Second Annual Retreat
June 30, 2016
DeLuca Forum, The Discovery Building

8:00 – 8:30 Registration

8:30 – 8:45 Welcome and Overview of CPCP
Mark Craven, Professor, Dept. of Biostatistics & Medical Informatics (BMI)
Director, CPCP

8:45 – 9:45 Keynote talk: Biomedical Research: From Pipes to Platforms
Philip Bourne, Associate Director for Data Science, NIH

9:45 – 10:30 Poster session

10:30 – 11:10 Transcriptome-Based Cellular Phenotyping
Colin Dewey, Associate Professor, Dept. of BMI
Christina Kendziorski, Professor, Dept. of BMI

11:10 – 11:25 High-Throughput Computing in Support of High-Throughput Phenotyping
Miron Livny, Professor, Dept. of Computer Sciences, CTO, Morgridge Institute

11:25 – 12:05 Epigenome-Based Phenotyping
Sunduz Keles, Professor, Dept. of BMI
Sushmita Roy, Assistant Professor, Dept. of BMI

12:05 – 12:55 Lunch

12:55 – 1:35 EHR-Based Phenotyping
Paul Bennett, Graduate Student, Dept. of Computer Sciences
Rebecca Willett, Associate Professor, Dept. of Electrical and Computer Engineering

1:35 – 2:05 Entity Matching for EHR- and Transcriptome-based Phenotyping
AnHai Doan, Professor, Dept. of Computer Sciences

2:05 – 2:35 Neuroimage-Based Phenotyping
Sterling Johnson, Professor, Dept. of Medicine

2:35 – 3:20 Poster session

3:20 – 3:50 Stochastic Modeling for Computational Phenotyping
Michael Newton, Professor, Dept. of BMI, Associate Director, CPCP

3:50 – 4:20 Computational Phenotyping for Breast Cancer Risk Assessment
Beth Burnside, Professor, Dept. of Radiology

4:20 – 4:50 Multi-Armed Bandit Algorithms and Applications to Experiment Selection
Rob Nowak, Professor, Dept. of ECE

4:50 – 5:00 Closing Comments
Michael Newton