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Department of Neurology
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Employment

Department of Neurology

The Capital Region of Denmark

1 Jan 2019 → present

Translational Research Centre Rigshospitalet

The Capital Region of Denmark

1 Apr 2023 → present

Research outputs

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., Mar 2026, In: Headache Online. 66, 3, p. 672-687 16 p.

Routine Blood and Cerebrospinal Fluid Markers in Newly Diagnosed Idiopathic Intracranial Hypertension: An Exploratory Case-Control Study

Hansen, N. S., Schmidt, I. F., Steenfos, T. W., Korsbæk, J. J., Jørgensen, N. R., Westgate, C. S. J., Hamann, S., Beier, D. & Jensen, R. H., 26 Feb 2026, In: Eye and Brain. 18, 20 p., 552739.

Distinct Alterations of Inflammatory Biomarkers in Cluster Headache: A Case Control Study

Lund, N. L. T., Westgate, C. S. J., Søborg, M.-L. K., Snoer, A. H., Jensen, R. H., Hansen, T. F. & Petersen, A. S., Jul 2025, In: Annals of Neurology. 98, 1, p. 4-18 15 p.

Overuse of analgesics can affect the fertility biomarker Anti-Müllerian Hormone in females. A translational study

Carlsen, L. N., Nielsen, B. S., Rouw, C., Petersen, M. R., Lindh, C. H., Krais, A. M., Westgate, C. S. J., Jeppesen, J. V., Jensen, L. B., Kristensen, S. G., Ziebe, S., Jensen, R. H. & Kristensen, D. M., Nov 2024, In: Cephalalgia : an international journal of headache. 44, 11, 10 p., 3331024241290530.

Metabolic Dysfunction in New-Onset Idiopathic Intracranial Hypertension: Identification of Novel Biomarkers

Korsbæk, J. J., Jensen, R. H., Beier, D., Wibroe, E. A., Hagen, S. M., Molander, L. D., Gillum, M. P., Svart, K., Hansen, T. F., Kogelman, L. J. A. & Westgate, C. S. J., 22 Jun 2024, In: Annals of Neurology. 96, 3, p. 595-607 13 p.

Acetazolamide and topiramate lower intracranial pressure through differential mechanisms- the effect of acute and chronic administration

Westgate, C. S. J., Kamp-Jensen, C., Israelsen, I. M. E., Toft-Bertelsen, T., Wardman, J. H., Jensen, C. A., Styrihave, B., MacAulay, N., Jensen, R. H. & Eftekhari, S., Jan 2024, In: British Journal of Pharmacology. 181, 1, p. 70-86 17 p.

Compensated Hypogonadism Identified in Males with Cluster Headache: A Prospective Case-Controlled Study

Petersen, A. S., Kristensen, D. M., Westgate, C. S. J., Folkmann-Hansen, T., Lund, N., Barloese, M., Søborg, M.-L. K., Snoer, A., Johannsen, T. H., Frederiksen, H., Juul, A. & Jensen, R. H., 2024, In: Annals of Neurology. 95, 6, p. 1149-1161 13 p.

Exposure to topiramate and acetazolamide causes endocrine disrupting effects in female rats during estrus

Kamp-Jensen, C., Donslund, L. N., Styrihave, B., Jensen, R. H. & Westgate, C. S. J., 2024, In: Toxicology and Applied Pharmacology. 486, 116919.

Cycle-dependent sex differences in expression of membrane proteins involved in cerebrospinal fluid secretion at rat choroid plexus

Israelsen, I. M. E., Kamp-Jensen, C., Westgate, C. S. J., Styrihave, B., Jensen, R. H. & Eftekhari, S., 9 Nov 2023, In: BMC Neuroscience. 24, 1, 60.

Effects of caffeine on intracranial pressure and pain perception in freely moving rats

Israelsen, I. M. E., Westgate, C. S. J., Kamp-Jensen, C., Jensen, R. H. & Eftekhari, S., Oct 2023, In: Headache. 63, 9, p. 1220-1231 12 p.

Glucocorticoids modify intracranial pressure in freely moving rats

Westgate, C. S. J., Israelsen, I. M. E., Kamp-Jensen, C., Jensen, R. H. & Eftekhari, S., 25 May 2023, In: Fluids and Barriers of the CNS. 20, 1, 35.

The impact of obesity-related raised intracranial pressure in rodents

Westgate, C. S. J., Hagen, S. M., Israelsen, I. M. E., Hamann, S., Jensen, R. H. & Eftekhari, S., 2022, In: Scientific Reports. 12, 1, 14 p., (2022) 12:9102.

Understanding the link between obesity and headache- with focus on migraine and idiopathic intracranial hypertension

Westgate, C. S. J., Israelsen, I. M. E., Jensen, R. H. & Eftekhari, S., 2021, In: Journal of Headache and Pain. 22, 1, 123.

Guide to preclinical models used to study the pathophysiology of idiopathic intracranial hypertension

Alimajstorovic, Z., Westgate, C. S. J., Jensen, R. H., Eftekhari, S., Mitchell, J., Vijay, V., Seneviratne, S. Y., Mollan, S. P. & Sinclair, A. J., 2020, In: Eye. 34, 8, p. 1321-1333 13 p.

Long-term monitoring of intracranial pressure in freely-moving rats; impact of different physiological states

Eftekhari, S., Westgate, C. S. J., Johansen, K. P., Bruun, S. R. & Jensen, R. H., 2020, In: Fluids and Barriers of the CNS. 17, 1, p. 17-39 39.

A unique androgen excess signature in idiopathic intracranial hypertension is linked to cerebrospinal fluid dynamics

O'Reilly, M. W., Westgate, C. S., Hornby, C., Botfield, H., Taylor, A. E., Markey, K., Mitchell, J. L., Scotton, W. J., Mollan, S. P., Yiangou, A., Jenkinson, C., Gilligan, L. C., Sherlock, M., Gibney, J., Tomlinson, J. W., Lavery, G. G., Hodson, D. J., Artl, W. & Sinclair, A. J., 2019, In: JCI Insight. 4, 6, p. e125348

Preclinical update on regulation of intracranial pressure in relation to idiopathic intracranial hypertension

Eftekhari, S., Westgate, C. S. J., Uldall, M. S. & Jensen, R. H., 2019, In: Fluids and Barriers of the CNS. 16, 1, p. 16-35 12 p.

Prizes

Lundbeckfondens Talent Prize 2023

Westgate, C. S. J. (Recipient), 2023