Contents Volume 4 (1992)

No. 1, April 1992

Announcement from the Publisher

Research Reports
α-Noradrenergic agonists and antagonists affect recovery and maintenance of beam-walking ability after sensorimotor cortex ablation in the rat
R.L. Sutton and D.M. Feeney (USA)

Axonal projections and functional recovery following fascicular repair of the rat sciatic nerve with Y-tunnelled silicone chambers
Q. Zhao, L.B. Dahlin, M. Kanje, G. Lundborg and S.-B. Lu (Sweden, People’s Republic of China)

Sabeluzole accelerates neurite outgrowth in different neuronal cell lines
H. Geerts, R. Nuydens, R. Nuydens and F. Cornelissen (Belgium)

Radial maze performance after hippocampal lesions: beneficial effects of nimodipine
C. Nelson, J. Bawa and S. Finger (USA)

Phenotypic plasticity of ‘mature’ human foetal mesencephalic dopaminergic neurons and glial cells
A. Detta, P. Grabham and E. Hitchcock (UK)

Short Communications

Use of amphetamine in the treatment of aphasia

Interactive effects of insulin, IGF-I and GM1 ganglioside on growth of PC12 cells
A.J. Yates and J. Conley (USA)

Abstracts selected from Excerpta Medica’s EMBASE

No. 2, May 1992

Announcement from the Publisher

Review Article
Factors influencing structure and function of intracerebral grafts in the mammalian brain: a review
J.C. Cassel, C. Kelche, M. Majchrzak and B.E. Will (France)

Research Reports
Target regulation of synaptic number in the expanded retinotectal projection of goldfish: the half-retinal preparation
M. Murray and S.C. Sharma (USA)

Calcitonin gene-related peptide (CGRP) in the regenerating rat sciatic nerve
G. Raivich, F.L. Dumoulin, W.J. Streit and G.W. Kreutzberg (FRG, USA)

Abstracts selected from Excerpta Medica’s EMBASE
### No. 3, July 1992

2. Oral. Huntington’s Disease Models  
3. Oral. Growth Factors and Axonal Guidance  
4. Oral. Alzheimer’s Disease and Memory Models  
5. Oral. Transplants for the Study of Development  
6. Oral. Immunology  
8. Posters. Huntington’s Disease and Striatal Grafts  
9. Posters. Alzheimer’s Disease and Memory Models  
10. Posters. Transplants for the Study of Development  
11. Posters. Immunology  
12. Posters. Effects of Glial Cells  
13. Posters. Adrenal Medulla: Preclinical  
14. Posters. Dopaminergic Cells and Tissues  
15. Posters. Substantia Nigra: Preclinical  
16. Posters. Primate Methodology  
17. Oral. Functional Analysis and Assessment  
18. Oral. Effects of Glial Cells  
20. Submitted Oral. New Methods, Models, and Ideas  
21. Submitted Oral. Parkinson’s Disease: from Models to Man  
26. Oral. Polymers, Encapsulation, and Artificial Organs  
27. Oral. Genetic Engineering  
30. Posters. Visual System  
32. Posters. Genetic Engineering  
33. Posters. Adrenal Medulla Grafts in Human Patients  
34. Posters. New Models and Functional Analysis Methods  
35. Posters. Hypothalamus and Pituitary  
36. Posters. Epilepsy  
37. Posters. Neocortex and Ischemia/Stroke Models  
38. Posters. Spinal Cord  
41. Oral. Spinal Cord  
42. Oral. New Horizons in Neutral Transplantation  
43. Oral. Substantia Nigra Grafts in Human Patients

### No. 4, July 1992

*Announcement from the Publisher*

*Invited Editorial and Conference Report*

Progress in understanding recovery of function after brain damage: the need for collaboration  
F.D. Rose and D.A. Johnson (UK)
Research Reports

Rehabilitation of homonymous scotomata in patients with postgeniculate damage of the visual system: saccadic compensation training

G. Kerkhoff, U. Münßinger, E. Haaf, G. Eberle-Strauss and E. Stögerer (Germany) 245

Correlation between vestibular habituation and postural recovery in cerebellar patients

H. Suarez, C. Caffa and O. Macadar (Uruguay) 255

Grafted fetal suprachiasmatic nucleus cells survive much better in tissue pieces than in suspension

G.J. Boer, H.A. Griffioen and P. Saeed (The Netherlands) 261

Case Report

Infantile right hemisphere injury: a case report with MRI and 13 year follow-up

H.S. Levin, F.C. Goldstein, M.J. Crofford, H.M. Eisenberg and F.C. Guinto Jr. (USA) 271

Short Communications

Sensory deprivation prevents integration of neocortical grafts with the host brain

A.G. Bragin, O.S. Vinogradova and V.S. Stafekhina (USSR) 279

Differential sound-evoked metabolic activity in fetal tectum grafted into damaged adult rat inferior colliculus

M.C. Zrull, T.M. Wessinger and J.R. Coleman (USA) 285

Abstracts selected from Excerpta Medica’s EMBASE 291

No. 5, October 1992

Announcement from the Publisher

iii

Research Reports

Intracerebral transplantation of the A7 immortalized astrocytic cell line

M. Isono, H.M. Geller, M. Poltorak and W.J. Freed (USA) 301

Implantation of the myenteric plexus into the corpus striatum of adult rats: survival of the neurons and glia and interactions with host brain

E.M.M. Tew, P.N. Anderson and G. Burnstock (UK) 311

Changes in somatosensory circuits after subcortical infarct in rats

K. Kataoka, T. Hayakawa, T. Mushiroi, A. Wakayama, K. Yamada, R. Kuroda and M. Ioku (Japan) 323

Muscle force recovery after continuous direct current stimulation of a crushed nerve

S. Ribarić, A. Stefanovska, L. Vodovnik and P. Cvirić (Slovenia) 331

Directional specificity of regenerating primary sensory neurons after peripheral nerve crush or transection and epineurial suture. A sequential double-labeling study in the rat

C. Molander and H. Aldskogius (Sweden) 339

Clinical Report

On the late failure of spinal cord stimulation for deafferentation pain

J.D. Cole, L.S. Illis and E.M. Sedgwick (UK) 345

Book Review

349

Abstracts Selected from Excerpta Medica’s EMBASE

351

Announcement

361

No. 6, December 1992

Announcement from the Publisher

iii
Research Reports

Prolonged $T_1$ values of the crushed nerve are not exclusively attributable to Wallerian degeneration or endoneurial edema
S. Ribarič, O. Jarh, A. Sepe and F. Demsar (Slovenia)

Physiological and behavioral consequences of delayed septal grafts in the subcortically denervated hippocampus
G. Buzsáki, M. Hsu, Z. Horváth and F.H. Gage (USA)

Spiny interneurons identified in the normal mouse spinal cord show alterations in the Wobbler mouse: a model for inherited motoneuron disease
W. Ma and L.L. Vacca-Galloway (China, Hong Kong)

Fetal neocortical transplants in rats: blood–brain barrier development and partial permeability to IgG in long-surviving grafts
B.S. Klausen, R.S. Swenson, J. Zimmer and A.J. Castro (USA, Denmark)

Stroke rehabilitation — who benefits? A comparison of medical wards and rehabilitation units
S. Shah, F. Vanclay and B. Cooper (Australia)

NGF receptor (p75)-immunoreactivity within hypoglossal motor neurons following axotomy in monkeys
J.H. Kordower, K.S. Bankiewicz and E.J. Mufson (USA)

Short Communications

Modulation of locomotion by a nerve graft across a spinal transection in rat
E. Garcia-Rill, J.D. Houle, N.B. Reese and R.D. Skinner (USA)

Progesterone treatment attenuates brain edema following contusion injury in male and female rats
R.L. Roof, R. Duvedevani and D.G. Stein (USA)

Book Review

Abstracts Selected from Excerpta Medica’s EMBASE

Contents Volume 4