First Annual Retreat  
Center for Predictive Computational Phenotyping (CPCP)  
June 12, 2015  
DeLuca Forum, The Discovery Building

8:00 – 8:30  continental breakfast and registration

8:30 – 8:45  Overview of the Center for Predictive Computational Phenotyping  
Mark Craven, Professor, Dept. of Biostatistics & Medical Informatics (BMI)  
Director, CPCP

8:45 – 9:00  welcoming remarks  
Robert Golden, Dean of the School of Medicine and Public Health

9:00 – 10:15  keynote talk  
Understanding Preclinical Alzheimer's Disease via Neuroimage-Based Phenotyping  
Barbara Bendlin, Assistant Professor, Dept. of Medicine  
Sterling Johnson, Professor, Dept. of Medicine  
Vikas Singh, Associate Professor, Dept. of BMI

10:15 – 11:00  poster session

11:00 – 12:00  Transcription-Based Cellular Phenotyping  
Colin Dewey, Associate Professor, Dept. of BMI  
Christina Kendzioriski, Professor, Dept. of BMI

High-Throughput Computing in Support of High-Throughput Phenotyping  
Miron Livny, Professor, Dept. of Computer Sciences  
CTO, Morgridge Institute  
Gary Pack, Postdoctoral Fellow, Marshfield Clinic Research Foundation  
Yuriy Sverchkov, Postdoctoral Fellow, Dept. of BMI

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12:00 – 1:00  lunch

1:00 – 1:15  welcoming remarks
Brad Schwartz, CEO of the Morgridge Institute for Research

1:15 – 2:45  Epigenome-Based Phenotyping
Sunduz Keles, Professor, Dept. of BMI
Sushmita Roy, Assistant Professor, Dept. of BMI

Prioritization Strategies for Ranking, Selection and Data Integration in Computational Phenotyping
Michael Newton, Professor, Dept. of BMI
Associate Director, CPCP

Scaling up Inductive Logic Programming for EHR-Based Phenotyping
David Page, Professor, Dept. of BMI
Jignesh Patel, Professor, Dept. of Computer Sciences

2:45 – 3:30  poster session

3:30 – 4:30  Active Learning from Human Experts and an Application to EHR-Based Phenotyping
Rob Nowak, Professor, Dept. of Electrical and Computer Engineering
Peggy Peissig, Director, Biomedical Informatics Research Center
Marshfield Clinic Research Foundation

Building Entity Matching Management Systems for Big Data Problems in Biomedicine
AnHai Doan, Professor, Dept. of Computer Sciences

4:30 – 4:45  closing comments

4:45 –  reception