Cell-Specific Expression from the Human Dopamine \( \beta \)-Hydroxylase Promoter in Transgenic Mice Is Controlled via a Combination of Positive and Negative Regulatory Elements

G.W. Hoyle, E.H. Mercer, R.D. Palmiter, and R.L. Brinster

Astrocyte Na\(^+\) Channels Are Required for Maintenance of Na\(^+/K\)\(^-\)-ATPase Activity


Multiple Cholinergic Markers Are Unexpectedly Not Altered in the Rat Dentate Gyrus following Entorhinal Cortex Lesions

I. Aubert, J. Poirier, S. Gauthier, and R. Quirion

Medial Lemniscal and Spinal Projections to the Macaque Thalamus: An Electron Microscopic Study of Differing GABAergic Circuitry Serving Thalamic Somatosensory Mechanisms

H.J. Ralston III and D.D. Ralston

Developmental Regulation of Voltage-gated K\(^+\) Channel and GABA\(_\alpha\) Receptor Expression in Bergmann Glial Cells

T. Müller, J.M. Fritschy, J. Grosche, G.D. Pratt, H. Möhler, and H. Kettenmann

Role of the Forebrain Commissures in Bihemispheric Mnemonic Integration in Macaques

J.D. Lewine, R.W. Doty, R.S. Astur, and S.L. Provencal

6-Hydroxydopamine Lesions of the Prefrontal Cortex in Monkeys Enhance Performance on an Analog of the Wisconsin Card Sort Test: Possible Interactions with Subcortical Dopamine


Cortical Point-Spread Function and Long-Range Lateral Interactions Revealed by Real-Time Optical Imaging of Macaque Monkey Primary Visual Cortex

A. Grinvald, E.E. Lieke, R.D. Frostig, and R. Hildesheim

Developmentally Regulated Alternative Splicing Generates a Complex Array of Drosophila para Sodium Channel Isoforms

J.R. Thackeray and B. Ganetzky

Overproduction of Corticotropin-releasing Factor in Transgenic Mice: A Genetic Model of Anxiogenic Behavior

M P. Stenzel-Poore, S C. Heinrichs, S. Rivest, G F. Koob, and W W. Vale

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R.A. Koch and M.E. Barish
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K.K. Teng and L.A. Greene

Presynaptic Inhibition of Primary Afferent Transmitter Release by 5-Hydroxytryptamine at a Me chanosensory Synapse in the Vertebrate Spinal Cord
K.T. Sillar and A.J. Simmers

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C.-J. Dong, S.A. Picaud, and F.S. Werblin

Early Peripheral Nerve Regeneration after Crushing, Sectioning, and Freeze Studied by Implanted Electrodes in the Cat
K. Fugleholm, H. Schmalbruch, and C. Krarup

Skeletal Muscle-derived Trophic Factors Prevent Motoneurons from Entering an Active Cell Death Program in vitro
J.X. Comella, C. Sanz-Rodriguez, M. Aldea, and J.E. Esquerda

Time Course of Recovery of Extracellular Dopamine following Partial Damage to the Nigrostriatal Dopamine System

Behavioral Evidence of Trigeminal Neuropathic Pain Following Chronic Constriction Injury to the Rat's Infraorbital Nerve
B.P. Vos, A.M. Strassman, and R.J. Maciewicz

Corticosterone Circadian Secretion Differentially Facilitates Dopamine-mediated Psychomotor Effect of Cocaine and Morphine
M. Marinelli, P.V. Piazza, V. Deroche, S. Maccari, M. Le Moal, and H. Simon

Functional Organization of Corticocortical Projections from Area 17 to Area 18 in the Cat's Visual Cortex

Postnatal Development and Plasticity of Corticocortical Projections from Area 17 to Area 18 in the Cat's Visual Cortex

The Neurosteroid 3\alpha-Hydroxy-\Delta_5-Pregnan-20-One Induces Cytoarchitectural Regression in Cultured Fetal Hippocampal Neurons
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Coactivation of Prefrontal Cortex and Inferior Parietal Cortex in Working Memory Tasks Revealed by 2DG Functional Mapping in the Rhesus Monkey

H.R. Friedman and P.S. Goldman-Rakic

Overexpression of a Potassium Channel Gene Perturbs Neural Differentiation

S.M. Jones and A.B. Ribera

ω-Conotoxin Sensitivity and Presynaptic Inhibition of Glutamatergic Sensory Neurotransmission in vitro

W. Gruner and L.R. Silva

A Novel Epitope of Entactin Is Present at the Mammalian Neuromuscular Junction

A.Y. Chiu and J. Ko

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W. Yu and P.W. Baas

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A. Baude, E. Molndr, D. Latawiec, R.A.J. Mcllhinney and P. Somogyi

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I.M. Mintz

Distinct Populations of Sensory Neurons Mediate the Peristaltic Reflex Elicited by Muscle Stretch and Mucosal Stimulation

J.R. Grider and J-G. Jin

Synaptic Plasticity in the Rat Supraoptic Nucleus during Lactation Involves GABA Innervation and Oxytocin Neurons: A Quantitative Immunocytochemical Analysis

U. Gies and D.T. Theodosis

Power Spectrum Analysis of Bursting Cells in Area MT in the Behaving Monkey

W. Bair, C. Koch, W. Newsome, and K. Britten

Basal Cortisol Levels and Cognitive Deficits in Human Aging

S. Lupien, A.R. Lecours, I. Lussier, G. Schwartz, N.P.Y. Nair, and M.J. Meaney

Functional Plasticity of Regenerated and Intact Taste Receptors in Adult Rats Unmasked by Dietary Sodium Restriction

D.L. Hill and L.M. Phillips

The Differential Control of c-Jun Expression in Regenerating Sensory Neurons and Their Associated Glial Cells

C. De Felipe and S.P. Hunt

Glutamate Uptake Inhibition by Oxygen Free Radicals in Rat Cortical Astrocytes

A. Volterra, D. Trotti, C. Tromba, S. Floridi, and G. Racagni

Cover picture: Adult rat sensory neuron grown on a bed of Schwann cells for 7 days in vitro. The neuron is immunostained for neurofilament (blue), and all cell nuclei are strongly c-Jun immunoreactive (brown). See De Felipe and Hunt, pp. 2911–2923.