## Journal of Neuroscience

| The Official | Jοι | ırnal of     |
|--------------|-----|--------------|
| the Society  | for | Neuroscience |

February 1991 Volume 11 Number 2

| 311 | Developmental Neurobiology of the Zebrafish<br>J.S. Eisen  |
|-----|--|
| 318 | NGF Gene Expression in Actively Growing Brain Glia<br>B. Lu, M. Yokoyama, C.F. Dreyfus, and I.B. Black   |
| 327 | A Growth Factor from Neuronal Cell Lines Stimulates Myelin Protein Synthesis in Mammalian Brain D. Giulian, B. Johnson, J.F. Krebs, M.J. Tapscott, and S. Honda  |
| 337 | Intracellular Ca <sup>2+</sup> Suppressed a Transient Potassium Current in Hippocampal Neurons Q.X. Chen and R.K.S. Wong   |
| 344 | Temporal Interactions in the Cat Visual System. I. Orientation-Selective Suppression in the Visual Cortex S.B. Nelson  |
| 357 | Temporal Interactions in the Cat Visual System. II. Suppressive and Facilitatory Effects in the Lateral Geniculate Nucleus S.B. Nelson   |
| 369 | Temporal Interactions in the Cat Visual System. III. Pharmacological Studies of Cortical Suppression Suggest a Presynaptic Mechanism S.B. Nelson   |
| 381 | Immunofluorescent Localization of Three Na,K-ATPase Isozymes in the Rat Central Nervous System: Both Neurons and Glia Can Express More Than One Na,K-ATPase K.M. McGrail, J.M. Phillips, and K.J. Sweadner       |
| 392 | Estrogen-Enhanced Neurite Growth: Evidence for a Selective Induction of Tau and Stable Microtubules A. Ferreira and A. Caceres   |
| 401 | Hypertension Induced by Hypothalamic Transplantation from Genetically Hypertensive to Normotensive Rats R. Eilam, R. Malach, F. Bergmann, and M. Segal   |
| 412 | Acidic and Basic Fibroblast Growth Factors in the Nervous System: Distribution and Differential Alteration of Levels after Injury of Central versus Peripheral Nerve F.P. Eckenstein, G.D. Shipley, and R. Nishi |
| 420 | Factors that Determine the Magnitude and Time Course of Human H-Reflexes in Locomotion M. Edamura, J.F. Yang, and R.B. Stein   |

| 428 | Increased AMPA-Sensitive Quisqualate Receptor Binding and Reduced NMDA Receptor Binding in Epileptic Human Hippocampus D.A. Hosford, B.J. Crain, Z. Cao, D.W. Bonhaus, A.H. Friedman, M.M. Okazaki, J.V. Nadler, and J.O. McNamara |
|-----|--|
| 435 | Voltage-Gated Currents in Identified Rat Olfactory Receptor Neurons P.Q. Trombley and G.L. Westbrook   |
| 445 | Elimination of the Transient Ipsilateral Retinotectal Projection Is Not Solely Achieved by Cell Death in the Developing Chick C.V. Williams and S.C. McLoon  |
| 454 | Residual Motion Perception in a "Motion-Blind" Patient, Assessed with Limited-Lifetime Random Dot Stimuli C.L. Baker, Jr., R.F. Hess, and J. Zihl  |
| 462 | NGF and Excitatory Neurotransmitters Regulate Survival and Morphogenesis of Cultured Cerebellar Purkinje Cells S. Cohen-Cory, C.F. Dreyfus, and I.B. Black   |
| 472 | Principal Neurons and Small Intensely Fluorescent (SIF) Cells in the Rat Superior Cervical Ganglion Have Distinct Developmental Histories A.K. Hall and S.C. Landis  |
| 485 | Stages of Growth of Hamster Retinofugal Axons: Implications for Developing Axonal Pathways with Multiple Targets P.G. Bhide and D.O. Frost   |
| 505 | Synaptic Responses Evoked by Mechanical Stimulation of the Mucosa in Morphologically Characterized Myenteric Neurons of the Guinea-Pig Ileum J.C. Bornstein, J.B. Furness, T.K. Smith, and D.C. Trussell                           |
| 519 | The Early Commitment of Fetal Neurons to the Limbic Cortex M.F. Barbe and P. Levitt  |
| 534 | A Novel Calmodulin Antagonist, CGS 9343B, Modulates Calcium-Dependent Changes in Neurite Outgrowth and Growth Cone Movements K.A. Polak, A.M. Edelman, J.W.F. Wasley, and C.S. Cohan   |
| 543 | NGF Rescues Substance P Expression but not Neurofilament or Tubulin Gene Expression in Axotomized Sensory Neurons J. Wong and M.M. Oblinger  |
| 553 | Stimulation of Somatostatin Expression in Developing Ciliary Ganglion Neurons by Cells of the Choroid Layer J.N. Coulombe and R. Nishi   |
| 563 | Characterization and Localization of Cannabinoid Receptors in Rat Brain: A Quantitative in vitro Autoradiographic Study M. Herkenham, A.B. Lynn, M.R. Johnson, L.S. Melvin, B.R. de Costa, and K.C. Rice                           |

Cover picture: Computer-reconstructed autoradiographic image of the distribution of cannabinoid receptors in a horizontal section of rat brain. See Herkenham et al., pp. 563–583. The brain level shows dense binding in the basal ganglia and cerebellum, moderate binding in the striatum and hippocampus, and sparse binding in the brain stem. The color scale was custom made to highlight these essential findings of the study. Photograph by Miles Herkenham, National Institute of Mental Health.