



## MCBK 2019 Annual Meeting July 18-19, 2019

# Speaker Bios

**Nancy Allee, MLS, MPH** | [nallee@umich.edu](mailto:nallee@umich.edu)



Nancy Allee is Director, Taubman Health Sciences Library (interim) and Library Faculty, Department of Learning Health Sciences at the University of Michigan.

She provides library leadership for the Health Sciences and STEM libraries and works with the management team to plan, implement, and evaluate programs and services in the areas of academic and clinical engagement; research and informatics; science, technology, engineering, and mathematics; and collections and scholarly communication. Ms. Allee is also Managing Assistant Editor for *Learning Health Systems* and is a member of the Academy of Health Information Professionals at the distinguished level. She participates as a member of the MCBK Sustainability and Inclusion Work Group.

**Bruce Bray, MD, FACC, FAMIA** | [bruce.bray@hsc.utah.edu](mailto:bruce.bray@hsc.utah.edu)



Dr. Bray is a Professor of Biomedical Informatics and Internal Medicine (Cardiovascular) at the University of Utah School of Medicine. He is a practicing cardiologist and clinical informaticist with broad interests in knowledge management and operational and translational informatics. He is active in health informatics standards development through participation in DICOM, HL7 and LOINC organizations.

Dr. Bray obtained a bachelor of science degree in biology and a medical degree from Loma Linda University. He completed an Internal Medicine Residency at Wright State University / Kettering Medical Center, and Cardiovascular and Informatics fellowships at the University of Utah.

**Patricia Brennan, RN, PhD** | [patti.brennan@nih.gov](mailto:patti.brennan@nih.gov)



Patricia Flatley Brennan, RN, PhD, is the Director of the National Library of Medicine (NLM), a component of the National Institutes of Health (NIH). The NLM is the world's largest biomedical library and the producer of digital information services used by scientists, health professionals and members of the public worldwide. Since assuming the directorship in August 2016, Dr. Brennan has positioned the Library to be the hub of data science at NIH and a national and international leader in the field. She spearheaded the development of a new strategic plan that envisions NLM as a platform for biomedical discovery and data-powered health. Leveraging NLM's heavily used data and information resources, intramural research, and extramural research and training programs, Brennan aims for NLM to accelerate data driven discovery and health, engage with new users in new ways, and develop the workforce for a data-driven future. Her professional accomplishments reflect her background, which unites engineering, information technology, and clinical care to improve the public health and

ensure the best possible experience in patient care. Dr. Brennan came to NIH from the University of Wisconsin-Madison, where she was the Lillian L. Moehlman Bascom Professor at the School of Nursing and College of Engineering. She also led the Living Environments Laboratory at the Wisconsin Institutes for Discovery, which develops new ways for effective visualization of high dimensional data. She received a Master of Science in nursing from the University of Pennsylvania and a PhD in industrial engineering from the University of Wisconsin-Madison. Following seven years of clinical practice in critical care nursing and psychiatric nursing, Dr. Brennan held several academic positions at Marquette University, Milwaukee; Case Western Reserve University, Cleveland; and the University of Wisconsin-Madison.

A past president of the American Medical Informatics Association, Dr. Brennan was elected to the Institute of Medicine of the National Academy of Sciences (now the National Academy of Medicine) in 2001. She is a fellow of the American Academy of Nursing, the American College of Medical Informatics, and the New York Academy of Medicine.

**Chris Dymek, EdD** | [Christine.Dymek@ahrq.hhs.gov](mailto:Christine.Dymek@ahrq.hhs.gov)



Chris Dymek, EdD, is the Director of the Division of Health Information Technology (IT) within the Agency for Healthcare Research and Quality's (AHRQ's) Center for Evidence and Practice Improvement. She is a computer scientist and health IT researcher who is dedicated to advancing the productive use of information technologies within healthcare. Prior to joining AHRQ, Chris was a program manager in the HHS Office of the Assistant Secretary for Planning and Evaluation where she led the HHS effort, supported by the Patient-centered Outcomes Research Trust Fund, to build data capacity for patient-centered outcomes research. Chris has also held senior researcher positions within the Westat Center for Health IT and the National Opinion Research Center (NORC) at the University of Chicago. Before her work at Westat and NORC, she led an electronic medical record implementation for five Adventist Healthcare facilities. She also served as Chief Technology Officer and Product Development Executive at the Commission on the Accreditation of Rehabilitation Facilities. In addition to her work in the health and human services sector, Chris has directed large scale IT implementations as well as re-engineering and organization effectiveness efforts for the electric utility industry.

**Peter Embi, MD, MS, FACP, FACMI, FAMIA** | [pembi@regenstrief.org](mailto:pembi@regenstrief.org)



Dr. Embi is an internationally recognized researcher, educator, and leader in the field of clinical and translational research informatics, with numerous peer-reviewed publications and presentations describing his innovations in the field. Dr. Embi serves as President and CEO of the Regenstrief Institute, and he holds related leadership roles at Indiana University and the IU Health System. He previously served in various leadership positions at The Ohio State University, including Interim Chair of Biomedical Informatics, Informatics Director of the OSU Center for Clinical and Translational Science, and Chief Research Information Officer at the OSU Wexner Medical Center. Prior to that, he was on the faculty of the University of Cincinnati College of Medicine, where he was the founding director of the UC Center for Health Informatics. Among his numerous awards and recognitions, Dr. Embi is a Fellow of the American College of Physicians, a Fellow of the American College of Medical Informatics, and he is Chair of the Board of Directors of the American Medical Informatics Association.

**Charles Friedman, PhD** | [cpfried@umich.edu](mailto:cpfried@umich.edu)



Charles “Chuck” Friedman is the Chair of the Department of Learning Health Sciences and the Josiah Macy Jr. Professor of Medical Education at the University of Michigan Medical School, as well as a professor of information and of public health. Dr. Friedman is focused on building a Learning Health System, a health system that can continuously study and improve itself, at the University of Michigan and in the state of Michigan. Dr. Friedman first explored the concept of Learning Health Systems in 2010 through the Institute of Medicine while at the Office of the National Coordinator for Health IT (ONC). Under Dr. Friedman’s leadership, the department of Medical Education transformed into the Department of Learning Health Sciences, a “first in the nation” medical school academic department dedicated to the sciences of learning at all levels from learning by individuals, to learning by teams and organizations, and learning by ultra-large scale systems, such as entire nations.

At ONC, Dr. Friedman served as Deputy National Coordinator and Chief Scientific Officer. In addition to advancement of the Learning Health System, his work promoted several IT innovations including SMART Health IT, an open, standards based technology platform. He was lead author of the nation’s first health IT strategic plan. Prior to these executive positions at ONC, Friedman was associate vice chancellor for Biomedical Informatics and founding director of the Center for Biomedical Informatics at the University of Pittsburgh. Dr. Friedman’s research emphasizes large-scale information infrastructures and resources to improve health, how individuals and groups interact with information resources, and methods for studying the outcomes of these interactions. Dr. Friedman holds both Bachelor’s and Master’s of Science degrees in physics from the Massachusetts Institute of Technology, a Ph.D. in education from the University of North Carolina-Chapel Hill and has done post-graduate studies in medical information science at Stanford University.

**Shaun Grannis, MD, MS, FAAFP, FACMI** | [sgrannis@regenstrief.org](mailto:sgrannis@regenstrief.org)



Shaun Grannis, MD, MS, FAAFP, FACMI, is Director of the Regenstrief Center for Biomedical Informatics and Associate Professor of Family Medicine at the Indiana University School of Medicine. He co-leads the Informatics pillar for Indiana University’s Precision Health Initiative and collaborates closely with national and international public health stakeholders to advance technical infrastructure and data-sharing capabilities. His research focuses on developing, testing, and implementing novel patient matching approaches and other data integration strategies to improve discovery and decision support in a variety of contexts.

**Robert Greenes, MD, PhD** | [greenes@asu.edu](mailto:greenes@asu.edu)



Robert Greenes, MD, PhD, is Ira A. Fulton Chair and professor of biomedical informatics at Arizona State University and professor of biomedical informatics at the Mayo Clinic. Before coming to ASU in 2007, Dr. Greenes spent many years at Harvard, in the field of BMI, first at Massachusetts General Hospital, then at Brigham and Women’s Hospital, where he established the Decision Systems Group in 1980, and led it for 27 years. Dr. Greenes was professor of radiology and of health sciences and technology (HST), at Harvard Medical School, where HST is a joint division of Harvard and MIT. He was also professor of health policy and management at Harvard School of Public Health. For more than 20 years, he directed the Biomedical Informatics Research Training (BIRT) program, with support from the National Library of Medicine and other sources, with co-directors that, when he left Boston, represented 10 hospital and university-based informatics groups throughout the Boston area. One of Dr. Greenes’ earliest contributions was in the 1960’s while he was a medical student and PhD student at Harvard. At that time, he was co-developer of the MUMPS language and system. Dr. Greenes was a practicing radiologist, and also had brief interludes in industry and

at Stanford. Dr. Greenes's research has been in the areas of clinical decision support, in terms of models and approaches for decision making, the knowledge representation to support it, and its clinical application and validation. He has also been active in the promulgation of standards and fostering of group collaborative work, particularly in knowledge management. At ASU Dr. Greenes directs an initiative focused on establishing a platform for interoperable applications to foster health care systems innovation. Having authored over 250 peer-reviewed publications, he is also author of a leading textbook on computer-based clinical decision support, now in its second edition.

Dr. Greenes is a member of the National Academy of Medicine and fellow of the International Academy of Health Sciences Informatics, the American College of Radiology, the American College of Medical Informatics, and the Society for Imaging Informatics in Medicine. He was the 2008 recipient of the Morris F. Collen Award for lifetime impact on the field of biomedical informatics, from the American College of Medical Informatics. He is former Chair of the Board of Regents of the National Library of Medicine. He serves on the Steering Committee of the MCBK initiative and co-chairs the MCBK Standards Workgroup.

**Dipak Kalra, PhD, FRCGP, FBCS | [dipak.kalra@i-hd.eu](mailto:dipak.kalra@i-hd.eu)**



Professor Dipak Kalra, PhD, FRCGP, FBCS, is President of The European Institute for Innovation through Health Data (i~HD). This institute, which he founded in 2016, promotes the learning health ecosystem by developing strategies and enabling solutions that can improve healthcare and accelerate research through more trustworthy learning from health data. It is a multi-stakeholder not for profit body that supports care and research organizations and patients, to capture and reuse better quality health data. It also promotes the adoption of interoperability standards. Dipak plays a leading international role in research and development of Electronic Health Records, including the re-use of EHRs for research. He has led the development of ISO standards on EHR interoperability, personal health records, EHR requirements and data protection, and leads multiple Horizon 2020 and IMI projects in these areas. Dipak is Professor of Health Informatics at University College London and Visiting Professor at the University of Gent.

**Jennie Larkin, PhD | [jennie.larkin@nih.gov](mailto:jennie.larkin@nih.gov)**



Dr. Larkin is Director of the Office of Research Evaluation and Operations (OREO) within the Division of Extramural Activities (DEA), at the National Institute for Diabetes and Digestive and Kidney Diseases (NIDDK). She oversees NIDDK's referral, disease coding/reporting functions, publication of funding opportunities, and program evaluation and analysis. Dr. Larkin is also active within NIDDK and across NIH on data management and data science policy and implementation groups. Prior to coming to NIDDK, Dr Larkin was Senior Advisor for Extramural Program and Strategic Planning in the Office of the Associate Director for Data Science, where she was responsible for setting up the Big Data to Knowledge (BD2K) initiative. She managed BD2K in several roles such as, chairing the BD2K executive Committee, serving as Executive Secretary for the BD2K Multi-Council Working Group, and overseeing the BD2K extramural programs and strategic planning. Previously, Dr. Larkin was a Program Officer in the Division of Cardiovascular Sciences at the National Heart Lung and Blood Institute (NHLBI), as well as a coordinator for the LINCS Common Fund Program. She oversaw a portfolio of research in computational biology, informatics, and systems biology. She has been deeply involved in biomedical data science throughout her career and her integrative research has included physiological ecology, comparative physiology and neurophysiology, neuroendocrinology, and functional genomics.

**Nancy Lorenzi, PhD, MLS, MA, FACMI | [nancy.lorenzi@vumc.org](mailto:nancy.lorenzi@vumc.org)**



Dr. Lorenzi is internationally recognized as an expert in the areas of managing technological change especially the organizational and people-process components. She published significantly in peer-reviewed literature and authored/edited several books. Dr. Lorenzi is Professor in the Department of Biomedical Informatics and Vice President for Strategic Change Management at the Vanderbilt University Medical Center. She has received many honors, such as being selected for the Sigma Theta Tau International Honor Society of Nursing, the Marcia C. Noyes Award from the Medical Library Association and the American College of Medical Informatics Morris Collen Award for Excellence. She is a fellow of the American College of Medical Informatics and the Medical Library Association. She was elected President of the Medical Library Association, President of the International Medical Informatics Association, and Chair of the Board of the American Medical Informatics Association.

**Leslie McIntosh, PhD, MPH | [Leslie.Mcintosh@rda-foundation.org](mailto:Leslie.Mcintosh@rda-foundation.org)**



Dr. Leslie McIntosh currently serves in two positions. She is the inaugural Executive Director for the Research Data Alliance – US (RDA-US), which is part of a global organization developing recommendations for data sharing and interoperability. She is also the founder and CEO of Ripeta, LLC, a company formed to improve scientific research reproducibility. Before transitioning as the CEO of Ripeta, she spent 10 years at Washington University in St. Louis (WU) as the Director of Center for Biomedical Informatics (CBMI) serving the WU Center for Translational and Siteman Cancer Center. In that capacity, she led a dynamic team of 25 individuals (one-half of whom identify as women) and a multi-million-dollar annual budget facilitating biomedical informatics services including the software and service development to assess and improve the full biomedical research cycle. Dr. McIntosh has experience leading diverse teams to develop and deliver meaningful data to improve scientific decisions. She is an accomplished data scientist and an internationally known consultant, speaker, and trainer who is passionate about mentoring the next generation.

**Blackford Middleton, MD, MPH, MSc, FACP, FACMI, FHIMSS | [blackford.middleton@apervita.com](mailto:blackford.middleton@apervita.com)**



Dr. Blackford Middleton is Chief Informatics & Innovation Officer at Apervita, Inc., which provides a platform for the democratization of healthcare data and analytics. He is Past-Chair of the American Medical Informatics Association (AMIA), and of the Healthcare Information Management and Systems Society (HIMSS). Previously, he was a professor of Biomedical Informatics, and of Medicine, at Stanford, Harvard, and Vanderbilt Universities, and he held executive roles at Stanford (CMIO), MedicaLogic/Medscape (CMO), Partners Healthcare System (Director, Clinical Informatics R&D), and at Vanderbilt (CIO). Dr. Middleton's work is focused on clinical informatics – the applied science surrounding strategy, design, implementation, and evaluation of clinical information systems in complex environments. Currently, he serves as the Chair of the Steering Committee for the Patient-centered CDS Learning Network and is a member of the Steering Committee for the MBCK (Mobilizing Biomedical Computable Knowledge) movement, and Co-Chairs the Policy and Trust Subcommittee. He has been PI on numerous clinical informatics R&D projects focusing on clinical decision support, knowledge engineering and management, and value-based technology assessment. He received his MD from SUNY-Buffalo, and MPH (epi) from Yale, and completed Fellowship in general internal medicine and an MSc in Health Services Research from Stanford focusing on clinical informatics.

**Marc Overhage, MD, PhD, FACMI, FNAM, MACP** | [marc.overhage@cerner.com](mailto:marc.overhage@cerner.com)



Dr. Marc Overhage is Vice President for Population Health Intelligence Strategy, at Cerner. His work focuses on developing, deploying and evaluating clinical information systems, with emphasis on clinical decision support and regional health information exchange. Dr. Overhage makes an impact on the future of Cerner by conducting research focused on the use of informational interventions to modify provider behavior, including computerized provider order entry, clinical decision support systems and other forms of feedback. He joined Cerner in 2015 as a Chief Medical Informatics Officer, (previously Siemens Health Services). Dr. Overhage has over 25 years of experience developing and implementing clinical and scientific systems and evaluating their value. He previously worked at the Regenstrief Institute, where he created a community wide electronic medical record (called the Indiana Network for Patient Care), which contains data from many sources including laboratories, pharmacies and hospitals in central Indiana. Over 104 acute care hospitals and over 22,000 physicians participate in the system, which includes inpatient and outpatient encounter data, laboratory results, immunization data and other selected data. Dr. Overhage is a graduate of Wabash College and the Indiana University School of Medicine where he earned both his PhD in Biophysics and his MD. He completed his residency and fellowships at the Indiana University. Dr. Overhage is a fellow of the American College of Medical Informatics, a Master of the American College of Physicians and a Fellow of the National Academy of Medicine.

**Gerald (Jerry) Perry, MLS, AHIP, FMLA** | [jerryperry@email.arizona.edu](mailto:jerryperry@email.arizona.edu)



Jerry Perry is Associate Dean for the University of Arizona Libraries (UAL), and Director of the University of Arizona Health Sciences Library (UAHSL). As Associate Dean, Mr. Perry is a member of the Dean's Working Group which provides executive leadership oversight of UAL. He is responsible for coordinating assessment efforts across the UAL system, and for the Libraries' diversity and inclusion efforts. As Director of UAHSL, Mr. Perry provides leadership of that Library in the UAL system; UAHSL serves the University of Arizona Health Sciences Campus, including the colleges of medicine, nursing, public health and pharmacy. He has over 30 years of experience as a health sciences librarian and has been active in the Medical Library Association, serving as President (2011-2012). Mr. Perry currently serves as Secretary/Treasurer on the Board of Directors for the Association of Academic Health Sciences Libraries (AAHSL).

**Jodyn Platt, PhD, MPH** | [jeplatt@umich.edu](mailto:jeplatt@umich.edu)



Jodyn Platt, PhD, is an Assistant Professor of Learning Health Sciences trained in medical sociology and health policy. Her research currently focuses on informed consent in cancer and genomic studies, and the Ethical, Legal, and Social Implications (ELSI) of public health genetics, newborn screening, and learning health systems. She is interested in understanding what makes learning health systems trusted and the pathways for earning, achieving, and sustaining trust using qualitative and survey methods.

**Rachel Richesson, PhD, MPH, MS, FACMI** | [rachel.richesson@duke.edu](mailto:rachel.richesson@duke.edu)



Rachel Richesson, PhD, is an Associate Professor at the Duke University School of Nursing and teaches informatics across a number of academic programs at Duke. She holds a PhD and MS in Health Informatics and a Masters of Public Health from the University of Texas. She edited the first textbook on the topic of Clinical Research Informatics (Springer, 2012 & 2019). She is an elected Fellow of the American College of Medical Informatics and engages in national discussions related to the development of Health Information Technology standards and policy to support clinical research. Dr. Richesson conducts original research on the quality and usability of data from electronic health records (EHRs) for research and has fostered numerous interdisciplinary research collaborations. She has directed implementation of data standards for a number of multi-national multi-site clinical research and epidemiological studies, including the NIH Rare Diseases Clinical Research Network, Type 1 Diabetes TrialNet, and The Environmental Determinants of Diabetes in the Young (TEDDY) study, and the national distributed Patient Centered Outcomes Research Network (PCORnet). Dr. Richesson currently leads the EHR Core for the NIH Health Systems Research Collaboratory, which is developing standards and quality metrics for clinical phenotyping using EHR data in pragmatic clinical trials.

**Don Rucker, MD** | [Donald.Rucker@hhs.gov](mailto:Donald.Rucker@hhs.gov)



Dr. Don Rucker is the National Coordinator for Health Information Technology at the U.S. Department of Health and Human Services, where he leads the formulation of the federal health IT strategy and coordinates federal health IT policies, standards, programs, and investments. Dr. Rucker has three decades of clinical and informatics experience. He started his informatics career at Datamedic Corporation, where he co-developed the world's first Microsoft Windows-based electronic medical record. He then spent over a decade serving as Chief Medical Officer at Siemens Healthcare USA. Dr. Rucker has also practiced emergency medicine for a variety of organizations including at Kaiser in California; Beth Israel Deaconess Medical Center; the University of Pennsylvania's Penn Presbyterian and Pennsylvania Hospitals; and, most recently, at Ohio State University's Wexner Medical Center. Dr. Rucker is a graduate of Harvard College and the University of Pennsylvania School of Medicine, with board certifications in Emergency Medicine, Internal Medicine and Clinical Informatics. He holds an MS in Medical Computer Science and an MBA, both from Stanford.

**Chris Shaffer, MS** | [chris.shaffer@ucsf.edu](mailto:chris.shaffer@ucsf.edu)



Chris Shaffer joined UCSF as University Librarian, Assistant Vice Chancellor for Academic Information Management, and Adjunct Professor, Department of Medicine, in August 2017. Previously, he was university librarian and associate professor at Oregon Health & Science University (OHSU) for nine years. Shaffer has helped plan interprofessional education initiatives and worked with research offices and Clinical and Translational Science Award centers to develop new library services for researchers. At OHSU, he worked with Dr. Melissa Haendel to found the Ontology Development Group. A leader in the Orbis Cascade Alliance, Shaffer was a champion for the library consortium's migration to a Shared Integrated Library System. Shaffer is an active member of the Medical Library Association, where he recently finished a term as treasurer on the Board of Directors and is a distinguished member of the Academy of Health Information Professionals. His other past positions include assistant director for technology and outreach at the University of Iowa Hardin Library for the Health Sciences, technology coordinator for the National Network of Libraries of Medicine, Greater Midwest Region, and resident librarian at the University of Illinois in Chicago. He holds a

bachelor's in Philosophy from Texas A&M University and a master's in Information Science from the University of North Texas.

**W. Anderson Spickard, III, MD, MS, FACP** | [anderson.spickard-iii@vanderbilt.edu](mailto:anderson.spickard-iii@vanderbilt.edu)



Anderson Spickard, III, M.D., M.S.,F.A.C.P., is Assistant Dean of Education Design and Informatics and Professor of Medicine and Biomedical Informatics at Vanderbilt University School of Medicine. Dr. Spickard is a practicing internist and a Master Clinical Teacher at Vanderbilt. Dr. Spickard's research interests include all aspects of medical education with a focus on the design and application of innovative informatics approaches to support the educational mission. Dr. Spickard has been instrumental in the creation of Curriculum 2.0, the new competency-based curriculum at Vanderbilt. Working with talented colleagues, Dr. Spickard has helped to launch tightly integrated IT infrastructure to deliver content and to capture performance data in the workflow of learning to inform individual and programmatic success.

**Douglas Van Houweling, PhD** | [dvh@umich.edu](mailto:dvh@umich.edu)



Doug Van Houweling, PhD, is Professor Emeritus of Information, in the University of Michigan's School of Information and Professor Emeritus in Service of Learning Health Sciences, University of Michigan Medical School. He has a long career in higher education information technology leadership and management. Dr. Van Houweling has led the information technology function at Cornell University, Carnegie-Mellon University, and the University of Michigan. He has also led in the development and deployment of advanced network infrastructure for higher education and research, first with the NSFNET project and then leading Internet2. Dr. Van Houweling's research interests include the development and future of the Internet, sensor networks and information technology management.