

Editorial

1887 Editorial. D. M. Kullmann

Scientific Commentaries

- 1888 An intriguing way to enhance rehabilitation of grasping in rats after spinal cord injury. A. B. Spejo and L. D. F. Moon
- 1891 Mammalian dendritic regrowth: a new perspective on neural repair. S. L. Peterson and L. I. Benowitz
- 1894 A broader view of dementia: multiple co-pathologies are the norm. E. J. Coulthard and S. Love
- 1897 Cortical dopamine dysregulation in schizophrenia and its link to stress. F. V. Gomes and A. A. Grace

Review articles

- 1900 The intestinal barrier in multiple sclerosis: implications for pathophysiology and therapeutics. C. R. Camarao-Lemarroy, L. Metz, J. B. Meddings, et al.
- 1917 The cholinergic system in the pathophysiology and treatment of Alzheimer's disease. H. Hampel, M.-M. Mesulam, A. C. Cuello, et al.

Original Articles

- 1934 Biallelic *UFM1* and *UFC1* mutations expand the essential role of sumoylation in brain development. M. S. Nahorski, S. Maddirevula, R. Ishimura, et al.
- 1946 Eliciting inflammation enables successful rehabilitative training in chronic spinal cord injury. A. Torres-Espin, J. Forero, K. K. Fenrich, et al.

- 1963 Insulin signalling promotes dendrite and synapse regeneration and restores circuit function after axonal injury. J. Agostinone, L. Alarcon-Martinez, C. Gamlin, et al.
- 1981 Clinical, genetic and neuropathological characterization of spinocerebellar atrophy type 37. M. Corral-Juan, C. Serrano-Munuera, A. Rabano, et al.
- 1998 De novo mutation screening in childhood-onset cerebellar atrophy identifies gain-of-function mutations in the *CACNA1G* calcium channel gene. J. Chemin, K. Siquier-Pernet, M. Nicouleau, et al.
- 2014 A novel adeno-associated virus capsid with enhanced neurotropism corrects a lysosomal transmembrane enzyme deficiency. J. Tordo, C. O'Leary, A. S. L. M. Antunes, et al.
- 2032 Active role of capillary pericytes during stimulation-induced activity and spreading depolarization. L. Khennouf, B. Gesslein, A. Brazile, et al.
- 2047 The occurrence of benign brain tumours in transgender individuals during cross-sex hormone treatment. N. M. Nata, C. M. Wiepjes, C. J. M. de Blok, et al.
- 2055 Autism-associated 16p11.2 microdeletion impairs prefrontal functional connectivity in mouse and human. A. Bertero, A. Liska, M. Pagan, et al.
- 2066 The compartmentalized inflammatory response in the multiple sclerosis brain is composed of tissue-resident CD8+ T lymphocytes and B cells. J. Machado-Santos, E. Soji, A. R. Trascher, et al.
- 2083 Role of inhibitory control in modulating focal seizure spread. J.-y. Liou, H. Ma, M. Wenzel, et al.
- 2098 Relationships between selective neuronal loss and microglial activation after ischaemic stroke in man. R. S. Morris, P. Simon Jones, J. A. Alowneh, et al.
- 2112 A lexical semantic hub for heteromodal naming in middle fusiform gyrus. K. J. Forseth, C. M. Kadipasaoglu, C. R. Conner, et al.
- 2127 Randomized trial of iReadMore word reading training and brain stimulation in central alexia. Z. V. J. Woodhead, S. J. Kerr, O. M. Aguilar, et al.
- 2142 Physiological mechanisms of thalamic ventral intermediate nucleus stimulation for tremor suppression. L. Milosevic, S. K. Kalia, M. Hodaie, et al.
- 2156 Testing a longitudinal compensation model in premanifest Huntington's disease. S. Gregory, J. D. Long, S. Klöppel, et al.
- 2167 Genetic study of multimodal imaging Alzheimer's disease progression score implicates novel loci. M. A. Scelsi, R. R. Khan, M. Lorenzi, et al.
- 2181 Neurodegenerative disease concomitant proteinopathies are prevalent, age-related and APOE4-associated. J. L. Robinson, E. B. Lee, S. X. Xie, et al.
- 2194 Tau reduction in the presence of amyloid- β prevents tau pathology and neuronal death *in vivo*. S. L. DeVos, B. T. Corrue, C. Commins, et al.
- 2213 Cortical stress regulation is disrupted in schizophrenia but not in clinical high risk for psychosis. C. Schifani, H.-H. Tseng, M. Kenk, et al.

Dorsal column**Book review**

2225 Einstein's brain: lost and found. D. Falk

Letters to the Editor

- e51 Measurement of regional rates of protein synthesis in human brain *in vivo* with L-[1-¹⁴C]-leucine PET. C. B. Smith and K. C. Schmidt
- e52 Reply: Measurement of regional rates of protein synthesis in human brain *in vivo* with L-[1-¹⁴C]-leucine PET. J. S. J. Smets and L. J. C. van Loon
- e53 Lysosomal storage disorder gene variants in multiple system atrophy. L. Pilhstrom, L. Schottlaender, V. Chelbon, et al.
- e54 Reply: Lysosomal storage disorder gene variants in multiple system atrophy. J. M. Shulman
- e55 Expanding the phenotype of TRAK1 mutations: hyperekplexia and refractory status epilepticus. S. Sage, T. Lerman-Sagiv, S. Maljevic, et al.
- e56 Subacute nodopathy with conduction blocks and anti-neurofascin 140/186 antibodies: an ultrastructural study. J.-M. Vallat, S. Mathis, L. Magy, et al.
- e57 Corrigendum

