

JOURNAL OF
**Neurodegeneration
&
Regeneration**
Official Journal of the Society of
Neurodegeneration and Regeneration

Vol. 1, No. 1
Fall 2008
ISSN 1932-1481

■ FROM THE PUBLISHER

■ EDITORIALS

■ ORIGINAL ARTICLES

■ FROM THE PUBLISHER

Exploring a new medical frontier 5
Richard A. DeVito, Jr., Publisher

■ EDITORIALS

Adult neural stem cells from promise to treatment: The road ahead . . 7
Philippe Taupin, PhD, Editor-in-Chief—Research

**Understanding nervous system degeneration, injury, and repair:
New territory that may require new methodological approaches
for success 9**
Cathy M. Helgason, MD, Editor-in-Chief—Clinical

■ ORIGINAL ARTICLES

**Changes in NADPH-d/nitric oxide synthase perivascular
networks in rat cerebral cortex after autologous blood
injection in the subarachnoid spaces. 11**
Diego Garbossa, MD; Marco Fontanella, MD
Alessandro Ducati, MD; Alessandro Vercelli, MD

**Presence of glatiramer acetate-specific TH2 cells in the
cerebrospinal fluid of patients with multiple sclerosis
12 months after the start of therapy with glatiramer acetate 19**
Tjalf Ziemssen, MD; Heinz Reichmann, MD
Hauke Schneider, MD

**LIF treatment reduces Nogo-A deposits in spinal cord injury
modulating Rho GTPase activity and CRMP-2 phosphorylation 23**
Michael F. Azari, BAppSc(Chiro), PhD; Ezgi Ozturk, BSc(Hons)
Christos Profyris, BSc(Hons), BA; Shunhe Wang, MD
David H. Small, PhD; Claude C.A. Bernard, DES, DSc
Steven Petratos, PhD

**Differential actions of pituitary adenyl cyclase-activating
polypeptide and interferon gamma on Th2- and Th1-associated
chemokine expression in cultured murine microglia 31**
Derek A. Wainwright, MS; Junping Xin, MD
Virginia M. Sanders, PhD, Kathryn J. Jones, PhD

Role of testosterone in patients with Alzheimer's disease. 35
Vasileios T. Papaliagkas, MD; Georgios A. Anogianakis, MD, PhD
Magda N. Tsolaki, MD, PhD

**Effects of nerve graft implantation technique on axonal
regeneration after spinal cord injury 43**
Liudmila N. Novikova, PhD

**Adult neurogenesis and pharmacology in Alzheimer's
disease and depression 51**
Philippe Taupin, PhD