Panelists for Session IV: Data Science and Computational Science in Healthcare

Frank Alexander became the Deputy Director of the Computational Science Initiative at Brookhaven National Laboratory in 2017. He came from DOE's Los Alamos National Laboratory, where he was the acting division leader of the Computer, Computational, and Statistical Sciences (CCS) Division. During his more than 20 years at Los Alamos, he held several roles, including as leader of the CCS Division's Information Sciences Group and leader of the Information Science and Technology Institute. Alexander first joined Los Alamos in 1991 as a postdoctoral researcher at the Center for Nonlinear Studies. He returned to Los Alamos in 1998 after doing postdoctoral work at the Institute for Scientific Computing Research at DOE's Lawrence Livermore National Laboratory and serving as a research assistant professor at Boston University's Center for Computational Science.

Harry Selker is the Executive Director for the Institute for Clinical Research and Health Policy Studies, Chief of the Division of Clinical Care Research and Director of the Center for Cardiovascular Health Services Research at Tufts Medical Center. He is also Professor of Medicine at Tufts University School of Medicine and Director of its Graduate Program in Clinical Research at the Tufts Sackler School of Graduate Biomedical Sciences. His clinical practice is in the Pratt Diagnostic Center at Tufts Medical Center. The largest portion of his research is on the factors influencing emergency cardiac care and its outcomes, and how it can be improved in actual practice. This work has included the development of clinical predictive instruments as decision aids for emergency physician clinical decision-making. Having been tested in large multicenter clinical effectiveness trials, these instruments are now incorporated into conventional computerized electrocardiographs.

Jerry Sheehan, Deputy Director at National Library of Medicine (NLM) **s**hares responsibility with the Director for overall program development, program evaluation, policy formulation, direction and coordination of all Library activities. In addition, he is responsible for the day-to-day operations of the Library and, in the absence of the Director, assumes full responsibility for all functions performed by the National Library of Medicine. Sheehan joined the National Library of Medicine as Assistant Director for Policy Development in September 2006. In this position, he was responsible for monitoring, evaluating and advising NLM officials on a broad range of science, technology, information and health policy issues that affect the Library. From September 2015 to January 2017, Mr. Sheehan was on detail to the White House Office of Science and Technology Policy where he served as Assistant Director for Scientific Data and Information and helped advance open science policies across the Federal Government.

Harry Sleeper is Department Head of the Open Health Services group at MITRE Corporation. He is focused on providing open source solutions to mitigate, simplify, or solve critical problems in digital healthcare in the US. His goal is to shorten the time until every US citizen has secure, trusted access, and management control over their complete, accurate, timely, precise, computable, digital health record via a smartphone. Harry and his team are currently working on the Standard Health Record (SHR). The initiative is focused on creating a single, high-quality health record for every individual in the United States. The tenet behind the SHR is to allow a single source of patient health information containing the complete patient health data needed for patient identification, emergency care, and primary care.