

**THURSDAY, APRIL 11**

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, University 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**