Cover picture: Time-lapse imaging of the caudal migratory stream in the developing mouse cortex.

Horizontal slices of cultured telencephalic hemispheres were prepared at 40 h in vitro after local electroporation into the caudal ganglionic eminence (CGE) at embryonic day 13.5. A significant number of the caudally migrating cells derived from the CGE exhibited a clear migratory stream toward the hippocampus. The time interval between frames is 15 min (left to right). For details, see the article by Yozu et al. in this issue (pages 7268–7277).

This Week in The Journal

**Brief Communications**

7232 Mapping Labels in the Human Developing Visual System and the Evolution of Binocular Vision
Marie-Alexandra Lambot, Fanny Depasse, Jean-Christophe Noel, and Pierre Vanderhaeghen

**Articles**

**CELLULAR/MOLECULAR**

7121 Homeostatic Scaling of Vesicular Glutamate and GABA Transporter Expression in Rat Neocortical Circuits
Stéphanie De Gois, Martin K.-H. Schäfer, Norah Defamine, Chu Chen, Anthony Ricci, Eberhard Weihe, Hélène Varoqui, and Jeffrey D. Erickson

7139 Microglia Kv1.3 Channels Contribute to Their Ability to Kill Neurons
Christopher B. Fordyce, Ravi Jagasia, Xiaoping Zhu, and Lynanne C. Schlichter

7191 Role of Protein Phosphatases in Estrogen-Mediated Neuroprotection
Kun Don Yi, Jaegwon Chung, Priscilla Pang, and James W. Simpkins

7199 The mRNA for Elongation Factor 1α Is Localized in Dendrites and Translated in Response to Treatments That Induce Long-Term Depression
Fen Huang, Jennifer K. Chotiner, and Oswald Steward

7221 Homosynaptic and Heterosynaptic Inhibition of Synaptic Tagging and Capture of Long-Term Potentiation by Previous Synaptic Activity
Jennie Z. Young and Peter V. Nguyen

**DEVELOPMENT/PLASTICITY/REPAIR**

7150 Degradation of Chondroitin Sulfate Proteoglycans Induces Sprouting of Intact Purkinje Axons in the Cerebellum of the Adult Rat
Luigi Corvetti and Ferdinando Rossi

7268 The Caudal Migratory Stream: A Novel Migratory Stream of Interneurons Derived from the Caudal Ganglionic Eminence in the Developing Mouse Forebrain
Masato Yozu, Hidenori Tabata, and Kazunori Nakajima

**BEHAVIORAL/SYSTEMS/COGNITIVE**

7134 Awareness of the Functioning of One’s Own Limbs Mediated by the Insular Cortex
Hans-Otto Karnath, Bernhard Baier, and Thomas Nägele

7159 Decreased Sensory Stimulation Reduces Behavioral Responding, Retards Development, and Alters Neuronal Connectivity in Caenorhabditis elegans
Jacqueline K. Rose, Susan Sangha, Susan Rai, Kenneth R. Norman, and Catharine H. Rankin
Optimal Compensation for Changes in Task-Relevant Movement Variability
Julia Trommershäuser, Sergei Gepshtein, Laurence T. Maloney, Michael S. Landy, and Martin S. Banks

Short-Term Depression in Thalamocortical Synapses of Cat Primary Visual Cortex
C. Elizabeth Boudreau and David Ferster

Coordination of Locomotion with Voluntary Movements in Humans
Yuri P. Ivanenko, Germania Cappellini, Nadia Dominici, Richard E. Poppele, and Francesco Lacquaniti

The Human Hippocampus: Cognitive Maps or Relational Memory?
Dharshan Kumaran and Eleanor A. Maguire

Encoding and the Durability of Episodic Memory: A Functional Magnetic Resonance Imaging Study
Melina R. Uncapher and Michael D. Rugg

Inhibition of Cystine Uptake Disrupts the Growth of Primary Brain Tumors
Wook Joon Chung, Susan A. Lyons, Gina M. Nelson, Hashir Hamza, Candece L. Gladson, G. Yancey Gillespie, and Harald Sontheimer

Prenylation-Defective Human Connexin32 Mutants Are Normally Localized and Function Equivalently to Wild-Type Connexin32 in Myelinating Schwann Cells
Yan Huang, Erich E. Sirkowski, John T. Stickney, and Steven S. Scherer

Temporal Patterns of Fos Expression in the Dentate Gyrus after Spontaneous Seizures in a Mouse Model of Temporal Lobe Epilepsy
Zechun Peng and Carolyn R. Houser

Dendritic Spine Abnormalities in Amyloid Precursor Protein Transgenic Mice Demonstrated by Gene Transfer and Intravital Multiphoton Microscopy
Tara L. Spires, Melanie Meyer-Luehmann, Edward A. Stern, Pamela J. McLean, Jesse Skoch, Paul T. Nguyen, Brian J. Bacsakai, and Bradley T. Hyman

Correction: In the article “Oscillatory Bursts in the Optic Tectum of Birds Represent Re-Entrant Signals from the Nucleus Isthmi Pars Parvocellularis,” which appeared on pages 7081–7089 of the July 27, 2005 issue, the name of an author was spelled incorrectly. The second author’s name should have read Jorge Mpodozis.

Erratum: In the article “Pathological Aggression in "Fierce" Mice Corrected by Human Nuclear Receptor 2E1,” by Brett S. Abrahams, Melvin C. H. Kwok, Eric Trinh, Saeed Budaghzadeh, Sazzad M. Hossain, and Elizabeth M. Simpson, which appeared on pages 6263–6270 of the July 6, 2005 issue, a portion of the legend to Figure 2 was modified incorrectly by the printer. In that legend, the sixth sentence should read as follows: “The arrowhead indicates the Ec, which is thin in fierce relative to Wt.”

Persons interested in becoming members of the Society for Neuroscience should contact the Membership Department, Society for Neuroscience, 11 Dupont Circle, NW, Suite 500, Washington, DC 20036, phone 202-462-6688.

Instructions for Authors are available at http://www.jneurosci.org/misc/itoa.shtml. Authors should refer to these Instructions online for recent changes that are made periodically.

Brief Communications Instructions for Authors are available via Internet (http://www.sfn.org/content/Publications/TheJournalofNeuroscience/BriefComm/if.html).

Submissions should be submitted online using the following url: http://sfn.manuscriptcentral.com. Please contact the Central Office, via phone, fax, or e-mail with any questions. Our contact information is as follows: phone, 202-462-6688; fax, 202-462-1547; e-mail, jn@sfn.org.