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David Goldenberg, PhD

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David Goldenberg is a Professor of Biology at the University of Utah, Salt Lake City, UT. He received an A.B. degree, with majors in chemistry and mathematics, from Whitman College and his Ph.D. in biology from the Massachusetts Institute of Technology. His graduate research was a study of the in vivo folding of a bacteriophage structural protein, the tail-spike protein of phage P22. After receiving his Ph.D., Dr. Goldenberg was a post-doctoral fellow at the Medical Research Council Laboratory of Molecular Biology, in Cambridge England, where he studied the in vitro folding mechanism of a small-disulfide bonded protein, bovine pancreatic trypsin inhibitor (BPTI) and chemically modified variants, including a circularly-permuted form.

Since 1985, Dr. Goldenberg has been a faculty member in the Department of Biology at the University of Utah, where he is also holds adjunct positions in the Departments of Chemistry and Biochemistry. His research during this time has continued to focus on questions of protein folding and dynamics and has included mutational studies of the BPTI folding pathway and NMR studies of the effects of mutations on protein dyanimics. Most recently, he has studied the physical properties of intrinsically disordered proteins and the effects of macromolecular crowding on disordered proteins, using computational simulations and small-angle X-ray and neutron scattering. Dr. Goldenberg is extensively involved in undergraduate and graduate education at the University of Utah. His teaching activities include a biochemistry laboratory course and graduate lectures on NMR spectroscopy.

Dr. Goldenberg is a member of the Protein Society and has served that organization twice as a member of its Executive Council (2003-2006 and 2010-2013) and chaired the Program Committee for its 2010 Symposium. He is also a member of the American Society for Biochemistry and Molecular Biology (ASBMB). He has served on grant review panels for the National Science Foundation and the National Institutes of Health and on the Editorial Boards of Protein Science and the FASEB Journal.

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