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Ansættelse

Adjunkt

KI, BRIDGE, Brain Research - Inter-Disciplinary Guided Excellence
Syddansk Universitet
1. mar. 2018 → 30. jun. 2023

Lektor

Neurobiologisk Forskning
Syddansk Universitet
Odense C
1. jul. 2020 → present

Publikationer

Acute neurofilament light chain plasma levels correlate with stroke severity and clinical outcome in ischemic stroke patients

Nielsen, H. H., Soares, C. B., Høgedal, S. S., Madsen, J. S., Hansen, R. B., Christensen, A. A., Madsen, C., Clausen, B. H., Frich, L. H., Degn, M., Sibbersen, C. & Lambertsen, K. L., 11. jun. 2020, I: *Frontiers in Neurology*. 11, 11 s., 448.

Characterization of the TNF and IL-1 systems in human brain and blood after ischemic stroke

Clausen, B. H., Nielsen, M. W., Høgedal, S. S., Frich, L. H., Nielsen, H. H., Schrøder, H. D., Østergaard, K., Finsen, B., Kristensen, B. W. & Lambertsen, K. L., 5. jun. 2020, I: *Acta Neuropathologica Communications*. 8, 17 s., 81.

Oligodendrocytes modulate the immune-inflammatory response in EAE via TNFR2 signaling

Madsen, P. M., Desu, H. L., Pablo de Rivero Vaccari, J., Florimon, Y., Ellman, D. G., Keane, R. W., Clausen, B. H., Lambertsen, K. L. & Brambilla, R., feb. 2020, I: *Brain, Behavior, and Immunity*. 84, s. 132-146

Topical Administration of a Soluble TNF Inhibitor Reduces Infarct Volume After Focal Cerebral Ischemia in Mice

Yli-Karjanmaa, M. L. K., Clausen, B. H., Degn, M., Novrup, H. G., Ellman, D. G., Jensen, P. T., Szymkowski, D. E., Stensballe, A., Meyer, M., Brambilla, R. & Lambertsen, K. L., aug. 2019, I: *Frontiers in Neuroscience*. 13, JUL, 18 s., 781.

Topical administration of a soluble TNF inhibitor reduces infarct volume after focal cerebral ischemia in mice

Yli-Karjanmaa, M., Clausen, B. H., Degn, M., Novrup, H. G., Ellman, D. G., Szymkowski, D. E., Meyer, M., Brambilla, R. & Lambertsen, K. L., 1. jul. 2019, I: *Glia*. 67, Suppl. 1, s. E412

Selectivity, efficacy and toxicity studies of UCCB01-144, a dimeric neuroprotective PSD-95 inhibitor

Bach, A., Clausen, B. H., Kristensen, L. K., Andersen, M. G., Ellman, D. G., Hansen, P. B. L., Hasseldam, H., Heitz, M., Özcelik, D., Tuck, E. J., Kopanitsa, M. V., Grant, S. G. N., Lykke-Hartmann, K., Johansen, F. F., Lambertsen, K. L. & Strømgaard, K., 15. maj 2019, I: *Neuropharmacology*. 150, s. 100-111

Post-stroke inflammation – target or tool for therapy?

Lambertsen, K. L., Finsen, B. & Clausen, B. H., maj 2019, I: *Acta Neuropathologica*. 137, 5, s. 693-714

Distal middle cerebral artery occlusion does not result in depression-like behaviours

Couch, Y., Clausen, B. H., Ormhøj, M., Andersen, M. G., Nygaard, C. K., Møller-Nielsen, M. & Lambertsen, K. L., 7. sep. 2018, I: *F1000Research*. 7, 12 s., 1430.

Inflammation leads to distinct populations of extracellular vesicles from microglia

Yang, Y., Boza-Serrano, A., Dunning, C. J. R., Clausen, B. H., Lambertsen, K. L. & Deierborg, T., 28. maj 2018, I: *Journal of Neuroinflammation*. 15, 19 s., 168.

Beneficial potential of intravenously administered IL-6 in improving outcome after murine experimental stroke

Grønhøj, M. B., Clausen, B. H., Fenger, C., Lambertsen, K. L. & Finsen, B., okt. 2017, I: *Brain, Behavior, and Immunity*. 65, s. 296-311

Fumarate decreases edema volume and improves functional outcome after experimental stroke

Clausen, B. H., Lundberg, L., Yli-Karjanmaa, M. L. K., Martin, N. A., Svensson, M., Zeiler Alfsen, M., Flæng, S. B., Lyngsø, K. S., Boza-Serrano, A., Nielsen, H. H., Hansen, P. B. L., Finsen, B., Deierborg, T., Illés, Z. & Lambertsen, K. L., sep. 2017, I: *Experimental Neurology*. 295, s. 144–154

Spontaneous ischaemic stroke lesions in a dog brain: Neuropathological characterisation and comparison to human ischaemic stroke

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Cortical morphogenesis during embryonic development is regulated by miR-34c and miR-204

Venø, M. T., Venø, S. T., Rehberg, K., van Asperen, J. V., Clausen, B. H., Holm, I. E., Pasterkamp, R. J., Finsen, B. & Kjems, J., 2017, I: *Frontiers in Molecular Neuroscience*. 10, 10 s., 31.

The effect of TNF-blockade on T cell-enhanced microglial clearance of myelin debris

Jensen, K. T., Davidsen, L. I., Grebing, M., Clausen, B. H., Lambertsen, K. L., Nielsen, H. H. & Finsen, B., 2017.

The effect of TNF-blockade on T cell-enhanced microglial clearance of myelin debris.

Jensen, K. T., Grebing, M., Clausen, B. H., Lambertsen, K. L., Nielsen, H. H. & Finsen, B., 2017.

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Mass spectrometry imaging of biomarker lipids for phagocytosis and signalling during focal cerebral ischaemia

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Genetic ablation of soluble TNF does not affect lesion size and functional recovery after moderate spinal cord injury in mice

Ellman, D. G., Degn, M., Lund, M. C., Clausen, B. H., Novrup, H. G., Flæng, S. B., Jørgensen, L. H., Suntharalingam, L., Fex Svenningsen, Å., Brambilla, R. & Lambertsen, K. L., 14. dec. 2016, I: *Mediators of Inflammation*. 2016, 2684098.

Genetic ablation of soluble tumor necrosis factor with preservation of membrane tumor necrosis factor is associated with neuroprotection after focal cerebral ischemia

Madsen, P. M., Clausen, B. H., Degn, M., Thyssen, S., Kristensen, L. K., Svensson, M., Ditzel, N., Finsen, B., Deierborg, T., Brambilla, R. & Lambertsen, K. L., 1. sep. 2016, I: *Journal of Cerebral Blood Flow and Metabolism*. 36, 9, s. 1553-1569

Conditional ablation of myeloid TNF increases lesion volume after experimental stroke in mice, possibly via altered ERK1/2 signaling

Clausen, B. H., Degn, M., Sivasaravanaparan, M., Fogtman, T., Andersen, M. G., Trojanowsky, M. D., Gao, H., Hvidsten, S., Baun, C., Deierborg, T., Finsen, B., Kristensen, B. W., Bak, S. T., Meyer, M., Lee, J., Nedospasov, S. A., Brambilla, R. & Lambertsen, K. L., 7. jul. 2016, I: *Scientific Reports*. 6, 16 s., 29291.

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Fumaric acid for derivatives for medical use

Illés, Z., Lambertsen, K. L., Finsen, B., Nielsen, H. H. & Clausen, B. H., 19. maj 2016, Patentnr. WO2016074684 (A1), 19. maj 2016, Prioritetsdato 11. nov. 2014, Prioritetsnr. US201462078051P

Myelin-specific T cells induce interleukin-1beta expression in lesion-reactive microglial-like cells in zones of axonal degeneration

Grebing, M., Nielsen, H. H., Fenger, C. D., T Jensen, K., von Linstow, C. U., Clausen, B. H., Söderman, A. M., Lambertsen, K. L., Thomassen, M., Kruse, T. A. & Finsen, B., mar. 2016, I: *Glia*. 64, 3, s. 407-424

Glutamate-system defects behind psychiatric manifestations in a familial hemiplegic migraine type 2 disease-mutation mouse model

Bøttger, P., Glerup, S., Gesslein, B., Illarionova, N. B., Isaksen, T. J., Heuck, A., Clausen, B. H., Füchtbauer, E-M., Gramsbergen, J. B., Gunnarson, E., Aperia, A., Lauritzen, M., Lambertsen, K. L., Nissen, P. & Lykke-Hartmann, K., 25. feb. 2016, I: *Scientific Reports*. 6, 21 s., 22047.

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Clausen, B. H., Lambertsen, K. L., Dagnæs-Hansen, F., Babcock, A., von Linstow, C. U., Meldgaard, M., Kristensen, B. W., Deierborg, T. & Finsen, B., 9. feb. 2016, I: *Acta Neuropathologica*. 131, 5, s. 775-791

Angiotensin AT2-receptor stimulation improves survival and neurological outcome after experimental stroke in mice

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Endogenous IFN-β signaling exerts anti-inflammatory actions in experimentally induced focal cerebral ischemia

Inacio, A. R., Liu, Y., Clausen, B. H., Svensson, M., Kucharz, K., Yang, Y., Stankovich, T., Khorooshi, R. M. H., Lambertsen, K. L., Issazadeh-Navikas, S. & Deierborg, T., 18. nov. 2015, I: *Journal of Neuroinflammation*. 12, 18 s., 211.

Spatio-temporal regulation of circular RNA expression during porcine embryonic brain development

Venø, M. T., Hansen, T. B., Venø, S. T., Clausen, B. H., Grebing, M., Finsen, B., Holm, I. E. & Kjems, J., 5. nov. 2015, I: *Genome Biology (Online Edition)*. 16, 17 s., 245.

Cytokine-producing microglia have an altered beta-amyloid load in aged APP/PS1 Tg mice

Babcock, A. A., Ilkjær, L., Clausen, B. H., Villadsen, B., Dissing-Olesen, L., Bendixen, A. T. M., Lyck, L., Lambertsen, K. L. & Finsen, B., aug. 2015, I: *Brain, Behavior, and Immunity*. 48, August, s. 86-101

Preserved Cerebral Microcirculation After Cardiac Arrest in a Rat Model

Secher, N., Østergaard, L., Iversen, N. K., Lambertsen, K. L., Clausen, B. H., Tønnesen, E. & Granfeldt, A., aug. 2015, I: *Microcirculation*. 22, 6, s. 464-474

The impact of TNFalpha on the developing brain

Breton, A., Stolp, H., Ferrara, L., Lundberg, L., Sa-Pereira, I., Finsen, B., Clausen, B. H., Lambertsen, K. L. & Anthony, D., aug. 2015, I: *Glia*. 63, S1, s. E305-E306 T11-02B.

Systemically administered anti-TNF therapy ameliorates functional outcomes after focal cerebral ischemia

Clausen, B. H., Degn, M., Martin, N. A., Couch, Y., Karimi, L., Ormhøj, M., Mortensen, M-L. B., Gredal, H., Gardiner, C., Sargent, I. I. L., Szymkowski, D. E., Petit, G., Deierborg, T., Finsen, B., Anthony, D. & Lambertsen, K. L., 12. dec. 2014, I:

Journal of Neuroinflammation. 11, 1, 17 s., 203.

No effect of ablation of surfactant protein-D on acute cerebral infarction in mice

Lambertsen, K. L., Østergaard, K., Clausen, B. H., Hansen, S., Stenvang, J., Thorsen, S. B., Meldgaard, M., Kristensen, B. W., Hansen, P. B. L., Sørensen, G. L. & Finsen, B., jul. 2014, I: Journal of Neuroinflammation. 11, 13 s., 123.

Effect of monomethyl-fumarate on experimental stroke

Illés, Z., Clausen, B. H., Finsen, B., Nielsen, H. H., Lundberg, L. & Lambertsen, K. L., 2014, I: Journal of Neuroimmunology. 275, 1-2, s. 221 1 s.

Myelin specific T cells induce inflammasome activation in microglia in zones of axonal degeneration

Grebing, M. M., Nielsen, H. H., Fenger, C., Clausen, B. H., von Linstow, C. U., Jensen, K. T., Soderman, M., Lambertsen, K. L., Thomassen, M., Kruse, T. A. & Finsen, B., 2014, I: Journal of Neuroimmunology. 275, 1-2, s. 151-151

Natural RNA circles function as efficient microRNA sponges

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Clausen, B. H., Fenger, C. & Finsen, B., 2013, I: Methods in Molecular Biology. 1041, s. 83-91

Stimulation of the IL-1 signaling pathway by CNS-infiltrating myelin reactive T cells in zones of axonal degeneration. *Glia*, Volume 61, Issue Suppl 1, S176.

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A high-affinity, dimeric inhibitor of PSD-95 bivalently interacts with PDZ1-2 and protects against ischemic brain damage

Bach, A., Clausen, B. H., Møller, M., Vestergaard, B., Chi, C. N., Round, A., Sørensen, P. L., Nissen, K. B., Kastrop, J. S., Gajhede, M., Jemth, P., Kristensen, A. S., Lundström, P., Lambertsen, K. L. & Stromgaard, K., 2012, I: Proceedings of the National Academy of Sciences of the United States of America. 109, 9, s. 3317-3322 6 s.

Differences in Origin of Reactive Microglia in Bone Marrow Chimeric Mouse and Rat After Transient Global Ischemia

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CSF transthyretin neuroprotection in a mouse model of brain ischemia

Santos, S. D., Lambertsen, K. L., Clausen, B. H., Akinc, A., Alvarez, R., Finsen, B. & Saraiva, M. J., 1. dec. 2010, I: Journal of Neurochemistry. 115, 6, s. 1434-44 11 s.

Functional diversity of microglia-macrophages and the therapeutic use of gene-modified microglia progenitor cells in the traumatized central nervous system

Clausen, B. H., 2010, Syddansk Universitet. Det Sundhedsvidenskabelige Fakultet.

Nuclear translocation of endonuclease G in degenerating neurons after permanent middle cerebral artery occlusion in mice.

Nielsen, M., Lambertsen, K. L., Clausen, B. H., Meldgaard, M., Diemer, N. H., Zimmer, J. & Finsen, B., 1. mar. 2009, I: Experimental Brain Research. 194, 1, s. 17-27

Microglia protect neurons against ischemia by synthesis of tumor necrosis factor: Microglial Neuroprotection in Experimental Stroke

Lambertsen, K. L., Clausen, B. H., Babcock, A., Gregersen, R., Fenger, C., Nielsen, H. H., Haugaard, L. S., Wiresfeldt, M., Nielsen, M., Dagnaes-Hansen, F., Bluethmann, H., Færgeman, N. J., Meldgaard, M., Deierborg, T. & Finsen, B., 2009, I: Journal of Neuroscience. 29, 5, s. 1319-30 11 s.

Interleukin-1beta and tumor necrosis factor-alpha are expressed by different subsets of microglia and macrophages after ischemic stroke in mice

Clausen, B. H., Lambertsen, K. L., Babcock, A. A., Holm, T. H., Dagnaes-Hansen, F. & Finsen, B., 1. jan. 2008, I: Journal of Neuroinflammation. 5, s. 46

Changes in brain levels of N-acylethanolamines and 2-arachidonoylglycerol in focal cerebral ischemia in mice

Degn, M., Lambertsen, K. L., Petersen, G., Meldgaard, M., Artmann, A., Clausen, B. H., Hansen, S. H., Finsen, B., Hansen, H. S. & Lund, T. M., 1. dec. 2007, I: Journal of Neurochemistry. 103, 5, s. 1907-16 9 s.

Microglia and macrophages express tumor necrosis factor receptor p75 following middle cerebral artery occlusion in mice

Lambertsen, K. L., Clausen, B. H., Fenger, C., Johansson, H. W., Owens, T., Dagnaes-Hansen, F., Meldgaard, M. & Finsen, B., 9. feb. 2007, I: Neuroscience. 144, 3, s. 934-49 15 s.

Glyceraldehyde-3-phosphate dehydrogenase versus toluidine blue as a marker for infarct volume estimation following permanent middle cerebral artery occlusion in mice.

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A role for interferon-gamma in focal cerebral ischemia in mice

Lambertsen, K. L., Gregersen, R., Meldgaard, M., Clausen, B. H., Hejbøl, E. K., Ladeby, R., Knudsen, J., Frandsen, A., Owens, T. & Finsen, B., 1. sep. 2004, I: Journal of Neuropathology and Experimental Neurology. 63, 9, s. 942-55 13 s.

Aktiviteter

TNF Superfamily Meeting 2019

Bettina Hjelm Clausen (Deltager)
3. jun. 2019 → 7. jun. 2019

10th international symposium on neuroprotection and neurorepair

Bettina Hjelm Clausen (Underviser)
9. okt. 2018 → 11. okt. 2018

Nordic Stroke

Bettina Hjelm Clausen (Deltager)
23. aug. 2017 → 25. aug. 2017

9th International Symposium on Neuroprotection and Neurorepair

Bettina Hjelm Clausen (Deltager)
19. apr. 2016 → 22. apr. 2016

42th annual meeting of the Scandinavian Society of Immunology

Bettina Hjelm Clausen (Deltager)
11. jun. 2014 → 14. jun. 2014

8th International Symposium on Neuroprotection and Neurorepair

Bettina Hjelm Clausen (Deltager)

9. apr. 2014 → 12. apr. 2014

University of Sydney

Bettina Hjelm Clausen (Gæsteforsker)

21. sep. 2013 → 20. dec. 2013

XI European Meeting on Glial Cells in Health and Disease (GLIA 2013) July 3 – 6 2013, Berlin, Germany

Bettina Hjelm Clausen (Deltager)

3. jul. 2013 → 6. jul. 2013

X Northern Lights Neuroscience Symposium (NLNS) 2013

Bettina Hjelm Clausen (Deltager)

23. maj 2013 → 25. maj 2013

ISN 2013 Glia Satellite

Bettina Hjelm Clausen (Deltager)

15. apr. 2013 → 22. apr. 2013

11th ISNI Congress in Boston

Bettina Hjelm Clausen (Deltager)

31. okt. 2012 → 8. nov. 2012

7th International Symposium on Neuroprotection and Neurorepair

Bettina Hjelm Clausen (Deltager)

3. maj 2012

Laboratory for Experimental Brain Research

Bettina Hjelm Clausen (Gæsteforsker)

1. jun. 2011 → 30. jul. 2011