Third Annual Retreat
June 1, 2017
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 – 9:20  Phenotype Models for Breast Cancer Screening:
        multi-modal screening, structured sparsity
Beth Burnside, Professor, Dept. of Radiology
Ming Yuan, Professor, Dept. of Statistics and Morgridge Institute

9:20 – 10:20  EHR-based Phenotyping:
        drug ontology integration, adverse event detection, privacy-preserving mining
Peggy Peissig, Director, Biomedical Informatics Research Center
        Marshfield Clinic Research Foundation
David Page, Professor, Dept. of Biostatistics & Medical Informatics
Irene Giacomelli, Postdoctoral Fellow, Dept. of Computer Sciences

10:20 – 11:20  poster session

11:20 – 12:20  Neuroimage-based Phenotyping:
        Alzheimer’s screening, brain connectivity analysis, adaptive study design, gaze tracking
Barbara Bendlin, Associate Professor, Dept. of Medicine
Won Hwa Kim, Graduate Student, Dept. of Computer Sciences
Vikas Singh, Associate Professor, Dept. of Biostatistics & Medical Informatics

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12:20 – 1:20  lunch

1:20 – 2:20  Cellular Phenotyping and Drug Discovery:
data integration, ranking, deep learning, high-throughput computing
Scott Wildman, Associate Scientist, UW Small Molecule Screening Facility
Michael Newton, Professor, Dept. of Biostatistics & Medical Informatics
AnHai Doan, Professor, Dept. of Computer Sciences
Moayad Alnammi, Graduate Student, Dept. of Computer Sciences
Spencer Ericksen, Assistant Scientist, UW Small Molecule Screening Facility

2:20 – 3:20  poster session

3:20 – 4:40  Transcriptome-based and Epigenome-based Phenotyping:
augmenting GWAS and eQTL studies, epigenomics in development and disease,
mapping RNAseq metadata, single-cell RNAseq analysis
Christina Kendziorski, Professor, Dept. of Biostatistics & Medical Informatics
Matt Bernstein, Graduate Student, Dept. of Computer Sciences
Sunduz Keles, Professor, Dept. of Biostatistics & Medical Informatics
Sushmita Roy, Assistant Professor, Dept. of Biostatistics & Medical Informatics

4:40 – 4:50  Closing Comments
Michael Newton, Professor, Dept. of Biostatistics & Medical Informatics
Associate Director, CPCP

5:00 – 6:00  reception