



Cover legend: This image shows surface renderings of average dopamine D2-like receptor availability collected with PET imaging using [¹⁸F]fallypride and [¹¹C]FLB457. Warmer colors correspond to higher receptor availability. The study examined whether individual differences in dopamine receptors across 144 healthy human adults were correlated with reward discounting. For more information, see the article by Castrellon et al. (pages 321–332).

193 This Week in The Journal

Journal Club

- 194 **Can Deep Learning Model Perceptual Learning?**
Shahab Bakhtiari
- 197 **Potential Effects of Aspirin on Lysosomal Biogenesis and Amyloid- β Clearance: An Old Drug and Novel Insights in Alzheimer's Disease Therapy**
Helen M. Melo

Research Articles

CELLULAR/MOLECULAR

- 199 **Dynamin 1 Restrains Vesicular Release to a Subquantal Mode In Mammalian Adrenal Chromaffin Cells**
Qihui Wu, Quanfeng Zhang, Bin Liu, Yinglin Li, Xi Wu, Shuting Kuo, Lianghong Zheng, Changhe Wang, Feipeng Zhu, and Zhuan Zhou
- 212 **Apo-Opin Exists in Equilibrium Between a Predominant Inactive and a Rare Highly Active State**
Shinya Sato, Beata Jastrzebska, Andreas Engel, Krzysztof Palczewski, and Vladimir J. Kefalov
- 224 **Association of mGluR-Dependent LTD of Excitatory Synapses with Endocannabinoid-Dependent LTD of Inhibitory Synapses Leads to EPSP to Spike Potentiation in CA1 Pyramidal Neurons**
Hye-Hyun Kim, Joo Min Park, Suk-Ho Lee, and Won-Kyung Ho

DEVELOPMENT/PLASTICITY/REPAIR

- 238 **The Repo Homeodomain Transcription Factor Suppresses Hematopoiesis in *Drosophila* and Preserves the Glial Fate**
Guillaume Trébuchet, Pierre B. Cattenoz, János Zsámboki, David Mazaud, Daria E. Siekhaus, Manolis Fanto, and Angela Giangrande

SYSTEMS/CIRCUITS

- 256 **Thalamocortical and Intracortical Inputs Differentiate Layer-Specific Mouse Auditory Corticocollicular Neurons**
Bernard J. Slater, Stacy K. Sons, Georgiy Yudintsev, Christopher M. Lee, and Daniel A. Llano
- 271 **Auditory Thalamostriatal and Corticostriatal Pathways Convey Complementary Information about Sound Features**
Nicholas D. Ponvert and Santiago Jaramillo

- 281 **Layer 3 Dynamically Coordinates Columnar Activity According to Spatial Context**
Gijs Plomp, Ivan Larderet, Matilde Fiorini, and Laura Busse

BEHAVIORAL/COGNITIVE

- 295 **Neurochemical and Behavioral Dissections of Decision-Making in a Rodent Multistage Task**
Stephanie M. Groman, Bart Massi, Samuel R. Mathias, Daniel W. Curry, Daeyeol Lee, and Jane R. Taylor
- 307 **MDMA Increases Cooperation and Recruitment of Social Brain Areas When Playing Trustworthy Players in an Iterated Prisoner's Dilemma**
Anthony S. Gabay, Matthew J. Kempton, James Gilleen, and Mitul A. Mehta
- 321 **Individual Differences in Dopamine Are Associated with Reward Discounting in Clinical Groups But Not in Healthy Adults**
Jaime J. Castellon, Kendra L. Seaman, Jennifer L. Crawford, Jacob S. Young, Christopher T. Smith, Linh C. Dang, Ming Hsu, Ronald L. Cowan, David H. Zald, and Gregory R. Samanez-Larkin
- 333 **Temporal Dynamics and Response Modulation across the Human Visual System in a Spatial Attention Task: An ECoG Study**
Anne B. Martin, Xiaofang Yang, Yuri B. Saalman, Liang Wang, Avgusta Shestyuk, Jack J. Lin, Josef Parvizi, Robert T. Knight, and Sabine Kastner
- 353 **Directing Voluntary Temporal Attention Increases Fixational Stability**
Rachel N. Denison, Shlomit Yuval-Greenberg, and Marisa Carrasco

NEUROBIOLOGY OF DISEASE

- 364 **Top-down and Bottom-up Regulated Auditory Phantom Perception**
Sven Vanneste, Ola Alsaman, and Dirk De Ridder
- 379 **Erratum:** The article "Rhythm and Synchrony in a Cortical Network Model" by Logan Chariker, Robert Shapley and Lai-Sang Young, appeared on pages 8621–8634 of the October 3, 2018 issue. An erratum for this article appears on p. 379.

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

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

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