THURSDAY, APRIL 11

10:00 AM | WELCOME AND INTRODUCTIONS
Co-Chairs: Dennis Ridenour, CEO & President, BioNexus KC
Mark Hoffman, PhD, Chief Research Information Officer, Children's Mercy

10:30 AM | KEYNOTE
Informatics as a Journey: How Your Expertise is Needed in the Grand Goal of Transforming Healthcare
Wendy Chapman, PhD, Jon M. Huntsman Presidential Endowed Chair, Dept. of Biomedical Informatics, The University of Utah

11:30 AM | LUNCH AND POSTER PRESENTATIONS

1:00 PM | DATA STRUCTURE
Moderator: Keith Gary, PhD, Vice President, BioNexus KC

Computing on Biological Data in Plants: From Genome to Phenome (and Beyond)
Carolyn Lawrence-Dill, PhD, Chair, Graduate Program in Bioinformatics and Computational Biology, Iowa State University

Mining the Electronic Health Record
Stephen Simon, PhD, Faculty Member, Dept. of Biomedical and Health Informatics, University of Missouri-Kansas City

Standards-Based APIs in Healthcare – Where Do We Take It From Here?
Matt Obenhaus, Director and General Manager, Open Developer Experience, Cerner

Metagenomics Reveal Presence of a Novel Ungulate Bocaparvovirus in Alpaca Fecal Sample
Student: Deepak Kumar, Kansas State University

2:00 PM | DATA STANDARDIZATION & INTEGRATION
Moderator: Susan Brown, PhD, University Distinguished Professor of Biology, Kansas State University

Blockchain: Opportunities and Challenges for HealthCare
Baek-Young Choi, PhD, Associate Professor, Dept. of Computer Science & Electrical Engineering, University of Missouri-Kansas City

Increasing the Use of Personal Health Record Through User-Centered Design
Martina Clarke, PhD, Assistant Professor of Health Informatics, Univeristy of Nebraska Medical Center

Microbiome and Cancer Epidemiology
Guoqin Yu, PhD, Assistant Professor, Dept. of Biostatistics, University of Kansas Medical Center

Integrate Multi-Omics Data Analysis Approach to Analyze Gut Microbiome, Metabolome and Socio-Communicative Behaviors of California Mice
Student: Yang Liu, University of Missouri
3:00 PM | BREAK
3:30 PM | DATA VISUALIZATION
Moderator: Trupti Joshi, MBBS, ADB, MS, PhD, Chairman & Professor, Dept. of Biomedical and Health Informatics, University of Missouri - Kansas City

Visualization in the Arts and Sciences
James Miller, PhD, Associate Professor, Dept. of Electrical Engineering and Computer Science, University of Kansas

Single Particle Averaging Super-Resolution Mapping of Macromolecular Complexes in Situ
Jay Unruh, PhD, Molecular Microscopy, Stowers Institute for Medical Research

Experiencing Data through Interactive Visual Explorations
Thomas Coffin, Visualization and Operations Manager, Emerging Analytics Center, University of Arkansas at Little Rock

4:30 PM | SYSTEMS STRATEGIES
Moderator: Donna Buchanan, PhD, Researcher/Outcomes Manager, Saint Luke’s Hospital

Dynamic and Reproducible Network-Based Approaches for Analysis of Temporal Gene Expression
Kathryn Cooper, PhD, Associate Professor, Division of Biological Sciences, University of Missouri

Mining Junk for Gold: Reuse of Filtered-Out Reads Provides a New Layer of Epigenetic Data
Keith Slotkin, PhD, Associate Professor, Division of Biological Sciences, University of Missouri

Smartphone Based PRO Capturing
Michael Nassif, MD, Cardiologist, Saint Luke’s Mid America Heart Institute

Mobile-Device Clinical Decision Support Tool Use Post Intervention
Student: Ellen Kerns, University of Nebraska Medical Center
5:30 PM | COCKTAILS, NETWORKING, DINNER