



# FASEB

Federation of American Societies  
for Experimental Biology



## Ralph A. Bradshaw, PhD

### *FASEB Board of Directors*

Ralph A. Bradshaw holds degrees from Colby College (1962) and Duke University (1966) and has been a member of the faculty of Indiana University (1966-67), the University of Washington (1967-69), Washington University of St. Louis (1969-1982), and the University of California - Irvine (1982-present), San Francisco (2006-2015) and San Diego (2016-present) campuses. From 1982-1992, he served as the Chair of the Department of Biological Chemistry at UCI. He is presently Professor Emeritus in the Department of Physiology & Biophysics at UC Irvine and Professor in the Department of Pharmacology, UC San Diego.

Dr. Bradshaw's training and research experiences have focused on the structure and function of proteins with particular attention to polypeptide growth factors and their receptors. These latter studies included the relationship of structure to mechanism of action of several of these entities such as nerve growth factor, fibroblast growth factor, and epidermal growth factor. They have also been directed to the signal transduction properties of these entities (and their precursors) in both normal and pathological conditions using stably transfected chimeric receptors and phosphoproteomic analyses. Dr. Bradshaw has also contributed to the molecular characterization of several dozen proteins including many dehydrogenases and extra/intracellular proteases; this latter work is partly reflected in his studies on co-translational processing of protein N-termini and their role in regulating protein turnover in eukaryotic cells. He has authored/co-authored nearly 400 scientific articles and edited over a dozen and half books; he has had generous research support from the NIH, NSF, and the American Cancer Society.

Dr. Bradshaw has served as president of the Federation of American Societies for Experimental Biology (1995-96), treasurer of the American Society for Biochemistry and Molecular Biology (1991-97) and was the founding president of the Protein Society (1986-87). He was treasurer of the Keystone Symposia in Molecular and Cellular Biology (1997-07), and a member of the Executive Committee of the IUBMB (1991-97). He has been a member of the USHUPO Council since 2005. He has also been an Associate editor of the Journal of Biological Chemistry, a founding Associate Editor of Protein Science and the founding Editor-in-Chief of Molecular and Cellular Proteomics.

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