PCR in Neuroscience



Edited by

Gobinda Sarkar



Methods in Neurosciences

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Methods In Neurosciences Vol 26 Pcr In Neuroscience:

PCR in Neuroscience, 1995-04-13 The volumes in this series include contemporary techniques significant to a particular branch of neuroscience They are an invaluable aid to the student as well as the experienced researcher not only in developing protocols in neuroscience but in disciplines where research is becoming closely related to neuroscience Each volume of Methods in Neurosciences contains an index and each chapter includes references Dr Conn became Editor in Chief of the series beginning with Volume 15 so each subsequent volume could be guest edited by an expert in that specific field This further strengthens the depth of coverage in Methods in Neurosciences for students and researchers alike Direct application of PCR to fresh or frozen clinical specimens e g blood and solid tissue Complete retrieval of novel expressed genes by PCR without screening a library Quantitation by PCR Mutagenesis by PCR PCR in AIDS research Simple and effective protocols for PCR on archival specimens Neoplastic Diseases of the Blood Peter H. Wiernik, 2003-06-09 In this fourth edition of the classic work on malignant blood cancers the team of editors and over 100 international leaders in the field provide a comprehensive text on the diagnosis and treatment of all hematologic malignancies both common and rare The sixty two chapters are divided into sections on Chronic Leukemias and Related Disorders Acute Leukemias Myeloma and Related Disorders Lymphomas and Supportive Care with a devoted editor for each section This extensively revised and updated edition reflects the tremendous progress in the science and treatment of hematologic malignancies during the eight years since the third edition in 1995 Revisions and new chapters include coverage of stem cell transplantation molecular genetics monoclonal antibodies and new treatment modalities. The excellent discussions of current therapies for all hematologic neoplasms are more detailed than those in general oncology or hematology texts making this an essential reference for all hematologists and oncologists **International Journal of Neuroscience** ,1996 **G Proteins** Patrick C. Roche, 1996-03-27 G Proteins Measurement and Manipulation of Intracellular Ions, 1995-10-10 This practical book provides the detailed methodology and expert guidance required for measuring and manipulating cytosolic ion concentrations In addition the strengths weaknesses and pitfalls of various techniques are presented It is an invaluable source for those needing an objective evaluation of current methodologies and for those contemplating setting up such procedures A one source reference for measuring and manipulating intracellular ions and for comparing and evaluating current methodologies Includes overviews of Optical probes and reagents Fabrication and use of ion selective microelectrodes Use of NMR spectroscopy Ionophores Forthcoming Books Rose Arny, 1995-02 **Ouantitative Neuroendocrinology**, 1995-10-16 In this volume contemporary methods designed to provide insights into mathematical structure for and predictive inferences about neuroendocrine control mechanisms are presented Collates an array of contemporary techniques for analysis of neuroendocrine data Discusses current problems in and solutions to neurohormone pulse analysis Identifies relevant software available Nitric Oxide Synthase: Characterization and Functional

Analysis, 1996-09-18 Although the function of nitric oxide in a regulatory capacity in the central and peripheral nervous system is widely recognized the full scope of its actions and its interrelationships with other classes of regulatory molecules is just beginning to be comprehended This volume contains a number of sophisticated and advanced methods essential for exploring the activity of nitric oxide in the brain It will be a valuable tool for the established investigator and for those just entering the field Comprehensive protocols included for detection of NO and related compounds by chemical immunohistochemical and in situ hybridization techniques Newly developed methods for the purification of neuronal and endothelial NO synthase production of monoclonal antibodies to NO synthase molecular cloning and expression of NO synthesis and control of NO synthase gene expression Assessment of NO mediated functions in neurons central nervous system cerebral circulation synaptic transmission and vascular tone Calcium imaging by confocal microscopy evaluation of the effect of NO on iron metabolism and detection of heme oxygenase 1 and 2 message level and distribution of Neural Injury ,1996-05-23 This volume includes paradigms model systems and techniques for the study of dysfunctions in the nervous system The advantages and disadvantages of the approaches presented are critically discussed Neural injury Developmental cell death Disease processes and aging Books in Print Supplement ,1994 Subject Guide to Books in Paperbound Books in Print 1995 Reed Reference Publishing, R5ference Reed, 1995-12 Print ,1996 Books in Print, 1991

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