Addressing the Translational Challenges of an Enterprise-Wide Precision Medicine Initiative using Informatics

Leslie Andrew Lenert, MD, MS, FACP, FACMI
Associate Vice President for Data Science and Informatics
Medical University of South Carolina
Vice President and Chief Medical Officer
Health Sciences South Carolina

Abstract: In this presentation, I will describe how MUSC is using Fast Healthcare Interoperability Resource (FHIR) standards to address the challenges of automated recruitment and enrollment of 100,000 persons in a precision medicine initiative. Having completed enrollment of more than 30,000 persons over the past two-years, I will discuss the how standards make automation of consent and enrollment possible, our overall enterprise architecture, as well as other lessons learned so far from the project so far. I will also describe how we are working to apply resulting genomic data to address to accelerate translation and translational science.

Bio: Dr. Lenert is Associate Vice President for Data Science and Informatics, Chief Research Information Officer, Professor of Internal Medicine, and SMART State Chair in Healthcare Quality at the Medical University of South Carolina (MUSC). He is also Vice President and Chief Medical Officer for Health Sciences South Carolina (HSSC) and Adjunct Professor of Computer Science and Engineering at the University of South Carolina.

Disclosure Statement: The faculty and planners have no relevant financial relationship with ineligible companies, whose primary business is producing, marketing, selling, re-selling, or distributing health care products used by or on patients.

Continuing Medical Education Credits: The School of Medicine, State University of New York at Stony Brook, is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The School of Medicine, State University of New York at Stony Brook designates this live activity for a maximum of 1 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.