EDITORIAL
927  Watching las ruedas fall off

NEWS AND VIEWS
928  In the zone: presynaptic function at high res
Felix E Schweizer, Katherine M Myers & Anna Caputo  see also pp 988 and 998

930  Another blue neuron in the retina
Richard H Masland  see also pp 952 and 954

931  A hot new channel
Michael Bandell & Ardem Patapoutian  see also p 1015

933  Change is in the eye of the beholder
Angela J Yu  see also p 1040

935  Getting to the root of basal dendrite formation
Hannah Bayer  see also p 1022

PERSPECTIVE
936  Prion propagation, toxicity and degradation
A Aguzzi & J Falsig

REVIEW
940  The neuroscience of race
J T Kubota, M R Banaji & E A Phelps

BRIEF COMMUNICATIONS
949  Pattern and not magnitude of neural activity determines dendritic spine stability in awake mice
R M Wyatt, E Tring & J T Trachtenberg

952  A non-canonical pathway for mammalian blue-green color vision
A Sher & S H DeVries  see also p 930

954  A color-coding amacrine cell may provide a blue-Off signal in a mammalian retina
S Chen & W Li  see also p 930

Using functional and morphological analysis, Holderith and colleagues demonstrate that the release probability and the number of voltage-gated calcium channels are linearly correlated with the size of the active zone in CA3 pyramidal cell recurrent axon terminals. On the cover is a freeze-fracture immunogold electron microscopy image of a CA3 synaptic terminal. (pp 928 and 988)

A color-coding amacrine cell (pp 930 and 954)
Electrocorticography links human temporoparietal junction to visual perception
M S Beauchamp, P Sun, S H Baum, A S Tolias & D Yoshor

A mechanism for value-guided choice based on the excitation-inhibition balance in prefrontal cortex
G Jocham, L T Hunt, J Near & T E J Behrens

Drosha regulates neurogenesis by controlling Neurogenin 2 expression independent of microRNAs
P Knuckles, M A Vogt, S Lugert, M Milo, M M W Chong, G M Hautbergue, S A Wilson, D R Littman & V Taylor

Structure and functional interaction of the extracellular domain of human GABA<sub>B</sub> receptor GBR2
Y Geng, D Xiong, L Mosyak, D L Malito, J Kniazeff, Y Chen, S Burmakina, M Quick, M Bush, J A Javitch, J-P Pin & Q R Fan

Distinct molecular pathways mediate glial activation and engulfment of axonal debris after axotomy
J S Ziegenfuss, J Doherty & M R Freeman

Release probability of hippocampal glutamatergic terminals scales with the size of the active zone
N Holderith, A Lorincz, G Katona, B Rózsa, A Kulik, M Watanabe & Z Nusser

Calcium-channel number critically influences synaptic strength and plasticity at the active zone
J Sheng, L He, H Zheng, L Xue, F Luo, W Shin, T Sun, T Kuner, D T Yue & L-G Wu

State and location dependence of action potential metabolic cost in cortical pyramidal neurons
S Hallermann, C P J de Kock, G J Stuart & M H P Kole

The calcium-activated chloride channel anoctamin 1 acts as a heat sensor in nociceptive neurons
H Cho, Y D Yang, J Lee, B Lee, T Kim, Y Jang, S K Back, H S Na, B D Harfe, F Wang, R Raouf, J N Wood & U Oh

Autism spectrum disorder susceptibility gene TAOK2 affects basal dendrite formation in the neocortex
F C de Anda, A L Rosario, O Durak, T Tran, J Gräff, K Meletis, D Rei, T Soda, R Madabhushi, D D Ginty & L-H Tsai

Segmentation of spatial experience by hippocampal theta sequences
A S Gupta, M A A van der Meer, D S Touretzky & A D Redish

Rational regulation of learning dynamics by pupil-linked arousal systems
M R Nassar, K M Rumsey, R C Wilson, K Parikh, B Heasly & J I Gold

pHTomato, a red, genetically encoded indicator that enables multiplex interrogation of synaptic activity
Y Li & R W Tsien

See back pages.