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- 1831 Gattass, R., A.P.B. Sousa, and C.G. Gross: Visuotopic Organization and Extent of V3 and V4 of the Macaque
- 1846 Migheli, A., M. Butler, K. Brown, and M.L. Shelanski: Light and Electron Microscope Localization of the Microtubule-Associated tau Protein in Rat Brain
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- 1863 Sutherland, R.J., I.Q. Whishaw, and B. Kolb: Contributions of Cingulate Cortex to Two Forms of Spatial Learning and Memory
- 1873 Doetsch, G.S., G.P. Standage, K.W. Johnston, and C.-S. Lin: Thalamic Connections of Two Functional Subdivisions of the Somatosensory Forepaw Cerebral Cortex of the Raccoon
- 1887 Doetsch, G.S., G.P. Standage, K.W. Johnston, and C.-S. Lin: Intracortical Connections of Two Functional Subdivisions of the Somatosensory Forepaw Cerebral Cortex of the Raccoon
- 1901 Wilcox, J.N., and R. Derynck: Localization of Cells Synthesizing Transforming Growth Factor-Alpha mRNA in the Mouse Brain
- 1905 Lipp, H.-P., H. Schwegler, B. Heimrich, and P. Driscoll: Infrapyramidal Mossy Fibers and Two-Way Avoidance Learning: Developmental Modification of Hippocampal Circuitry and Adult Behavior of Rats and Mice
- 1922 Hof, P.R., E. Pascale, and P.J. Magistretti:  $K^+$  at Concentrations Reached in the Extracellular Space During Neuronal Activity Promotes a  $Ca^{2+}$ -Dependent Glycogen Hydrolysis in Mouse Cerebral Cortex

**Cover picture:** Reconstruction of the overall pattern of ocular dominance bands in layer IV of area 17 in cat cerebral cortex (approximately  $6\times$ ). The ocular dominance pattern was revealed by transneuronal transport of wheat germ agglutinin horseradish peroxidase (WGA-HRP) that was injected into the ipsilateral eye. This montage was constructed from dark-field photographs of 5 tangential sections from a cortical hemisphere that had been unfolded and flattened prior to sectioning. Anterior is to the top and medial is to the left. The solid white line indicates the border of area 17, which is ovate in shape with its narrower aspect oriented anteriorly. The triangular indentation in the medial border of area 17 is a cut made to relieve intrinsic curvature of the cortex during flattening. As revealed by the distribution of WGA-HRP labeling (light areas), the ocular dominance pattern consists of a relatively continuous network of irregularly branching bands. The width of the individual bands tends to fluctuate, giving them a beaded appearance. The large unlabeled region in the most medial part of area 17 indicates the location of the crescent-shaped monocular segment, a portion of striate cortex that only receives input from the contralateral (non-injected) eye. The labeling outside of area 17 lies in extrastriate cortical area 18. Micrograph provided by Patricia A. Anderson, Jaime Olavarria, and Richard C. Van Sluyters from their paper (pp. 2183–2200, this issue).

- 1929 Thompson, S., and J. Coombs: Spatial Distribution of Ca Currents in Molluscan Neuron Cell Bodies and Regional Differences in the Strength of Inactivation
- 1940 Standaert, D.G., and C.B. Saper: Origin of the Atriopeptin-like Immunoreactive Innervation of the Paraventricular Nucleus of the Hypothalamus
- 1951 Caldecott-Hazard, S., J. Mazziotta, and M. Phelps: Cerebral Correlates of Depressed Behavior in Rats, Visualized Using <sup>14</sup>C-2-Deoxyglucose Autoradiography
- 1962 Schwartz, M.L., D.-S. Zheng, and P.S. Goldman-Rakic: Periodicity of GABA-Containing Cells in Primate Prefrontal Cortex
- 1971 Yool, A.J., V.E. Dionne, and D.L. Gruol: Developmental Changes in K<sup>+</sup>-Selective Channel Activity During Differentiation of the Purkinje Neuron in Culture
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- 2003 Watanabe, Y., Y. Watanabe, and O. Hayaishi: Quantitative Autoradiographic Localization of Prostaglandin E<sub>2</sub> Binding Sites in Monkey Diencephalon
- 2011 Leventhal, A.G., J.D. Schall, S.J. Ault, J.M. Provis, and D.J. Vitek: Class-Specific Cell Death Shapes the Distribution and Pattern of Central Projection of Cat Retinal Ganglion Cells
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Instructions to Authors appear in the January issue only. Copies of the Instructions can be obtained by writing the Society for Neuroscience, 11 Dupont Circle, N.W., Suite 500, Washington, DC 20036.