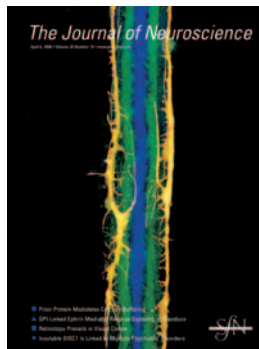


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Cover legend: Confocal image of the leading processes extended by migratory neurons within the developing enteric nervous system of *Manduca sexta*. The neurons and their processes (yellow) coexpress the GPI-linked ephrin ligand MsEphrin (red) and the homophilic adhesion receptor fasciclin II (green). The neurons travel selectively along visceral muscle bands on the gut that also express fasciclin II (green) while avoiding the adjacent midline muscles expressing the Eph receptor MsEph (blue). Manipulations that interfere with endogenous MsEphrin–MsEph interactions in cultured embryos cause the neurons to cross the midline inappropriately. The image was acquired at the Live Cell Imaging Facility in the Center for Research on Occupational and Environmental Toxicology at Oregon Health & Science University, with the assistance of Dr. Stefanie Kaech-Petri. For more information, see the article by Coate et al. in this issue (pages 3846–3860).

i This Week in The Journal

Journal Club

- 3835 **Transcription Factor Lim1 Specifies Horizontal Cell Laminal Position in the Retina**
Milica A. Margeta
- 3837 **Short-Term Memory and the Human Hippocampus**
Dharshan Kumaran

Brief Communications

- 3920 **Soluble Adenylyl Cyclase Is Not Required for Axon Guidance to Netrin-1**
Simon W. Moore, Karen Lai Wing Sun, Fang Xie, Philip A. Barker, Marco Conti, and Timothy E. Kennedy
- 3941 **β -Amyloid_{1–42} Induces Neuronal Death through the p75 Neurotrophin Receptor**
Areechun Sotthibundhu, Alex M. Sykes, Briony Fox, Clare K. Underwood, Wipawan Thangnipon, and Elizabeth J. Coulson

Articles

CELLULAR/MOLECULAR

- 3877 **Alterations in Ca²⁺-Buffering in Prion-Null Mice: Association with Reduced Afterhyperpolarizations in CA1 Hippocampal Neurons**
Andrew D. Powell, Emil C. Toescu, John Collinge, and John G. R. Jefferys
- 3925 **Perturbation of Syndapin/PACSIN Impairs Synaptic Vesicle Recycling Evoked by Intense Stimulation**
Fredrik Andersson, Joel Jakobsson, Peter Löw, Oleg Shupliakov, and Lennart Brodin
- 4057 **Functional Structure of the Mitral Cell Dendritic Tuft in the Rat Olfactory Bulb**
Maja Djurusic, Marko Popovic, Nicholas Carnevale, and Dejan Zecevic
- 4096 **The Hippocamboseptal Pathway Generates Rhythmic Firing of GABAergic Neurons in the Medial Septum and Diagonal Bands: An Investigation Using a Complete Septohippocampal Preparation *In Vitro***
Frédéric Manseau, Romain Goutagny, Marc Danik, and Sylvain Williams

DEVELOPMENT/PLASTICITY/REPAIR

- 3846 **Reverse Signaling via a Glycosyl-Phosphatidylinositol-Linked Ephrin Prevents Midline Crossing by Migratory Neurons during Embryonic Development in *Manduca***
Thomas M. Coate, Jacqueline A. Wirz, and Philip F. Copenhagen

- 3887 **No Evidence for Chronic Demyelination in Spared Axons after Spinal Cord Injury in a Mouse**
Jurate Lasiene, Larry Shupe, Steve Perlmutter, and Philip Horner
- 3911 **Impaired Adult Neurogenesis Associated with Short-Term Memory Defects in NF- κ B p50-Deficient Mice**
Suzanne Denis-Donini, Anna Dellarole, Paola Crociara, Maria Teresa Francese, Valeria Bortolotto, Giorgia Quadrato, Pier Luigi Canonico, Marco Orsetti, Piera Ghi, Maurizio Memo, Sara Anna Bonini, Giulia Ferrari-Toninelli, and Mariagrazia Grilli
- 3966 **The Distinct Temporal Origins of Olfactory Bulb Interneuron Subtypes**
Renata Batista-Brito, Jennie Close, Robert Machold, and Gord Fishell
- 4000 **Developmental Plasticity in the Human Auditory Brainstem**
Krista L. Johnson, Trent Nicol, Steven G. Zecker, and Nina Kraus
- 4037 **Tlx1 and Tlx3 Coordinate Specification of Dorsal Horn Pain-Modulatory Peptidergic Neurons**
Yi Xu, Claudia Lopes, Ying Qian, Ying Liu, Leping Cheng, Martyn Goulding, Eric E. Turner, Deolinda Lima, and Qiufu Ma

BEHAVIORAL/SYSTEMS/COGNITIVE

- 3861 **Differential Mechanisms of CRF1 and CRF2 Receptor Functions in the Amygdala in Pain-Related Synaptic Facilitation and Behavior**
Yu Fu and Volker Neugebauer
- 3897 **Spectrotemporal Processing Differences between Auditory Cortical Fast-Spiking and Regular-Spiking Neurons**
Craig A. Atencio and Christoph E. Schreiner
- 3934 **Prefrontal Cortex Function in the Representation of Temporally Complex Events**
Philip G. F. Browning and David Gaffan
- 3958 **Right-Hemisphere Auditory Cortex Is Dominant for Coding Syllable Patterns in Speech**
Daniel A. Abrams, Trent Nicol, Steven Zecker, and Nina Kraus
- 3976 **Prominent Role of the Spinal Central Pattern Generator in the Recovery of Locomotion after Partial Spinal Cord Injuries**
Grégory Barrière, Hugues Leblond, Janyne Provencher, and Serge Rossignol
- 3988 **Maps of Visual Space in Human Occipital Cortex Are Retinotopic, Not Spatiotopic**
Justin L. Gardner, Elisha P. Merriam, J. Anthony Movshon, and David J. Heeger
- 4028 **Fear Conditioning and Extinction Differentially Modify the Intrinsic Excitability of Infralimbic Neurons**
Edwin Santini, Gregory J. Quirk, and James T. Porter
- 4047 **Functional Trade-Offs in White Matter Axonal Scaling**
Samuel S.-H. Wang, Jennifer R. Shultz, Mark J. Burish, Kimberly H. Harrison, Patrick R. Hof, Lex C. Towns, Matthew W. Wagers, and Krysta D. Wyatt
- 4069 **Absence and Rescue of Morphine Withdrawal in GIRK/Kir3 Knock-out Mice**
Hans G. Cruz, Frédérique Berton, Monica Sollini, Christophe Blanchet, Marco Pravetoni, Kevin Wickman, and Christian Lüscher
- 4078 **Functional Asymmetries in Visual Pathways Carrying S-Cone Signals in Macaque**
Chris Tailby, Samuel G. Solomon, and Peter Lennie
- 4088 **A Causal Role for Brain-Derived Neurotrophic Factor in the Homeostatic Regulation of Sleep**
Ugo Faraguna, Vladyslav V. Vyazovskiy, Aaron B. Nelson, Giulio Tononi, and Chiara Cirelli

NEUROBIOLOGY OF DISEASE

- 3839 **Insolubility of Disrupted-in-Schizophrenia 1 Disrupts Oligomer-Dependent Interactions with Nuclear Distribution Element 1 and Is Associated with Sporadic Mental Disease**
S. Rutger Leliveld, Verian Bader, Philipp Hendriks, Ingrid Prikulis, Gustavo Sajnani, Jesús R. Requena, and Carsten Korth
- 3947 **Altered Histone Monoubiquitylation Mediated by Mutant Huntingtin Induces Transcriptional Dysregulation**
Mee-Ohk Kim, Prianka Chawla, Ryan P. Overland, Eva Xia, Ghazaleh Sadri-Vakili, and Jang-Ho J. Cha
- 4008 **Trafficking of Membrane-Associated Proteins to Cone Photoreceptor Outer Segments Requires the Chromophore 11-*cis*-Retinal**
Houbin Zhang, Jie Fan, Sha Li, Sukanya Karan, Baerbel Rohrer, Krzysztof Palczewski, Jeanne M. Frederick, Rosalie K. Crouch, and Wolfgang Baehr
- 4015 **Absence of Functional Peroxisomes from Mouse CNS Causes Dysmyelination and Axon Degeneration**
Leen Hulshagen, Olga Krysko, Astrid Bottelbergs, Steven Huyghe, Rüdiger Klein, Paul P. Van Veldhoven, Peter P. De Deyn, Rudi D'Hooge, Dieter Hartmann, and Myriam Baes

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