4th LHS Tech Forum

**Topic:**
Transforming Clinical Research Networks to Learning Health Systems

**Program:**
The concept of Learning Health Systems (LHSs) has recently been applied in realizing diverse types of clinical research networks, including PCORnet, PEDSnet, and CancerLinQ, among myriad others. Many of these modern networks work to generate real-world data (RWD) and use machine learning (ML) to create real-world evidence (RWE) for improving patient care. In this LHS Tech Forum, Dr. Yuri Quintana from Harvard Medical School will share his experience in building collaborative clinical networks around the world to improve clinical practices, patient care, and health outcomes. Dr. Carl de Moor from Biogen will present his pharma perspectives of running RWD research networks globally for multiple sclerosis care. Following the two presentations, we will engage the audience to discuss the promises as well as challenges of transforming clinical research networks to LHSs.

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, 2 min)
2. LHSs and LHS Tech Forum series brief introduction. (AJ, 3 min)
3. Academic talk by Dr. Yuri Quintana: “Strategies for Building Collaborative Online Communities of Practice to Improve Healthcare”. (20 min)
4. Industry talk by Dr. Carl de Moor: “Generating RWD through a Learning Health System: Multiple Sclerosis Partners Advancing Technology and Health Solutions (MS PATHS)”. (20 min)
5. Audience Q/A moderated by Dr. AJ Chen: (15 min)

**Date/Time:** October 27, 2021, 8:00 AM-9:00 AM PT | 11:00 AM-12:00 PM ET

**Registration:** Join our [Learning Health Systems LinkedIn Group](#), or RSVP to LHS Tech Forum [lhs.tech.forum@gmail.com](mailto: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.

**Audience:** LHS leaders, IT industry innovators, academic researchers, healthcare professionals, engineers, scientists, and business professionals.
Speakers:

**Yuri Quintana, PhD**
Chief, Division of Clinical Informatics, Beth Israel Deaconess Medical Center
Assistant Professor of Medicine, Harvard Medical School

Yuri Quintana, PhD, is Chief of the Division of Clinical Informatics, BIDMC, and Assistant Professor of Medicine at the Harvard Medical School. His research is focused on developing innovative technologies and systems that empower communities of healthcare professionals, patients and families. He has developed several award-winning global online and mobile collaboration networks that have had a transformational impact on healthcare delivery. At Harvard, he has developed Alicanto, an online learning and collaboration network used by used by health professionals at Harvard affiliated hospitals such as Beth Israel Deaconess Medical Cancer and Dana-Farber for clinical education and collaborations, and Massachusetts Institute of Technology’s JVEL Center for sharing best practices in education. Dr. Quintana and colleagues have created InfoSAGE, a family-centered private social network for elders over the age of 75 and their family members involved in their care. His contributions to InfoSAGE are expanding novel way to engage patients and families with informatics-based tools for family-assisted care coordination. With Homewood Research Institute and international colleagues, he has developed new methods to evaluate mobile mental health apps using evidence-based approaches. Previously, at St. Jude Children’s Research Hospital, he led the development of Cure4Kids, an online network for pediatric cancer clinical education used worldwide and POND4Kids (Pediatric Oncology Networked Database) for collaborative international clinical trials. Previously, he was a faculty member at the University of Western Ontario where he served as director of the New Media Research Lab developing innovations in interactive media and online education. Quintana was also a principal investigator in the Canadian HealNet Research Network, focusing on consumer health informatics. He has held high-tech positions at IBM Canada Limited and Watcom. Quintana obtained his engineering degrees from the University of Waterloo in Electrical and Computer Engineering and Systems Design Engineering.

**Carl de Moor, PhD**
Head of Data Sciences and Analytics, Biogen Digital Health

Carl de Moor is currently Executive Director and General Manager, Evidence Generation and Advanced Analytics at Biogen, where he has worked since May 2016. Carl spent the first part of his career in academia with faculty positions at UT MD Anderson Cancer Center and Harvard Medical School. He then held positions as Vice President of Health
Outcomes and Pharmacoeconomics at Supportive Oncology Services, Senior Director of Epidemiology and Outcomes Research at PPD, Vice President of Epidemiology at MAPI and prior to joining Biogen, he served as Chief Technology Officer at Inform Genomics.

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

**Outreach Partners:**
HIMSS, AMIA, EU-IDIH, University of Michigan, Stanford University

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

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