

Howard Prentice PhD, is a Professor of Biomedical Science in the Charles E. Schmidt College of Medicine at Florida Atlantic University, Boca Raton, FL. Dr. Prentice obtained his Ph.D. in biochemistry in 1987 from the Institute of Neurology, University of London and then did his postdoctoral research with Dr. Larry Kedes at Stanford University and at the University of Southern California. Dr. Prentice has over 70 publications including Papers in PNAS, EMBO Journal, Cell, Molecular Neurobiology and Molecular and Cell Biology. Dr. Prentice's principal research interests are in tissue hypoxia and ischemia and in molecular pathways of neuroprotection in stroke therapy. In basic science Dr. Prentice has contributed to an understanding of hypoxic adaptations that include alterations in neuronal potassium channel gene expression relative to oxygen availability. In addition Dr. Prentice has investigated ischemic tissue protection including anti - apoptotic mechanisms and preconditioning pathways. Dr. Prentice's translational studies have resulted in recent patent awards and these investigations have included analyses of the mechanisms underlying novel stroke therapies.