Dr. Zhifu Sun currently is a Consultant in Department of Health Sciences Research, Associate Professor of Biomedical Informatics and Assistant Professor of Epidemiology, School of Medicine, and Associate Director of Bioinformatics Cores at Mayo Clinic Rochester, Minnesota. He received his MD and MS degrees in Pathology in China, and his MS degree in Biomedical Informatics from the University of Minnesota. He was a surgical pathologist before moving to the U.S.A. and was ECFMG/USMLE certified in the U.S.A. After his bioinformatics training, he worked in genetic epidemiology of lung cancer for 6 years and then moved to the bioinformatics program in the Mayo Clinic Center for Individualized Medicine in 2008. As a physician converted bioinformatician, his research is mostly patient centric and focuses on application of bioinformatics to clinical research and practice, which falls into following five main areas: (1) Lung cancer etiology, precision therapy and outcome, (2) Early cancer detection and diagnosis through DNA methylation or other cell free detection markers, (3) Translational epigenomics, (4) Large genomics data integration and system biology, and (5) Bioinformatics workflow and method developments. His work is well supported by both internal and external grants. He has authored or co-authored over 120 peer-reviewed publications, with many in high impact journals and with a high number of citations such as Journal of Clinical Oncology, Lancet Oncology, Cancer Research, Arch Intern Med, Ann Oncol, Bioinformatics, Epigenomics and Epigenetics. His research and work is well recognized nationally and internally with frequent invites for presentation. He has played multiple journal editorial roles (Editorial Board of the Epigenomics, 2015-present; the Associate Editor of World Journal of Respirology, 2016-2018; and Guest Associate Editor of Frontier in Genetics, 2017-2018) and is a frequent reviewer for several top journals in his field. In addition to research, he teaches two graduate level classes focusing on epigenomics data analysis for Mayo graduate school. He has mentored many students, research fellows or visiting scientists. He is also an organizer of computational genomics seminar series in the Division of Biomedical Statistics and Informatics.