Health Device workshop South Room
             *Additional registration required
17.00-23.30  IDEO Design-a-thon Innovation Workshop North Room

Wednesday, 8 October 2014

08.30-09.00  Inauguration and Welcome Madison Ballroom
09.00-11.00  Plenary Session Madison Ballroom
              09.00-09.40: Roderic Pettigrew, MD, PhD
              Director, National Institute of Biomedical Imaging and Bioengineering, NIH, USA
              09.40-10.20: Paul Yager, MD, PhD
              Professor, Bioengineering, University of Washington, Seattle, USA
              10.20-11.00: Tobias B. Barker, MD
              VP Medical Operations, MinuteClinic at CVS Caremark Corporation, Providence, USA
11.00-11.15  Coffee Break Madison Ballroom Foyer
11.15-12.30  Invited Keynote Session 1 – Clinical perspective Madison Ballroom
              11.15-11.40: John Collins, PhD
              COO, CIMIT, Boston, USA
              11.40-12.05: Hank Wuh, MD
              Surgeon and CEO, Skai Ventures, Hawaii, USA
              12.05-12.30: J. Benjamin Crocker, MD
              Associate Medical Director, Ambulatory Practice of the Future, Boston, MA
12.30-13.30  Lunch – on own
13.30-14.45  Invited Keynote Session 2 – Industry Perspective Madison Ballroom
              13.30-13.55: Mary Tolikas, PhD, MBA
              Operations Director, Wyss Institute for Biologically Inspired Engineering at Harvard University
13.55-14.20: Nish Parikh
CEO and Founder, WebTeam Corporation, Somerset, NJ

14.20-14.45: TBD

14.45-15.00 Coffee Break Madison Ballroom Foyer

15.00-17.00 Panel Discussion 1: Challenges and Opportunities: Innovation to Clinical Translation
Madison Ballroom

Chair: Colin Brenan, PhD, Program Chair
Founder and CTO, HiFiBiO BV, USA

Co-Chair: Atam P Dhawan, PhD, Conference Chair
Distinguished Professor, NJIT, USA

Panelist:

Clifford Dacso, MD, MPH, Conference Co-Chair
Professor of Molecular and Cellular Biology and Medicine, Baylor College of Medicine, USA

Martha Gray, PhD, Program Co-Chair
J. W. Kieckhefer Professor of Medical and Electrical Engineering, MIT, USA

Thomas Matula, PhD, Program Co-Chair
Director, CIMU Department, University of Washington, USA

Julio Mayol, MD, International Program Co-Chair
Hospital Clinico San Carlos, Director of the Innovation Unit, and Chief GI Surgery, Madrid, Spain

Srini Tridandapani. MD, PhD
Medical Imaging Informatics Innovator and Assistant Professor, Radiology, Emory University Hospital, USA

Dorin Panescu, PhD
Vice President, Systems Engineering and IP Strategy, Advanced Cardiac Therapeutics, Santa Clara, CA, USA

Linden Rhoads
Vice Provost, University of Washington Center for Commercialization

Presentations/panel sessions describing perspective and unmet needs of each stakeholder group; setting up agenda for specific issues to be addressed during the conference breakout sessions and Panel-2 discussion forum on Friday.
18.00-20.00    Welcome Reception  
               Visions and Vista Rooms
08.00-23.30    IDEO Design-a-thon Innovation Workshop  
               North Room

**Thursday, 9 October 2014**

08.30-9.00     Overview of the Day  
               Madison Ballroom

09.00-10.30    Parallel Oral Presentation Sessions  
               Madison A/B/C

10.30-10.45    Coffee Break  
               Madison Ballroom Foyer

10.45-12.30    Parallel Oral Presentation Sessions  
               Madison A/B/C

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**Special Event: NIH-NIBIB Workshop on Point-Of-Care Technologies**

09.00 -9.30     Welcome and Introductory Remarks, When the Numbers on the Spreadsheet Can  
                 Translate to Better Health Outcomes  
                 Bill Heetderks, Associate Director, NIBIB  
               Marion Room

9.30-10.15     Inexpensive Molecular Diagnostics for Cancer and Infectious Disease  
                 Cathie Klapperich, Boston University  
               Marion Room

10.15-10.30    Coffee Break  
               Madison Ballroom Foyer

10.30-11.15    Non-Invasive Devices for Monitoring the Environment, Metabolism, and  
                 Pulmonary Diseases  
                 Erica Forzani, ASU  
               Marion Room

11:15-12:00    Mobile Sensor Data-to-Knowledge to Reduce the Burden  
                 of Complex Chronic Disease  
                 Santosh Kumar, University of Memphis  
               Marion Room

12.00-12.30    Discussion: What is the Pathway to Advancing POC?  
                 Speakers and Audience  
               Marion Room

12.30-13.45    Lunch  –  on own

13.45-15.30    Product Demo Session  
               Compass Room

15.30 – 16.30    Poster Session and coffee (session 1)  
               Compass Room

16.30– 17.30    Poster Session (session 2)  
               Compass Room
16.30– 17.30       IDEO Session – intermediary report      East Room
08.00-23.30       IDEO Design-a-thon Innovation Workshop     East Room

Friday, 10 October 2014

08.30- 10.00       Parallel Oral Presentation Sessions       Madison A/B/C and North Room
08.30- 10.00       IDEO Design-a-thon Innovation Workshop       East Room
10.00-11.30       Parallel Breakout Sessions       Madison A/B/C and North Room

**Breakout Session 1:** Medical Devices and Technology Innovations
Chair: Bruce Wheeler, PhD
Professor, Biomedical Engineering, University of Florida, USA; President, IEEE EMBS
Co-Chair: Clifford Dacso, MD, MPH
Professor of Molecular and Cellular Biology and Medicine, Baylor College of Medicine, USA

**Breakout Session 2:** Medical and Health Informatics and Communication Technologies
Chair: May Wang, PhD
Professor, Biomedical Engineering, Georgia University, USA
Co-Chair: Dorin Panescu, PhD
Vice President, Systems Engineering and IP Strategy at Advanced Cardiac Therapeutics, USA

**Breakout Session 3:** Healthcare Innovation and POCT Implementation Challenges
Chair: Bernhard Weigl, PhD
Portfolio Leader, Diagnostics for Non-Communicable Diseases, PATH, Seattle
Co-Chair: Soumya Acharya, MD, PhD
Professor, Biomedical Engineering, John Hopkins University, USA

**Breakout Session 4:** Clinical and Payors Challenges
Chair: Srini Tridandapani. MD, PhD
Medical Imaging Informatics Innovator and Assistant Professor, Radiology, Emory University Hospital, USA
Co-Chair: Julio Mayol, MD
Hospital Clinico San Carlos, Director of the Innovation Unit, and Chief GI Surgery, Madrid, Spain
11.30 -11.45  Coffee Break  Madison Ballroom
11.45-12.45  IDEO Design-a-thon: Final Presentation Session  Madison Ballroom
12.45-13.45  Lunch – on own
13.45–14.00  Best Paper Award  Madison Ballroom
14.00 -16.00  **Panel Discussion 2: Reports from Breakout Sessions:**  Madison Ballroom
               **Future Trends and Follow-up**

Chair: Bill Heetderks, MD, PhD
Director of Extramural Science Programs, National Institute of Biomedical Imaging and
Bioengineering, NIH, USA

Co-Chair: Misha Pavel, PhD, Chair
Professor, Computer and Information Science, Northeastern University, USA

Panelist

Srini Tridandapani, MD, PhD
Medical Imaging Informatics Innovator and Assistant Professor, Radiology, Emory
University Hospital, USA

Soumya Acharya, MD, PhD
Professor, Biomedical Engineering, John Hopkins University, USA

May Wang, PhD
Professor, Biomedical Engineering, Georgia University, USA

Bernhard H. Weigl, PhD
Portfolio Leader, Diagnostics for Non-Communicable Diseases, PATH, Seattle, USA

Bruce Wheeler, PhD
Professor, Biomedical Engineering, University of Florida, USA; President, IEEE EMBS

Donna L. Hudson, Ph.D.
Professor, University of California San Francisco, USA

16.00-17.00  Closing Remarks; Coffee and Networking  Madison Ballroom