



# NIH-IEEE 2017 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

Keynote and Panel Sessions

Breakout Sessions

FDA and Resources Session

Translation Demo Showcase

Student Paper & Design Competition

Organized and Co-Hosted By National Heart, Lung, and Blood Institute (NHLBI), National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Cancer Institute (NCI), National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH); Engineering in Medicine and Biology Society (EMBS), IEEE

#### Conference Chairs

- Atam Dhawan, PhD, NJIT
- George Mensah, MD, NHLBI, NIH

#### Program Chairs

- Tiffani Lash, PhD, NIBIB, NIH
- Steve Schachter, MD, CIMIT and Harvard Medical School
- Jue Chen, PhD, NHLBI, NIH

#### International Program Chairs:

- Paul Pearlman, PhD, NCI, NIH
- Thomas Penzel, PhD, Charite Universitätsmedizin Berlin, Germany
- Arturo Forner-Cordero, PhD, University of São Paulo, Brazil
- Brad Newsome, PhD, NHLBI, NIH
- Laura Povlich, PhD, FIC, NIH

#### Student Paper/Design Competition Chairs:

- Srinivasan Tridandapani, MD, PhD, Emory University
- Pamela Bhatti, PhD, Georgia Institute of Technology

#### Organizing Committee

- Jim Gallarda, PhD, Bill & Melinda Gates Foundation
- Erin Iturriaga, RN, NHLBI, NIH
- Amy Kraftt, PhD, NIAID, NIH
- Christine Kelley, PhD, NIBIB, NIH
- Mary Rodgers, PhD, NIBIB, NIH
- LeShawndra Price, PhD, NHLBI, NIH
- Ki Chon, PhD, University of Connecticut
- Dorin Panescu, PhD, Intuitive Surgical
- Julian Goldman, MD, Partners HealthCare and Massachusetts General Hospital

## Call For Papers

The NIH-IEEE Strategic Conference will focus on healthcare innovations and point-of-care technologies for precision Health, and their clinical translation to address challenges in global healthcare. The proposed conference will provide a strategic forum with clinicians, healthcare providers, industry experts, innovators, researchers and students to define clinical needs and technology solutions towards commercialization and translation to precision medicine. Panel discussions and open forum sessions along with research presentations will focus on the development, clinical translational, commercialization, implementation and user-compliance of innovative healthcare and point-of-care technologies (POCT) in clinical (hospital, emergency, acute, chronic and primary care), non-traditional (consumer) and under-resourced settings. The overall goal of the strategic conference is to provide opportunities for stakeholders to explore collaborations and synergies to accelerate healthcare system development, validation, deployment and adoption of POCT for improving global healthcare at affordable cost.

Along with keynote speeches, panel discussions, and breakout sessions with leaders and stakeholders addressing clinical needs, enabling technologies, regulatory protocols, funding opportunities and business models, a limited number of oral and poster presentations will be included in the final program. We invite you to submit a one-page paper for oral presentation in the technical sessions or poster exhibit sessions in the following thematic areas. All submissions will be reviewed and selected one-page papers will be included in the Program Booklet. All papers presented at the Conference in their expanded required format will be considered for publication in the open-source IEEE Journal of Translational Engineering in Health and Medicine (<http://health.embs.org/>). There will be a comprehensive White Paper generated and published from the conference presentations and panel discussions. Conference themes to which papers can be submitted:

- Point-Of-Care (POC) Technologies
- Clinical Translational of Healthcare Innovations
- POC Technologies for Under Resourced Environment
- Lab on a Chip
- Devices for Molecular Epidemiology
- POC Technologies for Intensive-Care Applications
- Personalized, Preventive and Precision Medicine
- Global Healthcare Challenges
- mHealth Innovations

#### Paper Submission Instructions and More Information

NIH-IEEE Strategic Conference website: <http://hipt.embs.org/2017/>

#### Deadlines

Submission of 2-page Translation Showcase Proposal: August 15, 2017

Submission of 4-page Papers for Technical Sessions and Student Paper competition: September 1, 2017

Submission of 1-Page Technical Papers: September 15, 2017