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Gonadotropin-releasing Hormone-containing Neurons Change Size with Reproductive State in Female Haplochromis burtoni
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Three Subtypes of α-Bungarotoxin-Sensitive Nicotinic Acetylcholine Receptors Are Expressed in Chick Retina

Treatment of the Adult Retina with Microglia-suppressing Factors Retards Axotomy-induced Neuronal Degradation and Enhances Axonal Regeneration in vivo and in vitro
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Overexpression of Ca2+/Calmodulin-dependent Protein Kinase II in Neuro2a and NG108-15 Neuroblastoma Cell Lines Promotes Neurite Outgrowth and Growth Cone Motility
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Examination of TEA-induced Synaptic Enhancement in Area CA1 of the Hippocampus: The Role of Voltage-dependent Ca\textsuperscript{2+} Channels in the Induction of LTP
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NGF Induces Neonatal Rat Sensory Neurons to Extend Dendrites in Culture after Removal of Satellite Cells
P. De Koninck, S. Carbonetto, and E. Cooper

A Muscle Cell Variant Defective in Glycosaminoglycan Biosynthesis Forms Nerve-induced but Not Spontaneous Clusters of the Acetylcholine Receptor and the 43 kDa Protein
H. Gordon, M. Lupa, D. Bowen, and Z. Hall

Molecular Cloning, Functional Properties, and Distribution of Rat Brain \(\alpha_{7}\) Nicotinic Cation Channel Highly Permeable to Calcium
P. Séguéla, J. Wadiche, K. Dineley-Miller, J.A. Dani, and J.W. Patrick

The Epsilon Subunit Confers Fast Channel Gating on Multiple Classes of Acetylcholine Receptors
P. Comacho, Y. Liu, G. Mandel, and P. Brehm

Recovery of Frontal Cortex-mediated Visual Behaviors following Neurotrophic Rescue of Axotomized Neurons in Medial Frontal Cortex
F. Haun and T.J. Cunningham

Intracellular Calcium Levels during the Period of Delayed Excitotoxicity
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Confocal Microscopy Reveals Coordinated Calcium Fluctuations and Oscillations in Synaptic Boutons
N. Melamed, P.J. Helm, and R. Rahamimoff

Evidence for Presynaptic Inhibition of the Olfactory Commissural Pathway by Cholinergic Agonists and Stimulation of the Nucleus of the Diagonal Band
W.T. Nickell and M.T. Shipley

Modal Gating of Na\textsuperscript{+} Channels as a Mechanism of Persistent Na\textsuperscript{+} Current in Pyramidal Neurons from Rat and Cat Sensorimotor Cortex
C. Alzheimer, P.C. Schwindt, and W.E. Crill

Inactivation of NMDA Channels in Cultured Hippocampal Neurons by Intracellular Calcium
P. Legendre, C. Rosenmund, and G.L. Westbrook

Spatiotemporal Responses of Astrocytes, Ramified Microglia, and Brain Macrophages to Central Neuronal Infection with Pseudorabies Virus
L. Rinaman, J.P. Card, and L.W. Enquist

Hypothalamic Lesions That Induce Female Precocious Puberty Activate Glial Expression of the Epidermal Growth Factor Receptor Gene: Differential Regulation of Alternatively Spliced Transcripts

Growth Cone Choices of \textit{Drosophila} Motoneurons in Response to Muscle Fiber Mismatch
A. Chiba, H. Hing, S. Cash, and H. Keshishian
Characterization and Topography of High-Affinity $^{125}$I-Neurotrophin-3 Binding to Mammalian Brain
C.A. Altar, M.R. Criden, R.M. Lindsay, and P.S. DiStefano

Induction of c-fos mRNA by Kindled Seizures: Complex Relationship with Neuronal Burst Firing
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Independent Guidance of Retinal Axons in the Developing Visual System of Drosophila
S. Kunes, C. Wilson, and H. Steller

Organization of Long-Range Inhibitory Connections within Rat Visual Cortex
C.T. McDonald and A. Burkhalter

The Striatal Mosaic in Primates: Striosomes and Matrix Are Differentially Enriched in Ionotropic Glutamate Receptor Subunits

Photic Regulation of Peptides Located in the Ventrolateral Subdivision of the Suprachiasmatic Nucleus of the Rat: Daily Variations of Vasoactive Intestinal Polypeptide, Gastrin-releasing Peptide, and Neuropeptide Y
K. Shinohara, K. Tominaga, Y. Isobe, and S.-I.T. Inouye

Neurogenesis and Differentiation of Sympathetic B and C Cells in the Bullfrog Tadpole
W.D. Stofer and J.F. Horn

Synaptic Potentials in the Central Terminals of Locust Proprioceptive Afferents Generated by Other Afferents from the Same Sense Organ
M. Burrows and G. Laurent

Cell Cycle Parameters and Patterns of Nuclear Movement in the Neocortical Proliferative Zone of the Fetal Mouse
T. Takahashi, R.S. Nowakowski, and V.S. Caviness, Jr.

In vivo Observations of Pre- and Postsynaptic Changes during the Transition from Multiple to Single Innervation at Developing Neuromuscular Junctions
R.J. Balice-Gordon and J.W. Lichtman

Regional Differences in Microtubule Dynamics in the Axon
F.J. Ahmad, T.P. Pienkowski, and P.W. Baas

Inhibition of Ca$^{2+}$ Currents by a $\mu$-Opioid in a Defined Subset of Rat Sensory Neurons
J.E. Schroeder and E.W. McCleskey

Cover picture: Retinal axon fascicles and glial cells in the developing first optic ganglion, the lamina, of Drosophila melanogaster. The axons of retinal photoreceptor cells (stained by Anti-HRP; green fluorescence) and glial cell nuclei (stained by anti-$\beta$-galactosidase antibody; red fluorescence) are viewed by confocal microscopy. Glial cells express $\beta$-galactosidase from the enhancer-trap lacZ insertion, 3-109 (kindly provided by C. Goodman; see also Winberg ML, Perez SE, Steller H [1992] Generation and early differentiation of glial cells in the first optic ganglion of Drosophila melanogaster. Development 115:903-911). See Kunes et al., pp. 752-767.

Correction regarding mesencephalic dopaminergic cell lines: It has been brought to our attention that our paper entitled, “A Novel N18TG2 × Mesencephalon Cell Hybrid