



Molecular Neuroendocrinology: From Genome to Physiology (Hardback)

By David Murphy, Harold Gainer

John Wiley Sons Inc, United States, 2016. Hardback. Book Condition: New. 248 x 80 mm. Language: English . Brand New Book. Molecular Neuroendocrinology: From Genome to Physiology, provides researchers and students with a critical examination of the steps being taken to decipher genome complexity in the context of the expression, regulation and physiological functions of genes in neuroendocrine systems. The 19 chapters are divided into four sectors: A) describes and explores the genome, its evolution, expression and the mechanisms that contribute to protein, and hence biological, diversity. B) discusses the mechanisms that enhance peptide and protein diversity beyond what is encoded in the genome through post-translational modification. C) considers the molecular tools that today's neuroendocrinologists can use to study the regulation and function of neuroendocrine genes within the context of the intact organism. D) presents a range of case studies that exemplify the state-of-the-art application of genomic technologies in physiological and behavioural experiments that seek to better understand complex biological processes. Written by a team of internationally renowned researchers Both print and enhanced e-book versions are available Illustrated in full colour throughout This is the third volume in a new Series Masterclass in Neuroendocrinology , a co- publication between...



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