

Joint Annual Retreat of the Computation and Informatics in Biology and Medicine and Biomedical Data Science Programs

June 3, 2022

9:00 a.m. – 5:00 p.m.

Discovery Building, 330 N. Orchard Street

- 9:00-9:30 Continental breakfast, Atrium
- 9:30-9:40 Welcome remarks; Introduction to the CIBM (Computation and Informatics in Biology and Medicine) Training Program and BDS (Biomedical Data Science) Graduate Program, H.F. DeLuca Forum
- 9:40-10:35 *Invited Speaker*
Scott Hebring, PhD
Research Scientist, Center for Human Genetics; John Melski Distinguished Scientist Endowment in Biomedical Informatics, Marshfield Clinic Research Institute
Automatically Constructed Pedigrees Accurately Identify Patients at Risk for Monogenic and Polygenic Conditions
- 10:35-11:35 Poster Session I, Atrium (Refreshments during poster session)
- 11:35-12:30 *Invited Speaker (remote presentation)*
Su-In Lee, PhD
Paul G. Allen Professor, Paul G. Allen School of Computer Science, University of Washington, Seattle
Explainable AI: Where We Are and How to Move Forward for Cancer Pharmacogenomics
- 12:30-1:30 Lunch - Atrium
- 1:30-2:25 *Invited Speaker*
Keegan Korthauer, PhD
Assistant Professor, Department of Statistics, University of British Columbia, Investigator, BC Children's Hospital Research Institute
Methods for Sparse and High-Dimensional Measurements of DNA Methylation
- 2:25-3:25 Poster Session II, Atrium (Refreshments during poster session)
- 3:25-4:20 *Invited Speaker*
Anoop Mayampurath, PhD
Assistant Professor, Department of Biostatistics and Medical Informatics, University of Wisconsin-Madison
Using Electronic Health Record Data to Predict Deterioration in Hospitalized Children