Fourth Annual Retreat
May 31, 2018
DeLuca Forum, The Discovery Building

8:00 – 8:30 continental breakfast and registration

8:30 – 8:40 Welcome
Mark Craven, Professor, Dept. of Biostatistics & Medical Informatics
Director, CPCP

8:40 – 10:15 Data Management Lab, Neuroimage-Based Phenotyping Project,
Value of Information Lab: entity and text matching, assembling data science pipelines,
preclinical Alzheimer’s disease, multiscale factorization, graph-based regularization
AnHai Doan, Professor, Dept. of Computer Sciences
Jignesh Patel, Professor, Dept. of Computer Sciences
Rogers Jeffrey Leo John, Graduate Student, Dept. of Computer Sciences
Vamsi Ithapu, Research Scientist, Oculus Research
Rebecca Willett, Associate Professor, Dept. of Electrical and Computer Engineering

10:15 – 11:15 poster session

11:15 – 11:45 Institute for Foundations of Data Science, Data Science Hub
Stephen Wright, Professor, Dept. of Computer Sciences
Brian Yandell, Professor, Dept. of Statistics

11:45 – 12:25 Phenotype Models for Breast Cancer Project, Transcriptome-based Cellular
Phenotyping Project: breast cancer screening, mining large sequence repositories,
metadata mapping, RNAseq analysis
Elizabeth Burnside, Professor, Dept. of Radiology
Matthew Bernstein, Graduate Student, Dept. of Computer Sciences

12:25 – 1:20 lunch

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1:20 – 2:40 Epigenome-based Phenotyping Project, Stochastic Modeling Lab: predicting long-range regulatory interactions, large-scale regulatory SNP characterization
Brittany Baur, Postdoctoral Associate, Wisconsin Institute for Discovery
Sunduz Keles, Professor, Dept. of Biostatistics & Medical Informatics
Ye Zheng, Graduate Student, Dept. of Statistics
Michael Newton, Professor, Dept. of Biostatistics & Medical Informatics

2:40 – 3:40 poster session

3:40 – 5:00 Computational Drug Screening Project, EHR-based Phenotyping Project, Value of Information Lab: deep learning, drug candidate screening, drug repositioning, adverse event detection, predicting asthma exacerbations, active learning
Anthony Gitter, Assistant Professor, Dept. of BMI, Morgridge Institute
Charles Kuang, Graduate Student, Dept. of Computer Sciences
Akshay Sood, Graduate Student, Dept. of Computer Sciences
Ervin Tanczos, Postdoctoral Associate, Wisconsin Institute for Discovery

5:00 – 5:10 Closing Comments
Michael Newton, Professor, Dept. of Biostatistics & Medical Informatics
Associate Director, CPCP

5:10 – 6:30 reception