

MOLECULAR AND DEVELOPMENTAL NEUROSCIENCE

- 195 Filopodial protrusions induced by glycoprotein M6a exhibit high motility and aids synapse formation
M. A. Brocco, M. E. Fernández and A. C. C. Frasch
- 203 Small molecule β -amyloid inhibitors that stabilize protofibrillar structures *in vitro* improve cognition and pathology in a mouse model of Alzheimer's disease
C. A. Hawkes, L.-H. Deng, J. E. Shaw, M. Nitz and J. McLaurin
- 214 Involvement of the 4-aminopyridine-sensitive transient A-type K^+ current in macrophage-induced neuronal injury
D. Hu, J. Liu, J. Keblesh and H. Xiong

SYNAPTIC MECHANISMS

FEATURED ARTICLE

- 223 Spinal cannabinoids – a double-edged sword? (Commentary on Zhang *et al.*)
H. U. Zeilhofer
- 225 Cannabinoid CB1 receptor facilitation of substance P release in the rat spinal cord, measured as neurokinin 1 receptor internalization
G. Zhang, W. Chen, L. Lao and J. C. G. Marvizón
- 238 Neural cell adhesion molecule is required for stability of reinnervated neuromuscular junctions
P. H. Chipman, C. K. Franz, A. Nelson, M. Schachner and V. F. Rafuse
- 250 Asymmetries in long-term and short-term plasticity at thalamic and cortical inputs to the amygdala *in vivo*
T. Sigurðsson, C. K. Cain, V. Doyère and J. E. LeDoux

TECHNICAL SPOTLIGHT

- 263 Accurate spike sorting for multi-unit recordings
T. Takekawa, Y. Isomura and T. Fukai

NEUROSYSTEMS

- 273 Quantitative analysis of postnatal neurogenesis and neuron number in the macaque monkey dentate gyrus
A. Jabès, P. B. Lavenex, D. G. Amaral and P. Lavenex

- 286 Cannabinoid modulation of limbic forebrain noradrenergic circuitry
A. F. Carvalho, K. Mackie and E. J. Van Bockstaele
- 302 Activation of neurons in the hypothalamic dorsomedial nucleus via hypothalamic projections of the nucleus of the solitary tract following refeeding of fasted rats
E. Renner, K. I. Szabó-Meltzer, N. Puskás, Z. E. Tóth, A. Dobolyi and M. Palkovits
- 315 Methamphetamine-induced neuroinflammation and neuronal dysfunction in the mice hippocampus: preventive effect of indomethacin
J. Gonçalves, S. Baptista, T. Martins, N. Milhazes, F. Borges, C. F. Ribeiro, J. O. Malva and A. P. Silva

BEHAVIORAL NEUROSCIENCE

- 327 View-invariant object recognition ability develops after discrimination, not mere exposure, at several viewing angles
W. Yamashita, G. Wang and K. Tanaka
- 336 The hypocretin–orexin system regulates cocaine self-administration via actions on the mesolimbic dopamine system
R. A. España, E. B. Oleson, J. L. Locke, B. R. Brookshire, D. C. S. Roberts and S. R. Jones
- 349 Schizophrenia-related endophenotypes in heterozygous neuregulin-1 'knockout' mice
C. M. P. O'Tuathaigh, M. Harte, C. O'Leary, G. J. O'Sullivan, C. Blau, D. Lai, R. P. Harvey, O. Tighe, A. J. Fagan, C. Kerskens, G. P. Reynolds and J. L. Waddington
- 359 Daily changes in synaptic innervation of VIP neurons in the rat suprachiasmatic nucleus: contribution of glutamatergic afferents
C. Girardet, M.-P. Blanchard, G. Ferracci, C. Lévêque, M. Moreno, A.-M. François-Bellan, D. Becquet and O. Bosler

COGNITIVE NEUROSCIENCE

- 371 Dynamic stimulation evokes spatially focused receptive fields in bat auditory cortex
S. Hoffmann, G. Schuller and U. Firzlaff
- 386 Neurons in primary motor cortex engaged during action observation
J. Dushanova and J. Donoghue