Glycoprotein M6a (green) is localized to the leading edge of growth cones, which are here labeled with fluorescently tagged actin (red). GPM6a is involved in the formation of lipid-rafts and contributes to the determination of neuronal polarity. For more information, see the article by Honda et al. (pages 4046 – 4064).

Journal Club

3989  GABAergic Networks in the Prefrontal Cortex and Working Memory
Cristina Bañuelos and Marta Urszula Wołoszynowska-Fraser

3992  Flexible Adaptation of Brain Networks during Stress
Matthew A. Scult

Research Articles

CELLULAR/MOLECULAR

4074  Reduction of Ether-Type Glycerophospholipids, Plasmalogens, by NF-κB Signal Leading to Microglial Activation
Md. Shamim Hossain, Yuichi Abe, Fatma Ali, Mohammed Youssef, Masanori Honsho, Yukio Fujiki, and Toshihiko Katafuchi

4093  A Rare Variant Identified Within the GluN2B C-Terminus in a Patient with Autism Affects NMDA Receptor Surface Expression and Spine Density

4128  Gene Expression Profiling with Cre-Conditional Pseudorabies Virus Reveals a Subset of Midbrain Neurons That Participate in Reward Circuitry
Lisa E. Pomeranz, Mats L. Ekstrand, Kaamashri N. Latcha, Gregory A. Smith, Lynn W. Enquist, and Jeffrey M. Friedman

4181  Characterization of a Human Point Mutation of VGLUT3 (p.A211V) in the Rodent Brain Suggests a Nonuniform Distribution of the Transporter in Synaptic Vesicles

4213  The Phosphorylation State of the Drosophila TRP Channel Modulates the Frequency Response to Oscillating Light In Vivo
Olaf Voolstra, Elisheva Rhodes-Mordov, Ben Katz, Jonas-Peter Bartels, Claudia Oberregelbacher, Susanne Katharina Schotthöfer, Bushra Yasin, Hanan Tzadok, Armin Huber, and Baruch Minke
Alteration of Neuronal Excitability and Short-Term Synaptic Plasticity in the Prefrontal Cortex of a Mouse Model of Mental Illness
Gregg W. Crabtree, Ziyi Sun, Mirna Kvajo, Jantine A.C. Broek, Karine Fénelon, Heather McKellar, Lan Xiao, Bin Xu, Sabine Bahn, James M. O’Donnell, and Joseph A. Gogos

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