



Guanghui Han, Ph.D.

Director, Mass Spectrometry Center

BGI Americas Corp.

2904 Orchard Parkway, San Jose, CA 95134

Email: Guanghui.han@bgi.com

Web: www.bgi.com/us

Curriculum Vitae

Dr. Guanghui Han's research focus is on developing cutting-edge methods and platforms for protein therapeutics characterization with Mass spectrometry.

Dr. Guanghui Han is currently the Director of Mass Spectrometry Center in San Jose at BGI Americas Corporation. Dr. Han obtained his B.S. degree from Jilin University in 2004, and his PhD degree from Dalian Institute of Chemical Physics, Chinese Academy of Sciences in 2010. During his PhD study, Dr. Han have developed novel techniques and methods for cancer biomarkers discovery by LC-MS/MS based protein phosphorylation analysis at both large-scale proteome level and individual protein level. Dr. Han received his post-doctoral training at Johns Hopkins School of Medicine in Dr. Gerald Hart's group. His research was focused on understanding the role of O-GlcNAcylation in disease, a modification discovered in the Hart lab, and specifically worked on methods for enrichment and detection of the modification in kinases and their roles in the crosstalk between glycosylation and phosphorylation. In 2014, Dr. Han joined Genentech Inc, where his role as a scientific manager was to develop and apply MS based technologies for characterization of therapeutic molecules, including bispecific antibodies, fusion proteins, PEG-Fab conjugates, antibody-drug conjugates (ADCs) *et al.*, and especially developed new analytical techniques for interrogating non-covalent protein-ligand interactions, MHC complex, membrane protein complexes and other large molecule complexes. In 2018, Dr. Han helped found the Mass Spectrometry Center in San Jose at BGI Americas Corporation to provide high quality Mass Spec service for customers with a special focus on developing cutting-edge methods and platforms for protein therapeutics characterization with state-of-the-art Mass Spectrometers.

Dr. Guanghui Han has published more than 40 papers on variety of international journals, including *Nature*, *Molecular cell*, *Molecular & Cellular Proteomics*, *Analytical Chemistry*, *mAbs*, *et al*, with total citation over 3,000 times.