Dr. Cantley has made significant advances in cancer research, stemming from his discovery of the signaling pathway phosphoinositide 3-kinase (PI3K) in 1984. His pioneering research has resulted in revolutionary treatments for cancer, diabetes and autoimmune diseases. Dr. Cantley has authored over 400 original papers and more than 50 book chapters and review articles. For his ground-breaking research, Dr. Cantley has been recognized by numerous awards, including Life Sciences Breakthrough Prize, Ross Prize in Medicine, Canada Gairdner International Award, and the Wolf Prize in Medicine.