

**Cover legend:** In the sympathetic trunk of a CNP-MyrAkt mouse, an unmyelinated Schwann cell (brown) engulfs one axon (violet) but also collagen fibers from the extracellular matrix (blue, orange). Next to it, long processes from another unmyelinated Schwann cell (yellow) are starting to wrap extracellular matrix. For more information, see the article by Domènech-Estévez, Baloui et al. (pages 4506–4521).

i This Week in The Journal

### Journal Club

- 4405 **Stimulating the Semantic Network: What Can TMS Tell Us about the Roles of the Posterior Middle Temporal Gyrus and Angular Gyrus?**  
Sarah Tune and Salomi S. Asaridou

### Brief Communications

- 4408  **$\alpha$ -Synuclein Mutation Inhibits Endocytosis at Mammalian Central Nerve Terminals**  
Jianhua Xu, Xin-Sheng Wu, Jiansong Sheng, Zhen Zhang, Hai-Yuan Yue, Lixin Sun, Carmelo Sgobio, Xian Lin, Shiyong Peng, Yinghui Jin, Lin Gan, Huaibin Cai, and Ling-Gang Wu
- 4415 **Theta Rhythmic Clock-Like Activity of Single Units in the Mouse Hippocampus**  
Lu Zhang, Xiaoyu Ma, Guifen Chen, Edi Barkai, and Longnian Lin

### Articles

#### CELLULAR/MOLECULAR

- 4421 **Cooperative Interactions between 480 kDa Ankyrin-G and EB Proteins Assemble the Axon Initial Segment**  
Amélie Fréal, Coralie Fassier, Barbara Le Bras, Erika Bullier, Stéphanie De Gois, Jamilé Hazan, Casper C. Hoogenraad, and François Couraud
- 4482 **Ligand Specificity and Evolution of Mammalian Musk Odor Receptors: Effect of Single Receptor Deletion on Odor Detection**  
Narumi Sato-Akuhara, Nao Horio, Aya Kato-Namba, Keiichi Yoshikawa, Yoshihito Niimura, Sayoko Ihara, Mika Shirasu, and Kazushige Touhara
- 4506 **Akt Regulates Axon Wrapping and Myelin Sheath Thickness in the PNS**  
Enric Domènech-Estévez, Hasna Baloui, Xiaosong Meng, Yanqing Zhang, Katrin Deinhardt, Jeff L. Dupree, Steven Einheber, Roman Chrast, and James L. Salzer
- 4534 **Neuritin Mediates Activity-Dependent Axonal Branch Formation in Part via FGF Signaling**  
Tadayuki Shimada, Tomoyuki Yoshida, and Kanato Yamagata
- 4564 **Bok Is Not Pro-Apoptotic But Suppresses Poly ADP-Ribose Polymerase-Dependent Cell Death Pathways and Protects against Excitotoxic and Seizure-Induced Neuronal Injury**  
Beatrice D'Orsi, Tobias Engel, Shona Pfeiffer, Saheli Nandi, Thomas Kaufmann, David C. Henshall, and Jochen H. M. Prehn

- 4624 **Sphingosine-1-Phosphate (S1P) Impacts Presynaptic Functions by Regulating Synapsin I Localization in the Presynaptic Compartment**  
Loredana Riganti, Flavia Antonucci, Martina Gabrielli, Ilaria Prada, Paola Giussani, Paola Viani, Flavia Valtorta, Elisabetta Menna, Michela Matteoli, and Claudia Verderio

#### DEVELOPMENT/PLASTICITY/REPAIR

- 4635 **cGMP-Dependent Protein Kinase Encoded by *foraging* Regulates Motor Axon Guidance in *Drosophila* by Suppressing Lola Function**  
Qionglin Peng, Yijin Wang, Meixia Li, Deliang Yuan, Mengbo Xu, Changqing Li, Zhefeng Gong, Renjie Jiao, and Li Liu

#### SYSTEMS/CIRCUITS

- 4434 **A Neural Basis of Facial Action Recognition in Humans**  
Ramprakash Srinivasan, Julie D. Golomb, and Aleix M. Martinez
- 4457 **Mice Can Use Second-Order, Contrast-Modulated Stimuli to Guide Visual Perception**  
Zeinab Khastkhodaei, Ovidiu Jurjut, Steffen Katzner, and Laura Busse
- 4470 **Commissural Gain Control Enhances the Midbrain Representation of Sound Location**  
Llwyd David Orton, Christoforos A. Papasavvas, and Adrian Rees
- 4492 **A Brain System for Auditory Working Memory**  
Sukhbinder Kumar, Sabine Joseph, Phillip E. Gander, Nicolas Barascud, Andrea R. Halpern, and Timothy D. Griffiths
- 4549 **Wiring Specificity and Synaptic Diversity in the Mouse Lateral Central Amygdala**  
Wen-Hsien Hou, Ning Kuo, Ge-Wei Fang, Hsien-Sung Huang, Kun-Pin Wu, Andreas Zimmer, Jen-Kun Cheng, and Cheng-Chang Lien
- 4579 **Rapid Adaptation Induces Persistent Biases in Population Codes for Visual Motion**  
Elizabeth Zavitz, Hsin-Hao Yu, Elise G. Rowe, Marcello G.P. Rosa, and Nicholas S. C. Price
- 4591 **Physiological Properties of Neurons in Bat Entorhinal Cortex Exhibit an Inverse Gradient along the Dorsal–Ventral Axis Compared to Entorhinal Neurons in Rat**  
James G. Heys, Christopher F. Shay, Katrina M. MacLeod, Menno P. Witter, Cynthia F. Moss, and Michael E. Hasselmo
- 4614 **Modulation of Neural Variability in Premotor, Motor, and Posterior Parietal Cortex during Change of Motor Intention**  
Sohrab Saberi-Moghadam, Simone Ferrari-Toniolo, Stefano Ferraina, Roberto Caminiti, and Alexandra Battaglia-Mayer

#### BEHAVIORAL/COGNITIVE

- 4522 **The Contribution of the Corpus Callosum to Language Lateralization**  
Leighton B.N. Hinkley, Elysa J. Marco, Ethan G. Brown, Polina Bukshpun, Jacquelyn Gold, Susanna Hill, Anne M. Findlay, Rita J. Jeremy, Mari L. Wakahiro, A. James Barkovich, Pratik Mukherjee, Elliott H. Sherr, and Srikantan S. Nagarajan
- 4600 **The Medial Orbitofrontal Cortex Regulates Sensitivity to Outcome Value**  
Shannon L. Gourley, Kelsey S. Zimmermann, Amanda G. Allen, and Jane R. Taylor
- 4647 **The Unique Dopamine/Ecdysteroid Receptor Modulates Ethanol-Induced Sedation in *Drosophila***  
Emily Petruccelli, Qi Li, Yi Rao, and Toshihiro Kitamoto

NEUROBIOLOGY OF DISEASE

**4443 L-Lactate-Mediated Neuroprotection against Glutamate-Induced Excitotoxicity Requires ARALAR/AGCI**

Irene Llorente-Folch, Carlos B. Rueda, Irene Pérez-Liévana, Jorgina Satrústegui, and Beatriz Pardo

---

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.

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](mailto:jn@sfn.org).