Topic:
How Clinical Research Platforms Can Empower Learning Health Systems

Program:
In this LHS Tech Forum, Dr. Brad Hirsch from Verily (Google/Alphabet) will speak about Verily’s clinical trials platform, known as Baseline. He will share his vision for how this platform can empower LHSs by improving clinical trial execution, data aggregation and analysis, and the capture and use of real-world health data. Dr. Ken Mahaffey from Stanford University will present his extensive experience collaborating with Verily on the Baseline Health Study in the field of cardiovascular medicine. Following these presentations, we will engage the audience in a discussion with the speakers on how clinical trials platforms can fulfill their potential and overcome challenges in enabling the learning health system.

The Learning Health Community’s LHS Tech Forum works to bring together industry innovators and academic researchers to discuss LHS technologies and practices. For more information and the past forums, please visit the Learning Health Community’s LHS Tech Forum Initiative or join our Learning Health Systems LinkedIn Group.

Agenda:
1. Community Announcement and Acknowledgements. (Josh Rubin, 2 min)
2. LHSs and LHS Tech Forum Series Brief Introduction. (AJ Chen, 3 min)
3. Industry Talk by Dr. Brad Hirsch: “Envisioning the future of evidence generation to enable a learning health system” (20 min)
4. Academic Talk by Dr. Ken Mahaffey: “The Project Baseline Health Study: Building a Science Platform and a Participant Community” (20 min)
5. Audience Q/A Moderated by Dr. Sophia Wang: (15 min)

Date/Time: Tuesday, January 18, 2022, 3:00 PM-4:00 PM PT | 6:00 PM-7:00 PM ET
Registration: Please RSVP to LHS Tech Forum lhs.tech.forum@gmail.com to register. Registration is free and open to the public.
Webinar: A Zoom link (courtesy of Stanford University) will be provided after registration.
Host: Dr. Sophia Wang, Stanford University.
Audience: LHS leaders, IT industry innovators, academic researchers, healthcare professionals, engineers, scientists, and business professionals.

Speakers:

Brad Hirsch, MD
CEO and Co-Founder of SignalPath (now a Verily/Alphabet company)

Dr. Hirsch co-founded SignalPath and served as Chair of the Board of Directors since its inception in 2014. He took the reins as CEO in 2017. In 2021, SignalPath was acquired by Verily to strengthen and expand its Baseline clinical trial system and evidence generation platform. He continues to practice part time as a medical oncologist and is an active investigator. His deep passion for SignalPath’s mission stems from his time conducting trials in both academics and community practice. Prior to coming to SignalPath, he served as Senior Medical Director at Flatiron...
Health, a Google-backed startup working to accelerate treatment and research in oncology, and was on the faculty at Duke University, where he led a clinical informatics research team.

Ken Mahaffey, MD  
Professor of Medicine, Cardiovascular Medicine, Stanford University

Dr. Mahaffey is a Professor of Medicine in the Division of Cardiovascular Medicine at Stanford University. He is also Associate Dean for Clinical Research in the School of Medicine, Vice Chair of Clinical Research in the Department of Medicine, and Director of the Stanford Center for Clinical Research. His primary research interest is the design and conduct of multicenter clinical trials and analyses of important clinical cardiac issues using large patient databases. Dr. Mahaffey has worked extensively with the Verily's Baseline Health Study platform, an example of a major trial platform driving learning in real time.

Moderator:

Sophia Wang, MD, MS  
Assistant Professor of Ophthalmology, Byers Eye Institute, Department of Ophthalmology, Stanford University

Dr. Wang is an ophthalmologist and clinician scientist in the Department of Ophthalmology at Stanford. Her research focuses on using and integrating a wide variety of “big data” sources in ophthalmology to investigate and improve ophthalmic outcomes and enable the learning health system. Her work to develop artificial intelligence algorithms to predict ophthalmology patients’ outcomes using natural language processing for electronic health records data is supported by a Research to Prevent Blindness Career Development Award and a K23 Career Development Award from the National Eye Institute.

Forum Organizers:  
Learning Health Community (http://www.LearningHealth.org)

Outreach Partners:  
HIMSS, UCSF Health Hub, EU International Collaboration & Digital Transformation, AMIA, University of Michigan Department of Learning Health Sciences, Stanford University

Forum Organizing Committee:  
AJ Chen, PhD, Web2express.org  
Joshua C. Rubin, JD, MBA, MPH, MPP, Learning Health Community  
Sophia Wang, MD, MS, Stanford University

Forum Advisor Committee:  
Chair: Charles Friedman, PhD, University of Michigan