



Steven Carr, Ph.D.
SU2C Scientific Advisory Committee



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Steven Carr, Ph.D. is the senior director of proteomics at the Broad Institute of the Massachusetts Institute of Technology (MIT) and Harvard University. He is also an institute scientist at the Broad. Steve is internationally recognized as a leader in the development and application of novel proteomics methods. His group collaborates with scientists throughout the Broad Institute community and worldwide to address compelling questions in biology, chemistry, and medicine. Research in his laboratory focuses on the development and application of next-generation methods to quantify proteins in complex mixtures and to define their interaction partners and modifications (e.g. phosphorylation, ubiquitylation etc.) in tissues, cells and biofluids. Steve and his group also develop and pipeline cloud-based computational approaches to extract new knowledge from the results. His laboratory has pioneered multi-omic and proteogenomic studies of a wide range of cancers, metabolic, and infectious diseases. Steve's laboratory has also made substantial contributions to the understanding of immune biology and helped develop personalized immunotherapies through analysis of HLA class I and II peptides.

Prior to his appointment at the Broad institute in 2004, Steve held scientific leadership positions at GlaxoSmithKline where he was the director of computational and structural sciences and at Millennium Pharmaceuticals where he was senior director of protein science and technology. He has authored more than 400 publications on the development and use of proteomics and biological mass spectrometry, which have garnered more than 70,000 citations. He is also a deputy editor of *Molecular and Cellular Proteomics*, the leading journal in the field of proteomics. For his work, Steve has received a number of awards, including the 2011 Discovery Award in Proteomics from the Human Proteome Organization, the 2011 Thought Leader Award in Proteomics from the Agilent Foundation, and the 2014 Wallace H. Coulter Lectureship Award.