



**Cover legend:** This transverse section through the neural tube of a day-old zebrafish embryo shows microtubules (green), which are elongated and orientated along the apical-basal axis of neuroepithelial cells. Microtubule destabilization in Rgma and Neo1a-depleted embryos impairs neural tube formation. Image was taken by Dr. Elim Hong and edited by Maraki Negesse. For more information, see the article by Brown et al. (pages 7465–7484).

## 7451 This Week in The Journal

### Editorial

- 7452 **Peer Review Week: Quality in Peer Review**  
Marina Picciotto

### Research Articles

#### CELLULAR/MOLECULAR

- 7453 **Disruption of GpI mGluR-Dependent Cav2.3 Translation in a Mouse Model of Fragile X Syndrome**  
Erin E. Gray, Jonathan G. Murphy, Ying Liu, Ivan Trang, G. Travis Tabor, Lin Lin, and Dax A. Hoffman

#### DEVELOPMENT/PLASTICITY/REPAIR

- 7465 **Rgma-Induced Neo1 Proteolysis Promotes Neural Tube Morphogenesis**  
Sharlene Brown, Pradeepa Jayachandran, Maraki Negesse, Valerie Olmo, Eudorah Vital, and Rachel Brewster

#### SYSTEMS/CIRCUITS

- 7485 **Leveraging Nonhuman Primate Multisensory Neurons and Circuits in Assessing Consciousness Theory**  
Jean-Paul Noel, Yumiko Ishizawa, Shaun R. Patel, Emad N. Eskandar, and Mark T. Wallace
- 7501 **Morphological Cell Types Projecting from V1 Layer 4B to V2 Thick and Thin Stripes**  
Jeff Yarch, Hanna Larsen, Marcus Chen, and Alessandra Angelucci
- 7513 **GPRIN3 Controls Neuronal Excitability, Morphology, and Striatal-Dependent Behaviors in the Indirect Pathway of the Striatum**  
Deniz Karadurmus, Daniel Rial, Jean-François De Backer, David Communi, Alban de Kerchove d'Exaerde, and Serge N. Schiffmann
- 7529 **Transplanted Cells Are Essential for the Induction But Not the Expression of Cortical Plasticity**  
Mahmood S. Hoseini, Benjamin Rakela, Quetzal Flores-Ramirez, Andrea R. Hasenstaub, Arturo Alvarez-Buylla, and Michael P. Stryker

#### BEHAVIORAL/COGNITIVE

- 7539 **Temporal Coding of Reward Value in Monkey Ventral Striatal Tonicly Active Neurons**  
Rossella Falcone, David B. Weintraub, Tsuyoshi Setogawa, John H. Wittig Jr, Gang Chen, and Barry J. Richmond

- 7551 **Dopamine D<sub>2L</sub> Receptor Deficiency Causes Stress Vulnerability through 5-HT<sub>1A</sub> Receptor Dysfunction in Serotonergic Neurons**  
Norifumi Shioda, Yoshiki Imai, Yasushi Yabuki, Wataru Sugimoto,  
Kouya Yamaguchi, Yanyan Wang, Takatoshi Hikida, Toshikuni Sasaoka,  
Michihiro Mieda, and Kohji Fukunaga
- 7564 **Semantic Context Enhances the Early Auditory Encoding of Natural Speech**  
Michael P. Broderick, Andrew J. Anderson, and Edmund C. Lalor
- 7576 **Negative Memory Engrams in the Hippocampus Enhance the Susceptibility to Chronic Social Defeat Stress**  
Tian Rui Zhang, Amanda Larosa, Marie-Eve Di Raddo, Vanessa Wong,  
Alice S. Wong, and Tak Pan Wong
- 7591 **Probing the Neural Mechanisms for Distractor Filtering and Their History-Contingent Modulation by Means of TMS**  
Carlotta Lega, Oscar Ferrante, Francesco Marini, Elisa Santandrea, Luigi Cattaneo,  
and Leonardo Chelazzi

#### NEUROBIOLOGY OF DISEASE

- 7604 **Altered Synaptic Drive onto Birthdated Dentate Granule Cells in Experimental Temporal Lobe Epilepsy**  
Alison L. Althaus, Shannon J. Moore, Helen Zhang, Xi Du, Geoffrey G. Murphy,  
and Jack M. Parent
- 7615 **Increased Expression of Fibronectin Leucine-Rich Transmembrane Protein 3 in the Dorsal Root Ganglion Induces Neuropathic Pain in Rats**  
Moe Yamada, Yuki Fujita, Yasufumi Hayano, Hideki Hayakawa, Kousuke Baba,  
Hideki Mochizuki, and Toshihide Yamashita
- 7628 **Female Sex and Brain-Selective Estrogen Benefit  $\alpha$ -Synuclein Tetramerization and the PD-like Motor Syndrome in 3K Transgenic Mice**  
Molly M. Rajsombath, Alice Y. Nam, Maria Ericsson, and Silke Nuber

---

Persons interested in becoming members of the Society for Neuroscience should contact the Membership Department at [membership@sfn.org](mailto:membership@sfn.org) or 202-962-4911.

For current submission policies and manuscript preparation guidelines, authors should refer to our Information for Authors at <https://www.jneurosci.org/content/information-authors>.

Manuscripts should be submitted online at <https://jneurosci.msubmit.net>. Please contact the Central Office with any questions at [jn@sfn.org](mailto:jn@sfn.org) or 202-962-4000.