



Prof Hudson H. Freeze

Hudson Freeze received his Ph.D. in Biology from the University of California, San Diego in 1976 and is currently both Director of the Genetic Disease Program and Professor of Glycobiology at Sanford-Burnham Medical Research Institute in La Jolla, CA. Dr. Freeze has worked in Glycobiology for over 37 years. His early work in the late 1970's centered on understanding lysosomal enzyme targeting related to human I-cell disease, and later (1997-on) refocused on Congenital Disorders of Glycosylation (CDG).

Dr. Freeze and his collaborators discovered the first patient with an inherited deficiency in phosphomannose isomerase (CDG-Ib) and successfully treated him with oral mannose supplements. Alone or in collaborations; the Freeze lab has now discovered 17 human glycosylation disorders. Motivated by these patients and their new defects, the lab is poised to expand the fundamental understanding of monosaccharide metabolism, monosaccharide and nucleotide sugar transport and N-glycan transfer to proteins

Dr. Freeze is a leader in the Glycobiology field, and a sought-after speaker on CDG issues. He is the Vice President Elect for Science Policy of FASEB, a US-based organization representing over 100,000 medical research scientists.