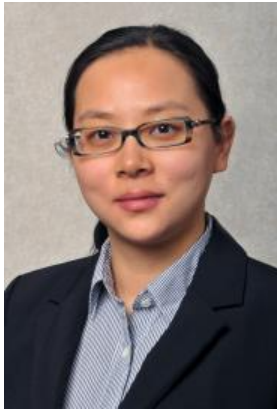


Functional annotation of genomic elements



Abstract: Functional annotation of the genomic elements, including coding and non-coding regions, is critical for revealing biological regulations and mechanisms under disease phenotypes. Since experimental functional characterization is usually time-consuming and costly, accurate and efficient computational methods for function prediction are in high demand for generating testable hypotheses guiding large-scale experiments. In this talk, I will mainly present our newly developed platforms and algorithms for annotating genomic elements, and discuss applications and future directions.

About the Speaker: Dr. Yan Zhang is an Assistant Professor in the Department of Biomedical Informatics at The Ohio State University. She received her doctoral degree in Bioinformatics from the University of Michigan in 2012, and also has a master's degree in Statistics from University of Michigan, a master's in Biology and a bachelor's degree in Control Science and Engineering from Tsinghua University in China. Before joining OSU, she completed her postdoctoral training at Yale University Computational Biology and Bioinformatics program. She has an interdisciplinary background and have worked in the field of bioinformatics for 15 years. Her interests span statistical and computational methods and their applications to genomic, proteomic and clinical research.

Yan Zhang, PhD

**Friday, February 14th, 11:00am-12:00pm
105 BRT**