Journal of Neuroscience

	The Official Journal of the Society for Neuroscience	July 1992 Volume 12 Number 7
	Feature Article: Molecular Mechanisms of Dru	g Addiction
	E.J. Nestler	6
	GABA-mediated Positive Autofeedback Loop Controls Horizontal Cell Kinetics in Tiger Salamander Retina M. Kamermans and F. Werblin	
	Synaptic Basis for Developmental Plasticity in a Birdsong Nucleus R. Mooney	
Disparity Sensitivity of Neurons in Monkey Extrastriate Area MST JP. Roy, H. Komatsu, and R.H. Wurtz		
	Sensory Tuning beyond the Sensory System: An Initial Analysis of Auditory Response Properties of Neurons in the Lateral Amygdaloid Nucleus and Overlying Areas of the Striatum F. Bordi and J. LeDoux	
	Spatiotemporal Increases in Epidermal Growth Nerve Injury J.G. Toma, S. Pareek, P. Barker, T.C. Mathew	
	A Nonphotic Stimulus Causes Instantaneous P Circadian Oscillator of the Syrian Hamster but the Suprachiasmatic Nuclei S. Mead, F.J.P. Ebling, E.S. Maywood, T. Hun	Does Not Induce the Expression of <i>c-fos</i> in
	Olfactory Receptor Neurons from Antennae of to Components of the Species-specific Sex Phes M. Stengl, F. Zufall, H. Hatt, and J.G. Hildebra	romone in vitro
	In vitro Neurogenesis by Neuronal Precursor C S.A. Goldman, A. Zaremba, and D. Niedzwieck	
	Functional Anatomy of Human Procedural Lea Blood Flow and PET S.T. Grafton, J.C. Mazziotta, S. Presty, K.J. Fr	
	Estradiol Mediates Fluctuation in Hippocampa in the Adult Rat C.S. Woolley and B.S. McEwen	al Synapse Density during the Estrous Cycle

Chromosomal Localization of Human Glutamate Receptor Genes

J.O. McNamara, J.H. Eubanks, J.D. McPherson, J.J. Wasmuth, G.A. Evans, and S.F.

2555

Heinemann

2563	Gene Regulation in an Ascending Nociceptive Pathway: Inflammation-induced Increase in Preprotachykinin mRNA in Rat Lamina I Spinal Projection Neurons K. Noguchi and M.A. Ruda
2573	NGF Induces the Expression of the VGF Gene through a cAMP Response Element R.J. Hawley, R.J. Scheibe, and J.A. Wagner
2582	Enduring Memory Impairment in Monkeys after Ischemic Damage to the Hippocampus S. Zola-Morgan, L.R. Squire, N.L. Rempel, R.P. Clower, and D.G. Amaral
2597	A Cell-Surface Heparan Sulfate Proteoglycan Mediates Neural Cell Adhesion and Spreading on a Defined Sequence from the C-Terminal Cell and Heparin Binding Domain of Fibronectin, FN-C/H II P.K. Haugen, P.C. Letourneau, S.L. Drake, L.T. Furcht, and J.B. McCarthy
2609	Dynamic Regulation of NGFI-A (zif 268, egr1) Gene Expression in the Striatum R. Moratalla, H.A. Robertson, and A.M. Graybiel
2623	Regulation of Somatodendritic Dopamine Release in the Ventral Tegmental Area by Opioids and GABA: An <i>in vivo</i> Microdialysis Study M.A. Klitenick, P. DeWitte, and P.W. Kalivas
2633	Differential Effects of Serotonin, FMRFamide, and Small Cardioactive Peptide on Multiple, Distributed Processes Modulating Sensorimotor Synaptic Transmission in Aplysia J.P. Pieroni and J.H. Byrne
2648	Calcium Excitability and Oscillations in Suprachiasmatic Nucleus Neurons and Glia in vitro A.N. van den Pol, S.M. Finkbeiner, and A.H. Cornell-Bell
	A.N. van den Foi, S.M. Finkoeiner, and A.H. Cornen-Ben
2665	Tumor Necrosis Factor Modulates Ca ²⁺ Currents in Cultured Sympathetic Neurons B. Soliven and J. Albert
2672	The Effect of Visual Experience on Development of NMDA Receptor Synaptic Transmission in Kitten Visual Cortex K. Fox, N. Daw, H. Sato, and D. Czepita
2685	Three-Dimensional Structure of Dendritic Spines and Synapses in Rat Hippocampus (CA1) at Postnatal Day 15 and Adult Ages: Implications for the Maturation of Synaptic Physiology and Long-term Potentiation K.M. Harris, F.E. Jensen, and B. Tsao
2706	Presynaptic Control of Modulatory Fibers by Their Neural Network Targets M.P. Nusbaum, J.M. Weimann, J. Golowasch, and E. Marder
2715	Prostaglandin E ₂ Exerts an Awaking Effect in the Posterior Hypothalamus at a Site Distinct from That Mediating Its Febrile Action in the Anterior Hypothalamus H. Onoe, Y. Watanabe, K. Ono, Y. Koyama, and O. Hayaishi
2726	The Lack of Effect of Basic and Acidic Fibroblast Growth Factors on the Naturally Occurring Death of Neurons in the Chick Embryo R.W. Oppenheim, D. Prevette, and F. Fuller
2735	The period Gene Encodes a Predominantly Nuclear Protein in Adult Drosophila X. Liu, L.J. Zwiebel, D. Hinton, S. Benzer, J.C. Hall, and M. Rosbash
2745	Estrogen Suppresses μ -Opioid- and GABA _B -mediated Hyperpolarization of Hypothalamic Arcuate Neurons $M.J.$ Kelly, $M.D.$ Loose, and $O.K.$ Ronnekleiv

- 2751 Astrocyte Precursors in Neonatal Rat Spinal Cord Cultures J. Fok-Seang and R.H. Miller 2765 Nicotine Binding and Nicotinic Receptor Subunit RNA after Chronic Nicotine Treatment M.J. Marks, J.R. Pauly, S.D. Gross, E.S. Deneris, I. Hermans-Borgmeyer, S.F. Heinemann, and A.C. Collins Intrinsic Lattice Connections of Macaque Monkey Visual Cortical Area V4 2785 T. Yoshioka, J.B. Levitt, and J.S. Lund Multiple Axonal Spike Initiation Zones in a Motor Neuron: Serotonin Activation 2803 P. Meyrand, J.M. Weimann, and E. Marder 2813 A Signal Sequence Mediates the Retrograde Transport of Proteins from the Axon Periphery to the Cell Body and Then into the Nucleus R.T. Ambron, R. Schmied, C.-C. Huang, and M. Smedman 2819 Intracellular Recordings from Neurobiotin-labeled Cells in Brain Slices of the Rat Medial Nucleus of the Trapezoid Body M.I. Banks and P.H. Smith 2838 Developmental Changes in Calcium Conductances Contribute to the Physiological Maturation of Cerebellar Purkinje Neurons in Culture D.L. Gruol, C.R. Deal, and A.J. Yool Somatic Gene Transfer of Nerve Growth Factor Promotes the Survival of Axotomized 2849 Septal Neurons and the Regeneration of Their Axons in Adult Rats M.D. Kawaja, M.B. Rosenberg, K. Yoshida, and F.H. Gage Spontaneous Locomotor Hyperactivity in a Mouse Mutant with a Deletion Including the 2865 Snap Gene on Chromosome 2 E.J. Hess, H.A. Jinnah, C.A. Kozak, and M.C. Wilson 2875 Rapid Development of Dopaminergic Supersensitivity in Reserpine-treated Rats
- Demonstrated with ¹⁴C-2-Deoxyglucose Autoradiography J.M. Trugman and C.L. James

Cover picture: Fluorescent *in situ* suppression of a yeast artificial chromosome (YAC) containing human GluR2 gene to metaphase spread of human chromosomes. Arrows point to the two pairs of bright yellow spots located on equivalent positions of sister chromatids of chromosome 4. See McNamara et al., pp. 2555–2562.

Persons interested in becoming members of the Society for Neuroscience should address inquiries to the Society for Neuroscience, Suite 500, 11 Dupont Circle, N.W., Washington, D.C. 20036; (202) 462-6688.

Instructions to Authors appear in the January issue only. Copies of the Instructions can be obtained by writing *The Journal of Neuroscience*, Department of Neurobiology, Box 3209, 101G Bryan Building, Research Drive, Duke University Medical Center, Durham, NC 27710. Submissions should be sent to Dr. Dale Purves, editor-in-chief, at the same address. Inquiries concerning manuscripts can be made directly to Dianitia Hutcheson, managing editor, at the offices of the *Journal* (919-684-3084; FAX 919-684-8573; Bitnet JNS@NEURO.DUKE.EDU).

The Journal of Neuroscience encourages authors to send a disk containing an electronic file of their manuscript once the paper is provisionally accepted. See the Instructions to Authors in the January 1992 issue for detailed guidelines on acceptable disk and file formats.