

Bill DeGrado

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William (Bill) DeGrado's work focuses on the design of peptides, proteins, and small molecule drugs. He received his Ph.D. in organic chemistry from the University of Chicago (1981). Bill was a member of DuPont Central Research and DuPont Merck Pharmaceutical Company from 1981 to 1996. In 1996, Bill moved to the Department of Biochemistry and Biophysics at the University of Pennsylvania, where he was a professor in the department of Biochemistry & Biophysics and an adjunct member of the Chemistry Department. In 2011 he moved to the Department of Pharmaceutical Chemistry at the University of California San Francisco, where he is currently a professor and member of the Cardiovascular Research Institute. He is a member of the National Academy of Science and the American Academy of Arts and Sciences. He also was the scientific founder of PolyMedix, which was recently purchased by Cellceutix. Some of Bill's research interests include: de novo design of proteins and peptide design; peptide mimetics; structure, stability, and function of membrane proteins, including integrins and viral ion channels; design of biomimetic polymers; bioinorganic chemistry; and computational approaches to small molecule and protein design.