

in vivo

International Journal of Experimental and Clinical Pathophysiology and Drug Research

Volume 18, Number 3, May-June 2004
Nitric Oxide in Brain Pathophysiology
Special Issue Edited by G. Deliconstantinos

Contents

* Nitric Oxide and Cellular Stress Response in Brain Aging and Neurodegenerative Disorders: The Role of Vitagenes. V. CALABRESE, D. BOYD-KIMBALL, G. SCAPAGNINI, D.A. BUTTERFIELD (<i>Catania, Italy; Lexington, KY, USA</i>).....	245
Stimulation of Nerve Growth Factor Expression in Astrocytes by Peroxynitrite. M.R. VARGAS, M. PEHAR, P. CASSINA, A.G. ESTÉVEZ, J.S. BECKMAN, L. BARBEITO (<i>Montevideo, Uruguay; Birmingham, AL; Corvallis, OR, USA</i>)	269
Astrocytic Nitric Oxide Triggers Tau Hyperphosphorylation in Hippocampal Neurons. T.E. SAEZ, M. PEHAR, M. VARGAS, L. BARBEITO, R.B. MACCIONI (<i>Santiago, Chile; Montevideo, Uruguay</i>).....	275
* The Role of Nitric Oxide in the Radiation-induced Effects in the Developing Brain. P. GISONE, D. DUBNER, M. DEL ROSARIO PÉREZ, S. MICHELIN, S. PUNTARULO (<i>Buenos Aires, Argentina</i>)	281
* Differential Role of Extra- and Intracellular Superoxide Anions for Nitric Oxide-mediated Apoptosis Induction. M. STEINMANN, N. MOOSMANN, M. SCHIMMEL, C. GERHARDUS, G. BAUER (<i>Freiburg, Germany</i>)	293
* Modulation of Retinal Dopaminergic Cells by Nitric Oxide. A Protective Effect on NMDA-induced Retinal Injury. Y. KITAOKA, T. KUMAI (<i>Kanagawa, Japan</i>)	311
CCK-8S Systemic Administration Blocks the 7-Nitroindazole-induced Effects on the EEG of Striatum and Globus Pallidus: a FFT Analysis in the Rat. G. FERRARO, P. SARDO, G. DI GIOVANNI, R. FILECCIA, V. LA GRUTTA (<i>Palermo, Italy</i>).....	317
* The Role of Nitric Oxide in the Pathogenesis of Brain Lesion During the Development of Alzheimer's Disease. D. SEYDOVA, A. ALIYEV, N. RZAYEV, M. OBRENOVICH, B.T. LAMB, M.A. SMITH, J.C. DE LA TORRE, G. PERRY, G. ALIEV (<i>Cleveland, OH, USA</i>)	325
* Apoptosis and Cytochrome c Release in Cerebellar Granule Cells. A. BOBBA, A. ATLANTE, L. DE BARI, S. PASSARELLA, E. MARRA (<i>Bari; Campobasso, Italy</i>)	335

Contents continued at the back cover

Contents continued

* Functional Significance of Nitric Oxide in the Inner Ear. M. TAKUMIDA, M. ANNIKO (<i>Hiroshima, Japan; Uppsala, Sweden</i>)	345
A Potent Antioxidant, Lycopene, Affords Neuroprotection Against Microglia Activation and Focal Cerebral Ischemia in Rats. G. HSIAO, T.H. FONG, N.H. TZU, K.H. LIN, D.S. CHOU, J.R. SHEU (<i>Taipei, Taiwan</i>)	351
* Nitric Oxide and Brain Hyperexcitability. G. FERRARO, P. SARDO (<i>Palermo, Italy</i>)	357
* Regulation of Programmed Cell Death in Neuronal Cells by Nitric Oxide. Y.-C. KANG, P.K. KIM, B.-M. CHOI, H.-T. CHUNG, K.-S. HA, Y.-G. KWON, Y.-M. KIM (<i>Kangwon-do; Chonbuk; Seoul, Korea; Pittsburgh, PA, USA</i>)	367
* Nitric Oxide as a Physiopathological Factor in Neuropsychiatric Disorders. O. AKYOL, S.S. ZOROGLU, F. ARMUTCU, S. SAHIN, A. GUREL (<i>Ankara; Gaziantep; Zonguldak; Tokat, Turkey</i>)	377
* <i>In Vitro</i> Evidence Supporting the Therapeutic Role of Nicotine Against Neurodegeneration. E. WILLIAMS, W. LINERT (<i>Vienna, Austria</i>)	391

* Reviews (pp 245, 281, 293, 311, 325, 335, 345, 357, 367, 377, 391)