

Lars Edvinsson
Medicin/akutsjukvård, Lund
Experimentell kärlforskning
LTH profilområde: Avancerade ljuskällor
LU profilområde: Ljus och material
Lunds lasercentrum, LLC
Adresstyp: Besöksadress.
Skånes universitetssjukhus, EA-blocket, plan 2
221 85
Lund
Sverige
Adresstyp: Postadress.
Skånes universitetssjukhus, EA-blocket, plan 2
22185
Lund
Sverige
Adresstyp: Besöksadress.
Universitetssjukhuset
Lund
Sverige
Adresstyp: Postadress.
22184
Lund
Sverige
Adresstyp: Besöksadress.
Professorgatan 1
Lund
Sverige
Adresstyp: Postadress.
Box 118
221 00
Lund
Sverige
E-post: lars.edvinsson@med.lu.se
Telefon: +4646171484



Forskning

Professor Edvinsson is leading expert in the field of (1) cerebral circulation and (2) migraine. He is world recognized for his work on vascular innervation and receptor regulation. His extensive research has been a major contributor to what is known about the roles of the cerebral vasculature in health and diseases such as stroke and primary headaches. He has written the major textbook in the field; Cerebral Blood Flow & Metabolism (1993 Raven Press, 2002 Lippincott Williams Wilkins). In the field of headache he is now a president of The International Headache society. Recently, his groundbreaking work on the sensory system has resulted in new medicine being introduced small molecular CGRP-blockers for acute attacks and antibodies towards CGRP or CGRP-receptors as prophylaxis chronic migraine. Method Expertise: Immunohistochemistry, qPCR, Western blot, molecular biology of cell signaling, mRNA arrays, proteomics, cell and organ cultures, animal models for acute stroke and acute myocardial infarcts, pharmacology and treatment methods, string myography and perfusion myography for receptor and functional studies of isolated blood vessels.

Kvalifikationer

Internal Medicine, Specialist, Medicinska fakulteten
... → 1988

Tilldelningsdatum: 1988 jan. 1

Clinical Pharmacology, Specialist, Medicinska fakulteten
... → 1985

Tilldelningsdatum: 1985 jan. 1

Medicine, MD, Medicinska fakulteten
... → 1980

Tilldelningsdatum: 1980 jan. 1

Medicine, DMSGI, Neurogenic mechanisms in cerebrovascular bed, Medicinska fakulteten
... → 1975

Tilldelningsdatum: 1975 jan. 1

Anställning

Principal Investigator, Handledare, Professor

Medicin/akutsjukvård, Lund
Lunds universitet
Lund, Sverige
2016 jan. 27 → present

Projektledare

Experimentell kärnforskning
Lunds universitet
Lund, Sverige
2016 juni 27 → present

Profilområdesmedlem

LTH profilområde: Avancerade ljuskällor
Lunds universitet
Sverige
2022 sep. 14 → present

Profilområdesmedlem

LU profilområde: Ljus och material
Lunds universitet
Sverige
2023 jan. 1 → present

Profilområdesmedlem

Lunds lasercentrum, LLC
Lunds universitet
Lund, Sverige
2025 okt. 31 → present

Director, Center of Excellence in Stroke Reseach

Copenhagen University Hospital
Copenhagen, Danmark
2011 jan. 1 → present

Professor in Receptor Regulation Cerebrovascular and Cardiovascular Diseases

Copenhagen University Hospital
Copenhagen, Danmark
2008 jan. 1 → present

Director and founder, Glostrup Research Institute

Copenhagen University Hospital
Copenhagen, Danmark
2007 jan. 1 → present

Forskningsoutput

Understanding RAMP1's role in hormonal migraine may improve CGRP-targeted therapies

Edvinsson, L. & Holm, A., 2026 feb., (E-pub ahead of print) I: Expert Review of Clinical Pharmacology.

Ex vivo stimulation of the trigeminal nucleus caudalis induces peripheral CGRP release in the trigeminal ganglion and reveals a distinct dopamine–endocannabinoid mechanism relevant to migraine

Christiansen, I. M., Reducha, P. V., Edvinsson, L., Holm, A. & Haanes, K. A., 2025 dec., I: Journal of Headache and Pain. 26, 1, 141.

RAMP1-dependent hormonal regulation of CGRP and its receptor in the trigeminal ganglion

Holm, A., Edvinsson, J. C. A., Krause, D. N. & Edvinsson, L., 2025 dec., I: Journal of Headache and Pain. 26, 1, 142.

Temporal light modulation activation in visual cortex: a 7T fMRI study on healthy subjects

Lindén, J., Hemphälä, H., Markenroth Bloch, K., Edvinsson, L., Surova, Y., Mauritsson, J., Pålsson, E., Magnusson, V., van Westen, D. & Björkstrand, J., 2025 nov. 19, I: LEUKOS - Journal of Illuminating Engineering Society of North America. 17 s.

Is PACAP the next big thing in migraine therapy?

Edvinsson, L., 2025 aug., I: Cephalalgia. 45, 8, 03331024251368748.

Independent and synergistic roles of MEK-ERK1/2 and PKC pathways in regulating functional changes in vascular tissue following flow cessation

Kazantzi, S., Edvinsson, L. & Haanes, K. A., 2025 juni, I: Journal of Molecular and Cellular Cardiology Plus. 12, 100300.

Gepants

Edvinsson, L., 2025, *Migraine Pain Management: Current Pharmacological and Non-pharmacological Options*. Elsevier, s. 295-304 10 s.

Revisiting substance P in migraine: a methodological approach inspired by anti-CGRP and anti-PACAP success

Pellesi, L. & Edvinsson, L., 2025, I: Journal of Headache and Pain. 26, 1, 22.

Switching Off Vascular MAPK Signaling: A Novel Strategy to Prevent Delayed Cerebral Ischemia Following Subarachnoid Hemorrhage

Edvinsson, L. & Krause, D. N., 2025, I: Translational Stroke Research. 16, s. 952-961

TRPM3 activation causes CGRP release in trigeminal neurons: Implications for migraine mechanisms

Reducha, P. V., Nielsen, L. K. S., Jensen, M. N., Edvinsson, J. C. A., Kazantzi, S., Wæver, S. L., Lylloff, T., Westgate, C. S. J., Edvinsson, L. & Haanes, K. A., 2025, (E-pub ahead of print) I: Headache.

Male-female comparison of vasomotor effects of circulating hormones in human intracranial arteries

Edvinsson, J. C. A., Grubor, I., Maddahi, A. & Edvinsson, L., 2024 dec. 11, I: Journal of Headache and Pain. 25, 216.

MERTK in the rat trigeminal system: a potential novel target for cluster headache?

Edvinsson, J. C. A., Ran, C., Olofsgård, F. J., Steinberg, A., Edvinsson, L. & Belin, A. C., 2024 dec., I: Journal of Headache and Pain. 25, 1, 85.

Sex differences in expression of CGRP family of receptors and ligands in the rat trigeminal system

Maddahi, A., Edvinsson, J. C. A. & Edvinsson, L., 2024 dec., I: Journal of Headache and Pain. 25, 1, 193.

Pituitary cyclase-activating polypeptide targeted treatments for the treatment of primary headache disorders

Karsan, N., Edvinsson, L., Vecsei, L. & Goadsby, P. J., 2024 juli, I: Annals of Clinical and Translational Neurology. 11, 7, s. 1654-1668 15 s.

Protein kinase C-inhibition reduces critical weight loss and improves functional outcome after experimental subarachnoid haemorrhage

Bömers, J. P., Holm, A., Kazantzi, S., Edvinsson, L., Mathiesen, T. I. & Haanes, K. A., 2024 juli, I: Journal of Stroke and Cerebrovascular Diseases. 33, 7, 107728.

Rimegepant for the acute and preventive treatment of migraine: a narrative review of the evidence

Edvinsson, L., 2024, I: Expert Review of Neurotherapeutics. 24, 12, s. 1141-1155 15 s.

Preliminary evidence that blocking the uptake of placenta-derived preeclamptic extracellular vesicles protects the vascular endothelium and prevents vasoconstriction

Erlandsson, L., Ohlsson, L., Masoumi, Z., Rehnström, M., Cronqvist, T., Edvinsson, L. & Hansson, S. R., 2023 dec., I: Scientific Reports. 13, 1, 18425.

Progesterone distribution in the trigeminal system and its role to modulate sensory neurotransmission: influence of sex

Maddahi, A., Warfvinge, K., Holm, A., Edvinsson, J. C. A., Reducha, P. V., Kazantzi, S., Haanes, K. A. & Edvinsson, L., 2023 dec., I: Journal of Headache and Pain. 24, 1, 154.

Amine mechanisms in brain vessels, with particular regard to autonomic innervation and blood-brain barrier

Owman, C., Edvinsson, L., Falck, B. & Nielsen, K. C., 2023, *Pathology of Cerebral Microcirculation*. Mouton de Gruyter, s. 184-200 17 s.

Dual action of the cannabinoid receptor 1 ligand arachidonyl-2'-chloroethylamide on calcitonin gene-related peptide release

Christiansen, I. M., Edvinsson, J. C. A., Reducha, P. V., Edvinsson, L. & Haanes, K. A., 2022 dec., I: Journal of Headache and Pain. 23, 30.

Repair-related molecular changes during recovery phase of ischemic stroke in female rats

Mostajeran, M., Edvinsson, L., Ahnstedt, H., Arkelius, K. & Ansar, S., 2022 dec., I: BMC Neuroscience. 23, 1, 23.

The MEK Inhibitor Trametinib Improves Outcomes following Subarachnoid Haemorrhage in Female Rats

Bömers, J. P., Grell, A. S., Edvinsson, L., Johansson, S. E. & Haanes, K. A., 2022 dec., I: Pharmaceuticals. 15, 12, 1446.

Could Experimental Inflammation Provide Better Understanding of Migraines?

Reducha, P. V., Edvinsson, L. & Haanes, K. A., 2022 aug., I: Cells. 11, 15, 2444.

Neuropeptides and the Nodes of Ranvier in Cranial Headaches

Edvinsson, J. C. A., Haanes, K. A. & Edvinsson, L., 2022 jan., I: Frontiers in Physiology. 12, 820037.

Biological and small molecule strategies in migraine therapy with relation to the CGRP family of peptides

Edvinsson, L., Edvinsson, J. C. A. & Haanes, K. A., 2022, I: British Journal of Pharmacology. 179, 3, s. 371-380

Changes in P2Y₆ receptor-mediated vasoreactivity following focal and global ischemia

Erdling, A., Johansson, S. E., Radziwon-Balicka, A., Ansar, S. & Edvinsson, L., 2022, I: Physiological Reports. 10, 8, e15283.

Lasmiditan and 5-Hydroxytryptamine in the rat trigeminal system; expression, release and interactions with 5-HT₁ receptors

Edvinsson, J. C. A., Maddahi, A., Christiansen, I. M., Reducha, P. V., Warfvinge, K., Sheykhzade, M., Edvinsson, L. & Haanes, K. A., 2022, I: Journal of Headache and Pain. 23, 1, 26.

Ovariectomy Reduces Vasocontractile Responses of Rat Middle Cerebral Arteries After Focal Cerebral Ischemia

Rehnström, M., Ahnstedt, H., Krause, D. N., Edvinsson, M. L., Haanes, K. A. & Edvinsson, L., 2022, I: Journal of Cardiovascular Pharmacology. 79, 1, s. e122-e128

Neurokinins and their receptors in the rat trigeminal system: Differential localization and release with implications for migraine pain

Edvinsson, J. C. A., Reducha, P. V., Sheykhzade, M., Warfvinge, K., Haanes, K. A. & Edvinsson, L., 2021 dec., I: Molecular Pain. 17

Hormonal influences in migraine — interactions of oestrogen, oxytocin and CGRP

Krause, D. N., Warfvinge, K., Haanes, K. A. & Edvinsson, L., 2021 okt., I: Nature Reviews Neurology. 17, 10, s. 621-633 13 s.

Pre-chiasmatic, single injection of autologous blood to induce experimental subarachnoid hemorrhage in a rat model
Bömers, J. P., Johansson, S. E., Edvinsson, L., Mathiesen, T. I. & Haanes, K. A., 2021 juni, I: Journal of Visualized Experiments. 2021, 172, e62567.

CGRP and migraine; from bench to bedside
Edvinsson, L., 2021, I: Revue Neurologique. 177, 7, s. 785-790

Identifying New Antimigraine Targets: Lessons from Molecular Biology
Edvinsson, L. & Haanes, K. A., 2021, I: Trends in Pharmacological Sciences. 42, 4, s. 217-225

Oral rimegepant for migraine prevention
Edvinsson, L., 2021, I: The Lancet. 397, 10268, s. 4-5 2 s.

Secondhand cigarette smoke induces increased expression of contractile endothelin receptors in rat coronary arteries via a MEK1/2 sensitive mechanism
Cao, L., Lindstedt, I., Edvinsson, M. L., Ping, N. N., Cao, Y. X. & Edvinsson, L., 2021, I: Scandinavian Cardiovascular Journal. 55, 1, s. 50-55

Subacute phase of subarachnoid haemorrhage in female rats: Increased intracranial pressure, vascular changes and impaired sensorimotor function
Spray, S., Haanes, K. A., Edvinsson, L. & Johansson, S. E., 2021, I: Microvascular Research. 135, 104127.

Differences in pituitary adenylate cyclase-activating peptide and calcitonin gene-related peptide release in the trigeminovascular system
Edvinsson, J. C. A., Grell, A. S., Warfvinge, K., Sheykhzade, M., Edvinsson, L. & Haanes, K. A., 2020 okt. 1, I: Cephalalgia. 40, 12, s. 1296-1309 14 s.

The effects of CGRP in vascular tissue - Classical vasodilation, shadowed effects and systemic dilemmas
Sohn, I., Sheykhzade, M., Edvinsson, L. & Sams, A., 2020 aug. 15, I: European Journal of Pharmacology. 881, 173205.

Serotonin and Neuropeptides in Blood From Episodic and Chronic Migraine and Cluster Headache Patients in Case-Control and Case-Crossover Settings: A Systematic Review and Meta-Analysis
Frederiksen, S. D., Bekker-Nielsen Dunbar, M., Snoer, A. H., Deen, M. & Edvinsson, L., 2020 juni, I: Headache. 60, 6, s. 1132-1164 33 s.

Cellular distribution of PACAP-38 and PACAP receptors in the rat brain: Relation to migraine activated regions
Warfvinge, K. & Edvinsson, L., 2020 maj 1, I: Cephalalgia. 40, 6, s. 527-542 16 s.

Understanding side-effects of anti-CGRP and anti-CGRP receptor antibodies
Haanes, K. A., Edvinsson, L. & Sams, A., 2020 mars 16, I: Journal of Headache and Pain. 21, 1, 26.

Calcitonin gene-related peptide (CGRP) and cluster headache
Belin, A. C., Ran, C. & Edvinsson, L., 2020 jan. 6, I: Brain Sciences. 10, 1, 30.

CGRP in rat mesenteric artery and vein - receptor expression, CGRP presence and potential roles
Le, T. L., Grell, A. S., Sheykhzade, M., Warfvinge, K., Edvinsson, L. & Sams, A., 2020, I: European Journal of Pharmacology. 875, 173033.

Estrogen receptors α , β and GPER in the CNS and trigeminal system - molecular and functional aspects
Warfvinge, K., Krause, D. N., Maddahi, A., Edvinsson, J. C. A., Edvinsson, L. & Haanes, K. A., 2020, I: Journal of Headache and Pain. 21, 1, 131.

Increased mortality in elderly heart failure patients receiving infusion of furosemide compared to elderly heart failure patients receiving bolus injection

Sager, R., Lindstedt, I., Edvinsson, L. & Edvinsson, M. L., 2020, I: Journal of Geriatric Cardiology. 17, 6, s. 359-364 6 s.

Oxytocin as a regulatory neuropeptide in the trigeminovascular system: Localization, expression and function of oxytocin and oxytocin receptors

Warfvinge, K., Krause, D. N., Maddahi, A., Grell, A. S., Edvinsson, J. C. A., Haanes, K. A. & Edvinsson, L., 2020, I: Cephalalgia. 40, 12, s. 1283-1295

Smoking and endothelial dysfunction

Golbidi, S., Edvinsson, L. & Laher, I., 2020, I: Current Vascular Pharmacology. 18, 1, s. 1-11 11 s.

Transcriptome profiling revealed early vascular smooth muscle cell gene activation following focal ischemic stroke in female rats – comparisons with males

Rehnström, M., Frederiksen, S. D., Ansar, S. & Edvinsson, L., 2020, I: BMC Genomics. 21, 1, 883.

Vancouver Declaration II on Global Headache Patient Advocacy 2019

Dodick, D. W., Ashina, M., Sakai, F., Grisold, W., Miyake, H., Henscheid-Lorenz, D., Craven, A., Ruiz de la Torre, E., Koh, R., Reznik, N., Bance, L., Leroux, E., Edvinsson, L. & International Headache Society Global Patient Advocacy Coalition, 2020, I: Cephalalgia. 40, 10, s. 1017-1025

C-fibers may modulate adjacent Aδ-fibers through axon-axon CGRP signaling at nodes of Ranvier in the trigeminal system

Edvinsson, J. C. A., Warfvinge, K., Krause, D. N., Blixt, F. W., Sheykhzade, M., Edvinsson, L. & Haanes, K. A., 2019 nov. 12, I: Journal of Headache and Pain. 20, 1, 105.

Synergistic effects of a cremophor EL drug delivery system and its U0126 cargo in an ex vivo model

Christensen, S. T., Grell, A. S., Johansson, S. E., Andersson, C. M., Edvinsson, L. & Haanes, K. A., 2019 juli 5, I: Drug delivery. 26, 1, s. 680-688 9 s.

Does inflammation have a role in migraine?

Edvinsson, L., Haanes, K. A. & Warfvinge, K., 2019 juli 1, I: Nature Reviews Neurology.

The changing faces of migraine

Martelletti, P., Ashina, M. & Edvinsson, L., 2019 maj 10, I: Journal of Headache and Pain. 20, 1, 52.

MEK1/2 inhibitor U0126, but not nimodipine, reduces upregulation of cerebrovascular contractile receptors after subarachnoid haemorrhage in rats

Christensen, S. T., Johansson, S. E., Radziwon-Balicka, A., Warfvinge, K., Haanes, K. A. & Edvinsson, L., 2019 apr. 12, I: PLoS ONE. 14, 4, e0215398.

Discovery of CGRP in relation to migraine

Edvinsson, L. & Goadsby, P. J., 2019, I: Cephalalgia. 39, 3, s. 331-332 2 s.

Distribution of CGRP and CGRP receptor components in the rat brain

Warfvinge, K. & Edvinsson, L., 2019, I: Cephalalgia. 39, 3, s. 342-353 12 s.

Dr James Lance, Professor of Neurology in Sydney, Australia, died on 20 February 2019, age 92

Edvinsson, L., Evers, S. & Goadsby, P. J., 2019, I: Cephalalgia. 39, 5, s. 681-682 2 s.

Erenumab (AMG 334), a monoclonal antagonist antibody against the canonical CGRP receptor, does not impair vasodilatory or contractile responses to other vasoactive agents in human isolated cranial arteries

Ohlsson, L., Haanes, K. A., Kronvall, E., Xu, C., Snellman, J. & Edvinsson, L., 2019, I: Cephalalgia. 39, 14, s. 1745-1752

Exploration of Physiological and Pathophysiological Implications of miRNA-143 and miRNA-145 in Cerebral Arteries

Christensen, S. T., Johansson, S. E., Warfvinge, K., Braun, T., Boettger, T., Edvinsson, L. & Haanes, K. A., 2019, I: *Journal of Cardiovascular Pharmacology*. 74, 5, s. 409-419 11 s.

Exploration of purinergic receptors as potential anti-migraine targets using established pre-clinical migraine models

Haanes, K. A., Labastida-Ramírez, A., Blixt, F. W., Rubio-Beltrán, E., Dirven, C. M., Danser, A. H. J., Edvinsson, L. & MaassenVanDenBrink, A., 2019, I: *Cephalalgia*. 39, 11, s. 1421-1434

MEK/ERK/1/2 sensitive vascular changes coincide with retinal functional deficit, following transient ophthalmic artery occlusion

Blixt, F. W., Haanes, K. A., Ohlsson, L., Dreisig, K., Fedulov, V., Warfvinge, K. & Edvinsson, L., 2019, I: *Experimental Eye Research*. 179, s. 142-149 8 s.

PAC1 receptor mRNA and protein distribution in rat and human trigeminal and sphenopalatine ganglia, spinal trigeminal nucleus and in dura mater

Hensley, K., Pretorius, J., Chan, B., Page, K., Liu, H., Choi, C., Shi, D., Xu, C., Edvinsson, L. & Miller, S., 2019, I: *Cephalalgia*. 39, 7, s. 827-840

Perivascular neurotransmitters: Regulation of cerebral blood flow and role in primary headaches

Frederiksen, S. D., Haanes, K. A., Warfvinge, K. & Edvinsson, L., 2019, I: *Journal of Cerebral Blood Flow and Metabolism*. 39, 4, s. 610-632

Pre-clinical effects of highly potent MEK1/2 inhibitors on rat cerebral vasculature after organ culture and subarachnoid haemorrhage

Christensen, S. T., Haanes, K. A., Spray, S., Grell, A. S., Warfvinge, K., Edvinsson, L. & Johansson, S. E., 2019, I: *Clinical Science*. 133, 16, s. 1797-1811 15 s.

Rimegepant oral disintegrating tablet for migraine

Edvinsson, L., 2019, I: *The Lancet*. 394, 10200, s. 711-712 2 s.

Role of cgrp in migraine

Edvinsson, L., 2019, *Handbook of Experimental Pharmacology*. Springer, s. 121-130 10 s. (Handbook of Experimental Pharmacology; vol. 255).

Shaping the future of migraine targeting Calcitonin-Gene-Related-Peptide with the Disease-Modifying Migraine Drugs (DMMDs)

Martelletti, P., Edvinsson, L. & Ashina, M., 2019, I: *Journal of Headache and Pain*. 20, 1, 60.

Some aspects on the pathophysiology of migraine and a review of device therapies for migraine and cluster headache

Rapoport, A. M. & Edvinsson, L., 2019, I: *Neurological Sciences*. 40, S1, s. 75-80

The Presence of Calcitonin Gene-Related Peptide and Its Receptors in Rat, Pig and Human Brain: Species Differences in Calcitonin Gene-Related Peptide Pharmacology

Warfvinge, K., Edvinsson, L., Pickering, D. S. & Sheykhzade, M., 2019, I: *Pharmacology*. 104, 5-6, s. 332-341

Vascular pathology of large cerebral arteries in experimental subarachnoid hemorrhage: Vasoconstriction, functional CGRP depletion and maintained CGRP sensitivity

Johansson, S. E., Abdolalizadeh, B., Sheykhzade, M., Edvinsson, L. & Sams, A., 2019, I: *European Journal of Pharmacology*. 846, s. 109-118 10 s.

Fremanezumab blocks CGRP induced dilatation in human cerebral, middle meningeal and abdominal arteries

Ohlsson, L., Kronvall, E., Stratton, J. & Edvinsson, L., 2018 aug. 14, I: *Journal of Headache and Pain*. 19, 1, 66.

PACAP38 and PAC₁ receptor blockade: a new target for headache?

Rubio-Beltrán, E., Correnti, E., Deen, M., Kamm, K., Kelderman, T., Papetti, L., Vigneri, S., MaassenVanDenBrink, A., Edvinsson, L. & European Headache Federation School of Advanced Studies (EHF-SAS), 2018 aug. 7, I: Journal of Headache and Pain. 19, 1, 1 s.

CGRP as the target of new migraine therapies — successful translation from bench to clinic

Edvinsson, L., Haanes, K. A., Warfvinge, K. & Krause, D. N., 2018 juni, I: Nature Reviews Neurology. 14, 6, s. 338-350

The CGRP Pathway in Migraine as a Viable Target for Therapies

Edvinsson, L., 2018 maj 1, I: Headache. 58, s. 33-47 15 s.

PACAP and its role in primary headaches

Edvinsson, L., Tajti, J., Szalárdy, L. & Vécsei, L., 2018 mars 9, I: Journal of Headache and Pain. 19, 1, 7 s., 21.

Headache advances in 2017: a new horizon in migraine therapy

Edvinsson, L., 2018 jan. 1, I: The Lancet Neurology. 17, 1, s. 5-6

Acute mitogen-activated protein kinase 1/2 inhibition improves functional recovery and vascular changes after ischaemic stroke in rat-monitored by 9.4 T magnetic resonance imaging

Mostajeran, M., Wetterling, F., Blixt, F. W., Edvinsson, L. & Ansar, S., 2018, I: Acta Physiologica. 223, 1, e12985.

CGRP Antibodies as Prophylaxis in Migraine

Edvinsson, L., 2018, I: Cell. 175, 7, s. 1719 1 s.

Contractile Responses in Spontaneously Hypertensive Rats after Transient Middle Cerebral Artery Occlusion

Grell, A. S., Mostajeran, M., Edvinsson, L. & Ansar, S., 2018, I: Pharmacology. 101, s. 120-132

Expression of Pituitary Adenylate Cyclase-activating Peptide, Calcitonin Gene-related Peptide and Headache Targets in the Trigeminal Ganglia of Rats and Humans

Frederiksen, S. D., Warfvinge, K., Ohlsson, L. & Edvinsson, L., 2018, I: Neuroscience. 393, s. 319-332 14 s.

Increased endothelin-1-mediated vasoconstriction after organ culture in rat and pig ocular arteries can be suppressed with MEK/ERK1/2 inhibitors

W Blixt, F., Kristian Haanes, A., Ohlsson, L., Tolstrup Christiansen, A., Warfvinge, K. & Edvinsson, L., 2018, I: Acta Ophthalmologica. 96, 5, s. e619-e625

Cerebrovascular Gene Expression in Spontaneously Hypertensive Rats After Transient Middle Cerebral Artery Occlusion

Grell, A. S., Mostajeran, M., Frederiksen, S. D., Edvinsson, L. & Ansar, S., 2017 dec. 26, I: Neuroscience. 367, s. 219-232 14 s.

Blocking CGRP in migraine patients – a review of pros and cons

Deen, M., Correnti, E., Kamm, K., Kelderman, T., Papetti, L., Rubio-Beltrán, E., Vigneri, S., Edvinsson, L. & Maassen Van Den Brink, A., 2017 dec. 1, I: Journal of Headache and Pain. 18, s. 1-9 96.

Differential inhibitory response to telcagepant on α CGRP induced vasorelaxation and intracellular Ca²⁺ levels in the perfused and non-perfused isolated rat middle cerebral artery

Erdling, A., Sheykhzade, M. & Edvinsson, L., 2017 dec. 1, I: Journal of Headache and Pain. 18, 1, s. 1-9 61.

Topical dura mater application of CFA induces enhanced expression of c-fos and glutamate in rat trigeminal nucleus caudalis: attenuated by KYNA derivate (SZR72)

Lukács, M., Warfvinge, K., Tajti, J., Fülöp, F., Toldi, J., Vécsei, L. & Edvinsson, L., 2017 dec. 1, I: Journal of Headache and Pain. 18, 1, 39.

A novel multicolor flow-cytometry application for quantitative detection of receptors on vascular smooth muscle cells
Radziwon-Balicka, A., Degn, M., Johansson, S. E., Warfvinge, K. & Edvinsson, L., 2017 okt. 1, I: PLoS ONE. 12, 10, e0186504.

Cerebrovascular gene expression in spontaneously hypertensive rats
Grell, A.-S., Frederiksen, S. D., Edvinsson, L. & Ansar, S., 2017 sep. 1, I: PLoS ONE. 12, 9, e0184233.

Distribution of CGRP and its receptor components CLR and RAMP1 in the rat retina
Blixt, F. W., Radziwon-Balicka, A., Edvinsson, L. & Warfvinge, K., 2017 aug. 1, I: Experimental Eye Research. 161, s. 124-131 8 s.

Migraine associated with altitude: results from a population-based study in Nepal
Linde, M., Edvinsson, L., Manandhar, K., Risal, A. & Steiner, T. J., 2017 aug. 1, I: European Journal of Neurology. 24, 8, s. 1055-1061 7 s.

The Trigeminovascular Pathway: Role of CGRP and CGRP Receptors in Migraine
Edvinsson, L., 2017 maj 1, I: Headache. 57, s. 47-55 9 s.

Perivascular Neurotransmitter Regulation of Cerebral Blood Flow
Edvinsson, L., 2017 mars 7, *Primer on Cerebrovascular Diseases: Second Edition*. Elsevier, s. 70-74 5 s.

Myocardial ischemia-reperfusion enhances transcriptional expression of endothelin-1 and vasoconstrictor ET_B receptors via the protein kinase MEK-ERK1/2 signaling pathway in rat
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