Richard Friesner, Prof. at Columbia University, Schrödinger co-founder, **Columbia University**

Richard A. Friesner received his B. S. degree in chemistry from the University of Chicago in 1973. He obtained his Ph.D. in 1979 at the University of California, Berkeley, working in the laboratory of Kenneth Sauer. He then spent three years as a postdoctoral fellow working with Robert Silbey at the Massachusetts Institute of Technology. He joined the Chemistry Department at the University of Texas at Austin in 1982. In 1990, he became Professor of Chemistry at Columbia University. He has published more than 250 papers in refereed journals. His work is currently focused on computational modeling of complex systems biology and materials sciences. Specific interests include protein structure prediction, structure based drug design, modeling of enzyme reactions, and modeling of nanosystems such as silicon nanoparticles and carbon nanotubes with a particular focus on solar energy applications. In 1990, Prof. Friesner co-founded Schrodinger, Inc, and he currently serves as the head of its Scientific Advisory Board. Prof. Friesner has led the development of many innovative, widely used software programs for computational chemistry and drug design, including Jaguar (ab initio quantum chemistry), Glide (high throughput docking and scoring), WaterMap (analysis of the thermodynamics of water molecules in receptor binding sites) and Prime (high resolution protein structure prediction, modeling of induced fit effects in protein-ligand complexes).