



Professor of Chemistry,

APS Fellow

contributions in profound understanding of conformation, dynamics and phase transition of macromolecular chains in solution, Professor Chi Wu was elected as a Fellow of the American Physical Society and a Member of Chinese Academy of Sciences in 1999 and 2003, respectively. His research mainly combines synthetic chemistry, polymer physics and molecular biology to design and execute decisive experiments to address certain important problems in biology, macromolecules and polymer colloids, including the development of non-viral vectors for gene and molecular medicines; the nucleation of protein-protein aggregation in neuron-degenerative diseases; the stress-induced stem cell differentiation and its biomedical applications; the design, synthesis and self-assembly of functional macromolecules; the structure and dynamics of polymer solutions and gel networks; and molecular characteristic properties of intractable and special polymers. His current research interest has mainly moved to food science and processing, especially profound processing of soy proteins. For details: <http://chiwu.chem.cuhk.edu.hk>