**Biography:** Jonathan Sebat, ISPG Board of Director

Dr. Sebat is a leader in the field of psychiatric genetics, and he is an expert in computational and experimental methods of genome analysis. His research has contributed to our current knowledge of genome-wide patterns of germline mutation and the contribution of rare and de novo genetic variants to risk for common disease. His early research on patterns of structural genetic variation (SV) in the human genome led the initial discovery of the widespread abundance of SV in the human genome. Dr. Sebat pioneered the SV-based approach to mutation discovery in brain disorders, including autism spectrum disorders and schizophrenia. These studies have served to elucidate the role of rare spontaneous and inherited structural variants in neuropsychiatric disorders. Dr. Sebat is the chair of the SV analysis group for the Psychiatric Genomics Consortium, and a co-lead investigator for the SV working group of the 1000 genomes project where his group has worked to develop integrated pipelines for the analysis of large genomic datasets.