

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

Vol. 2, No. 1
Fall 2009
ISSN 1932-1481

■ EDITORIAL

■ ORIGINAL ARTICLES

■ REVIEW ARTICLE

■ EDITORIAL

Call for Manuscripts 5

Adult neurogenesis in the pathogenesis of Alzheimer's disease 6
Philippe Taupin, PhD, Editor-in-Chief—Research

■ ORIGINAL ARTICLES

**Characterization and isolation of synapses
of newly generated neuronal cells of the adult
hippocampus at early stages of neurogenesis** 9
Philippe Taupin, PhD

**A chondroitinase-treated, decellularized nerve
allograft compares favorably to the cellular
isograft in rat peripheral nerve repair** 19
James B. Graham, BA; Qing-Shan Xue, PhD
Debbie Neubauer, MS; David Muir, PhD

**Isoform-specific effects of apolipoprotein E
on microglial activation in cortical and microglial
cultures from adult mouse brain** 31
Anna G. Barsukova, MS; Robert G. Struble, PhD
Britto P. Nathan, PhD

**Effects of facial nerve axotomy on Th2-associated
and Th1-associated chemokine mRNA expression
in the facial motor nucleus of wild-type
and presymptomatic SOD1 mice** 39
Derek A. Wainwright, MS; Nichole A. Mesnard, BS
Junping Xin, MD, PhD; Virginia M. Sanders, PhD
Kathryn J. Jones, PhD

■ REVIEW ARTICLE

**Can vision be restored following a human
optic nerve lesion?** 45
Damien P. Kuffler, PhD