



Dr Johannes Kettunen is the Head of Genetics at the Computational Medicine Research Group, Center for Life Course Health Research, University of Oulu, Finland. He has a doctorate and a docentship in genetics. He started his career in the field of genetics and has been spearheading genome-wide association studies, particularly in combination with metabolomics. His field of expertise has expanded from genetics research to epidemiology and biomarker discovery, causal inference in epidemiology as well as systems medicine. The unifying theme in his current research is combining omics data to elucidate mechanisms underlying common complex traits and all-cause mortality. One of his current hot topics is trying to understand the pathophysiological mechanisms behind systemic biomarkers that predict short-term mortality and he has pioneered in systems medicine where he used gene expression data and electronic health records to unravel molecular mechanisms underlying the short-term mortality risk.