Research outputs
Listing of Research outputs

Divergent influences of the locus coeruleus on migraine pathophysiology
Research output: Contribution to journal › Article

Foreword: The CGRP Pathway and Migraine Prevention: Reducing the Burden of Disease
Research output: Contribution to journal › Article

Migraine Therapy: Current Approaches and New Horizons
Research output: Contribution to journal › Article

Targeted CGRP Small Molecule Antagonists for Acute Migraine Therapy
Research output: Contribution to journal › Review article

PACAP in hypothalamic regulation of sleep and circadian rhythm: importance for headache
Holland, P. R., Barloese, M. & Fahrenkrug, J. 5 Mar 2018 In : Journal of Headache and Pain. 19, 1, 20
Research output: Contribution to journal › Review article

The role of the brainstem in migraine: Potential brainstem effects of CGRP and CGRP receptor activation in animal models
Holland, P. R., Saengjaroentham, C. & Vila-Pueyo, M. 7 Feb 2018 In : Cephalalgia.
Research output: Contribution to journal › Review article

Biology of Neuropeptides: Orexinergic Involvement in Primary Headache Disorders
Research output: Contribution to journal › Article

Pathophysiology of migraine: A disorder of sensory processing
Research output: Contribution to journal › Article

Neuroendocrine signaling modulates specific neural networks relevant to migraine
Research output: Contribution to journal › Article

Cilostazol as a chemically induced preclinical model of migraine
Holland, P. R. & Strother, L. 1 Jan 2017 In : Cephalalgia. p. 333102417693832
Research output: Contribution to journal › Article

Current and novel insights into the neurophysiology of migraine and its implications for therapeutics
Research output: Contribution to journal › Article

Transcranial magnetic stimulation and potential cortical and trigeminothalamic mechanisms in migraine
Research output: Contribution to journal › Article
Modulation of nociceptive dural input to the trigeminocervical complex through Gluk1 kainate receptors
Research output: Contribution to journal › Article

Gliovascular disruption and cognitive deficits in a mouse model with features of small vessel disease
Research output: Contribution to journal › Article

Headache and sleep: Shared pathophysiological mechanisms
Holland, P. R. Sep 2014 In : Cephalalgia. 34, 10, p. 725-744 20 p.
Research output: Contribution to journal › Article

Differential trigeminovascular nociceptive responses in the thalamus in the familial hemiplegic migraine 1 knock-in mouse: A Fos protein study
Research output: Contribution to journal › Article

Migraine Pathophysiology
Holland, P. & Afridi, S. 6 Feb 2014 In : Advances in Clinical Neuroscience and Rehabilitation. 13, 7, p. 19-21 3 p., N/A
Research output: Contribution to journal › Article

Restoration of oligodendrocyte pools in a mouse model of chronic cerebral hypoperfusion
Research output: Contribution to journal › Article

Hypertension fails to disrupt white matter integrity in young or aged Fisher (F44) Cyp1a1Ren2 transgenic rats
Research output: Contribution to journal › Article

Controlled hypertension induces cerebrovascular and gene alterations in Cyp1a1-Ren2 transgenic rats
Pannozzo, M. A., Holland, P., Scullion, G., Talbot, R., Mullins, J. J. & Horsburgh, K. Nov 2013 In : Journal of the American Society of Hypertension. 7, 6, p. 411-419 9 p., N/A
Research output: Contribution to journal › Article

Endocannabinoids in the Brainstem Modulate Dural Trigeminovascular Nociceptive Traffic via CB1 and "Triptan" Receptors: Implications in Migraine
Research output: Contribution to journal › Article

Pearls and pitfalls in experimental in vivo models of migraine: dural trigeminovascular nociception
Akerman, S., Holland, P. R. & Hoffmann, J. Jun 2013 In : Cephalalgia. 33, 8, p. 577-592 16 p., N/A
Research output: Contribution to journal › Article

A translational in vivo model of trigeminal autonomic cephalalgias: therapeutic characterization
Research output: Contribution to journal › Article
Acid-sensing ion channel 1: A novel therapeutic target for migraine with aura
Research output: Contribution to journal › Article

Rapid disruption of axon-glial integrity in response to mild cerebral hypoperfusion
Research output: Contribution to journal › Article

MRI is a sensitive marker of subtle white matter pathology in hypoperfused mice
Research output: Contribution to journal › Article

Diencephalic and brainstem mechanisms in migraine
Akerman, S., Holland, P. R. & Goadsby, P. J. Oct 2011 In : NATURE REVIEWS NEUROSCIENCE. 12, 10, p. 570-584 15 p., N/A
Research output: Contribution to journal › Article

Acetaminophen in the Treatment of Headache: A Cannabinoid Agonist within the Trigeminovascular System
Research output: Contribution to journal › Article

TRPV1 receptor blockade is ineffective in different in vivo models of migraine
Summ, O., Holland, P. R., Akerman, S. & Goadsby, P. J. Jan 2011 In : Cephalalgia. 31, 2, p. 172-180 9 p., N/A
Research output: Contribution to journal › Article

Inhibition of trigeminovascular dural nociceptive afferents by Ca(2+)-activated K(+) (MaxiK/BK(Ca)) channel opening
Research output: Contribution to journal › Article

Altered Responses in the Descending Modulatory System of Transgenic Mice with a CACNA1A Mutation
Research output: Contribution to journal › Article

Blunted Trigeminovascular Nociceptive Responses in Mice with the CACNA1A Mutation
Research output: Contribution to journal › Article

Cortical spreading depression-associated cerebral blood flow changes induced by mechanical stimulation are modulated by AMPA and GABA receptors
Research output: Contribution to journal › Article
Modulation of trigeminovascular processing: novel insights into primary headache disorders
Research output: Contribution to journal » Article

Neurons of the Dopaminergic/Calcitonin Gene-Related Peptide A11 Cell Group Modulate Neuronal Firing in the Trigeminocervical Complex: An Electrophysiological and Immunohistochemical Study
Research output: Contribution to journal » Article

Oxygen Inhibits Neuronal Activation in the Trigeminocervical Complex After Stimulation of Trigeminal Autonomic Reflex, But Not During Direct Dural Activation of Trigeminal Afferents
Research output: Contribution to journal » Article

NEUROBIOLOGY OF MIGRAINE
Research output: Contribution to journal » Article

Neurobiology of migraine
Research output: Contribution to journal » Article

Activation of iGluR5 kainate receptors inhibits neurogenic dural vasodilatation in an animal model of trigeminovascular activation
Research output: Contribution to journal » Article

Cluster headache, hypothalamus, and orexin
Research output: Contribution to journal » Article

Mechanically-induced cortical spreading depression associated regional cerebral blood flow changes are blocked by Na+ ion channel blockade
Research output: Contribution to journal » Article

Involvement of corticotrophin-releasing factor and orexin-A in chronic migraine and medication overuse headache: findings from cerebrospinal fluid
Holland, P. R. & Bartsch, T. Jul 2008 In : Cephalalgia. 28, 7, p. 681-682 2 p., N/A
Research output: Contribution to journal » Article

The hypothalamic orexinergic system: pain and primary headaches
Holland, P. & Goadsby, P. J. Jun 2007 In : Headache. 47, 6, p. 951-962 12 p., N/A
Research output: Contribution to journal » Article

Obesity, migraine, and chronic migraine: possible mechanisms of interaction
Bigal, M. E., Lipton, R. B., Holland, P. R. & Goadsby, P. J. 22 May 2007 In : Neurology. 68, 21, p. 1851-1861 11 p., N/A
Research output: Contribution to journal » Article

Cannabinoid (CB1) receptor activation inhibits trigeminovascular neurons
Akerman, S., Holland, P. R. & Goadsby, P. J. Jan 2007 In : Journal of Pharmacology and Experimental Therapeutics. 320, 1, p. 64-71 8 p., N/A
Research output: Contribution to journal » Article
CNQX inhibits trigeminovascular neurons in the rat: a microiontophoresis study
Andreou, A. P., Storer, R. J., Holland, P. R. & Goadsby, P. J. Nov 2006 In: Cephalalgia. 26, 11, p. 1383-1383
Research output: Contribution to journal › Article

Modulation of nociceptive dural input to the trigeminal nucleus caudalis via activation of the orexin 1 receptor in the rat
Holland, P., Akerman, S. & Goadsby, P. J. Nov 2006 In: European Journal of Neuroscience. 24, 10, p. 2825-2833 9 p., N/A
Research output: Contribution to journal › Article

Animal models of migraine: looking at the component parts of a complex disorder
Research output: Contribution to journal › Article

Occipital afferent activation of second order neurons in the trigeminocervical complex in rat
Le Doaré, K., Akerman, S., Holland, P. R., Lasalandra, M. P., Bergerot, A., Classey, J. D., Knight, Y. E. & Goadsby, P. J. 31 Jul 2006 In: Neuroscience Letters. 403, 1-2, p. 73-77 5 p., N/A
Research output: Contribution to journal › Article

Orexin 1 receptor activation attenuates neurogenic dural vasodilation in an animal model of trigeminovascular nociception
Research output: Contribution to journal › Article

The above report is produced using the following setup
Ordered by: null