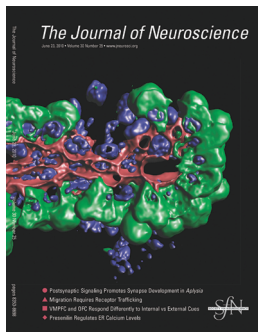


The Journal of Neuroscience

June 23, 2010 • Volume 30 Number 25 • www.jneurosci.org



Cover legend: Three-dimensional representation of coxsackievirus-infected myeloid cells (green) exiting through tight junctions and basement membrane (outlined by laminin staining in red) of the choroid plexus epithelium in neonatal mice. DAPI-stained nuclei are shown in blue. See the article by Tabor-Godwin et al. in this issue (pages 8676–8691).

i This Week in The Journal

Brief Communications

- 8421 **Predicting Persuasion-Induced Behavior Change from the Brain**
Emily B. Falk, Elliot T. Berkman, Traci Mann, Brittany Harrison, and Matthew D. Lieberman
- 8671 **Direct Evidence for Wake-Related Increases and Sleep-Related Decreases in Synaptic Strength in Rodent Cortex**
Zhong-Wu Liu, Ugo Faraguna, Chiara Cirelli, Giulio Tononi, and Xiao-Bing Gao
- 8692 **On the Role of Prestimulus Alpha Rhythms over Occipito-Parietal Areas in Visual Input Regulation: Correlation or Causation?**
Vincenzo Romei, Joachim Gross, and Gregor Thut

Articles

CELLULAR/MOLECULAR

- 8353 ***Aplysia* Cell Adhesion Molecule and a Novel Protein Kinase C Activity in the Postsynaptic Neuron Are Required for Presynaptic Growth and Initial Formation of Specific Synapses**
Jiang-Yuan Hu, Yang Chen, Joanna K. Bougie, Wayne S. Sossin, and Samuel Schacher
- 8367 **Homeostatic Switch in Hebbian Plasticity and Fear Learning after Sustained Loss of $Ca_v1.2$ Calcium Channels**
Nicole Langwieser, Carl J. Christel, Thomas Kleppisch, Franz Hofmann, Carsten T. Wotjak, and Sven Moosmang
- 8376 **Taste Preference for Fatty Acids Is Mediated by GPR40 and GPR120**
Cristina Cartoni, Keiko Yasumatsu, Tadahiro Ohkuri, Noriatsu Shigemura, Ryusuke Yoshida, Nicolas Godinot, Johannes le Coutre, Yuzo Ninomiya, and Sami Damak
- 8411 ***Wnt-5a* Modulates Recycling of Functional GABA_A Receptors on Hippocampal Neurons**
Loreto Cuitino, Juan A. Godoy, Ginny G. Fariás, Andrés Couve, Christian Bonansco, Marco Fuenzalida, and Nivaldo C. Inestrosa
- 8425 **Dopamine Modulates I_h in a Motor Axon**
Aleksander W. Ballo, Jennifer C. Keene, Patricia J. Troy, Marie L. Goeritz, Farzan Nadim, and Dirk Bucher

- 8457 **Cdk5-Mediated Phosphorylation of δ -Catenin Regulates Its Localization and GluR2-Mediated Synaptic Activity**
Charlene P. Poore, Jeyapriya R. Sundaram, Tej K. Pareek, Amy Fu, Niranjana Amin, Nur Ezan Mohamed, Ya-Li Zheng, Angeline X. H. Goh, Mitchell K. Lai, Nancy Y. Ip, Harish C. Pant, and Sashi Kesavapany
- 8468 **Activation of Adenosine A_{2A} Receptors Induces TrkB Translocation and Increases BDNF-Mediated Phospho-TrkB Localization in Lipid Rafts: Implications for Neuromodulation**
Natália Assaife-Lopes, Vasco C. Sousa, Daniela B. Pereira, Joaquim A. Ribeiro, Moses V. Chao, and Ana M. Sebastião
- 8551 **Dipeptidyl Peptidase-Like Protein 6 Is Required for Normal Electrophysiological Properties of Cerebellar Granule Cells**
Brian M. Nadin and Paul J. Pfaffinger
- 8637 **Coregulation of Ion Channel Conductances Preserves Output in a Computational Model of a Crustacean Cardiac Motor Neuron**
John M. Ball, Clarence C. Franklin, Anne-Elise Tobin, David J. Schulz, and Satish S. Nair

DEVELOPMENT/PLASTICITY/REPAIR

- 8400 **A Reward-Modulated Hebbian Learning Rule Can Explain Experimentally Observed Network Reorganization in a Brain Control Task**
Robert Legenstein, Steven M. Chase, Andrew B. Schwartz, and Wolfgang Maass
- 8529 ***Astn2*, A Novel Member of the Astrotactin Gene Family, Regulates the Trafficking of ASTN1 during Glial-Guided Neuronal Migration**
Perrin M. Wilson, Robert H. Fryer, Yin Fang, and Mary E. Hatten
- 8613 **Adult Neurogenesis Occurs in Primate Sensorimotor Cortex following Cervical Dorsal Rhizotomy**
Mani Vessal and Corinna Darian-Smith
- 8660 **Actomyosin Contraction at the Cell Rear Drives Nuclear Translocation in Migrating Cortical Interneurons**
Francisco J. Martini and Miguel Valdeolmillos
- 8676 **A Novel Population of Myeloid Cells Responding to Coxsackievirus Infection Assists in the Dissemination of Virus within the Neonatal CNS**
Jenna M. Tabor-Godwin, Chelsea M. Ruller, Nolan Bagalso, Naili An, Robb R. Pagarigan, Stephanie Harkins, Paul E. Gilbert, William B. Kiosses, Natalie A. Gude, Christopher T. Cornell, Kelly S. Doran, Mark A. Sussman, J. Lindsay Whitton, and Ralph Feuer

BEHAVIORAL/SYSTEMS/COGNITIVE

- 8383 **Functional Anatomical Evidence for Respiratory Rhythmogenic Function of Endogenous Bursters in Rat Medulla**
Nicholas M. Mellen and Deepak Mishra
- 8393 **Nonlinear Coupling in the Human Motor System**
Chun-Chuan Chen, James M. Kilner, Karl J. Friston, Stefan J. Kiebel, Rohit K. Jolly, and Nick S. Ward
- 8435 **How Does Learning to Read Affect Speech Perception?**
Chotiga Pattamadilok, Iris N. Knierim, Keith J. Kawabata Duncan, and Joseph T. Devlin

- 8445 **Attention to Memory and the Environment: Functional Specialization and Dynamic Competition in Human Posterior Parietal Cortex**
Carlo Sestieri, Gordon L. Shulman, and Maurizio Corbetta
- 8481 **Social Cognitive Conflict Resolution: Contributions of Domain-General and Domain-Specific Neural Systems**
Jamil Zaki, Kelly Hennigan, Jochen Weber, and Kevin N. Ochsner
- 8502 **Neural Correlates of Active Avoidance Behavior in Superior Colliculus**
Jeremy D. Cohen and Manuel A. Castro-Alamancos
- 8512 **Inhibitory Motor Control in Response Stopping and Response Switching**
Naomi M. Kenner, Jeanette A. Mumford, Rebecca E. Hommer, Martha Skup, Ellen Leibenluft, and Russell A. Poldrack
- 8519 **Prefrontal Cortex Activity during Flexible Categorization**
Jefferson E. Roy, Maximilian Riesenhuber, Tomaso Poggio, and Earl K. Miller
- 8541 **Neural Mechanisms Underlying the Impact of Visual Distraction on Retrieval of Long-Term Memory**
Peter E. Wais, Michael T. Rubens, Jacqueline Boccanfuso, and Adam Gazzaley
- 8581 **Kisspeptin Signaling Is Required for Peripheral But Not Central Stimulation of Gonadotropin-Releasing Hormone Neurons by NMDA**
Xavier d'Anglemont de Tassigny, Karen J. Ackroyd, Emmanouella E. Chatzidaki, and William H. Colledge
- 8591 **Ventromedial and Orbital Prefrontal Neurons Differentially Encode Internally and Externally Driven Motivational Values in Monkeys**
Sebastien Bouret and Barry J. Richmond
- 8624 **Molecular Depletion of Descending Serotonin Unmasks Its Novel Facilitatory Role in the Development of Persistent Pain**
Feng Wei, Ronald Dubner, Shiping Zou, Ke Ren, Guang Bai, Dong Wei, and Wei Guo
- 8650 **Pulvinar Inactivation Disrupts Selection of Movement Plans**
Melanie Wilke, Janita Turchi, Katy Smith, Mortimer Mishkin, and David A. Leopold

NEUROBIOLOGY OF DISEASE

- 8489 **Efficacy Loss of the Anticonvulsant Carbamazepine in Mice Lacking Sodium Channel β Subunits via Paradoxical Effects on Persistent Sodium Currents**
Mischa Uebachs, Thoralf Opitz, Michel Royeck, Gesa Dickhof, Marie-Therese Horstmann, Lori L. Isom, and Heinz Beck
- 8566 **Role of Presenilins in Neuronal Calcium Homeostasis**
Hua Zhang, Suyu Sun, An Herreman, Bart De Strooper, and Ilya Bezprozvanny
- 8602 **Disease-Modifying Effects of Phenobarbital and the NKCC1 Inhibitor Bumetanide in the Pilocarpine Model of Temporal Lobe Epilepsy**
Claudia Brandt, Maia Nozadze, Nina Heuchert, Marta Rattka, and Wolfgang Löscher

Correction: In the article “Postnatal Switch from Synaptic to Extrasynaptic Transmission between Interneurons and NG2 Cells” by Mateo Vélez-Fort, Paloma P. Maldonado, Arthur M. Butt, Etienne Audinat, and María Cecilia Angulo, which appeared on pages 6921–6929 of the May 19, 2010 issue, the authors regret that values were switched on page 6925 in the following sentence: “The effect of TPMPA on the amplitude of averaged currents was significantly greater in the fourth PN week [amplitude decrease 81 ± 7 ($n = 6$) vs 52 ± 11 ($n = 6$) in the second and fourth PN week, respectively; $p < 0.05$].” The sentence should read as follows: “The effect of TPMPA on the amplitude of averaged currents was

significantly greater in the fourth PN week [amplitude decrease 52 ± 11 ($n = 6$) vs 81 ± 7 ($n = 6$) in the second and fourth PN week, respectively; $p < 0.05$].”

Persons interested in becoming members of the Society for Neuroscience should contact the Membership Department, Society for Neuroscience, 1121 14th St., NW, Suite 1010, Washington, DC 20005, phone 202-962-4000.

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.jneurosci.org/misc/ifa_bc.shtml).

Submissions should be submitted online using the following url: <http://jneurosci.msubmit.net>. Please contact the Central Office, via phone, fax, or e-mail with any questions. Our contact information is as follows: phone, 202-962-4000; fax, 202-962-4945; e-mail, jn@sfn.org.