Using Human Genetics to Unravel Mechanisms of Pancreatic Islet-Cell Dysfunction in Type 2 Diabetes

The seminar will give an overview of current efforts to use human genetic discoveries to identify key proteins and pathways involved in Type 2 Diabetes pathogenesis. A particular emphasis will be on the role of pancreatic islet dysfunction. The seminar will provide an overview of current consortia efforts to generate Large-Scale Multi-Omic data in diabetes relevant cell types and how these data can be integrated to move from genetic association signal to molecular mechanisms.