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Ansættelse

Institut for Molekylær Medicin
SDU
1. mar. 2021 → present

Professor

Neurobiologisk Forskning
SDU
Odense C
1. mar. 2021 → present

CV

Academic qualifications

1995 Dr. med., Aarhus University (AaU)
1988 MD, AaU. Authorization ID: 00BN8

Academic appointments

2000- Professor, Neurobiology, Department of Molecular Medicine (IMM), SDU
1993 Assoc. prof., Anatomy & Cell Biology, IMB, Odense University
1988 Research fellow, Neurobiology, Institute of Anatomy, AaU

Secondments abroad

2009-12 Senior Fellow, Freiburg Institute for Advanced Studies - School of Life Sciences - LIFENET, Freiburg
1998-99 Sabbatical, Laboratory of Developmental Biology (Dr. Alan C. Peterson), Royal Victoria Hospital, McGill University, Montreal

Selected activities

2018- GLIA – Editorial Board Member
2012- Sino-Danish Center for Education and Research, SDC
2011-2016 Outreach Representative SDU, The Brain Prize, The Grete Lundbeck Foundation

Network organization

2013-2018 COPING AD, Collaborative Project on the Interaction between Neurons and Glia in Alzheimer's Disease, SDU2020

Research focus

- o Microglial immunity in Alzheimer's disease
- o Regulation of remyelination in multiple sclerosis
- o Microglial neuroprotection in stroke

Lab-members

Katrine Tækker Krohn, Leda Abbasowa, Birgitte Villadsen, Line Bandsholm, Cecilie Madsen, Gabriel Jensen, Thea Helena Holbek, Victoria Emilie Neesgaard, Sussanne Petersen.
Guest researchers: Athanasios Metaxas, Gürol Atar, Barbara Blicher Thomsen.

Positions

Bright young people bringing their own salary are always welcome to join our lab.

Funding

Danish Alzheimer Society, Danish Multiple Sclerosis Society, Danish Research Agency.

Scientific contributions

PubMed indexed items: 149 (Entry: Finsen B). H-index: 43 (Scopus).

Publikationer

Characterization of the Novel P2X7 Receptor Radioligand [³H]JNJ-64413739 in Human Brain Tissue

Mikkelsen, J. D., Aripaka, S. S., Kaad, S., Pazarlar, B. A., Pinborg, L., Finsen, B., Varrone, A., Bang-Andersen, B. & Bastlund, J. F., 2023, I: ACS Chemical Neuroscience. s. 111-118

Ceruloplasmin deficient mice show changes in PTM profiles of proteins involved in messenger RNA processing and neuronal projections and synaptic processes

Villadsen, B., Thygesen, C., Grebing, M., Kempf, S. J., Sandberg, M. B., Jensen, P., Kolstrup, S. H., Nielsen, H. H., Larsen, M. R. & Finsen, B., 29. dec. 2022, (E-pub ahead of print) I: Journal of Neurochemistry.

Efficacy of Chronic Paroxetine Treatment in Mitigating Amyloid Pathology and Microgliosis in APPSWE/PS1ΔE9 Transgenic Mice

Sivasaravanaparan, M., Olesen, L. Ø., Severino, M., von Linstow, C. U., Lambertsen, K. L., Gramsbergen, J. B., Hasselstrøm, J., Metaxas, A., Wiborg, O. & Finsen, B., 2. mar. 2022, I: Journal of Alzheimer's Disease. 87, 2, s. 685-699

The Combined Effects of Amyloidosis and Serotonin Deficiency by Tryptophan Hydroxylase-2 Knockout Impacts Viability of the APP/PS1 Mouse Model of Alzheimer's Disease

von Linstow, C. U., Waider, J., Bergh, M. S-S., Anzalone, M., Madsen, C., Nicolau, A. B., Wirenfeldt, M., Lesch, K-P. & Finsen, B., 1. feb. 2022, I: Journal of Alzheimer's disease : JAD. 85, 3, s. 1283-1300

Mild Microglial Responses in the Cortex and Perivascular Macrophage Infiltration in Subcortical White Matter in Dogs with Age-Related Dementia Modelling Prodromal Alzheimer's Disease

Thomsen, B. B., Madsen, C., Krohn, K. T., Thygesen, C., Schütt, T., Metaxas, A., Darvesh, S., Agerholm, J. S., Wirenfeldt, M., Berendt, M. & Finsen, B., 21. jul. 2021, I: Journal of Alzheimer's Disease. 82, 2, s. 575-592

Bone Marrow-Derived IL-1Ra Increases TNF Levels Poststroke

von Linstow, C. U., Hindkjær, S. M., Nielsen, P. V., Degn, M., Lambertsen, K. L., Finsen, B. & Clausen, B. H., 20. apr. 2021, I: Cells. 10, 4, 20 s., 956.

Tumor necrosis factor (Tnf) is required for spatial learning and memory in male mice under physiological, but not im-mune-challenged conditions

Mygind, L., Skov-Skov Bergh, M., Tejsi, V., Vaitheeswaran, R., Lambertsen, K. L., Finsen, B. & Metaxas, A., mar. 2021, I: Cells. 10, 3, 19 s., 608.

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.

Increased Inflammation and Unchanged Density of Synaptic Vesicle Glycoprotein 2A (SV2A) in the Postmortem Frontal Cortex of Alzheimer's Disease Patients

Metaxas, A., Thygesen, C., Briting, S. R. R., Landau, A. M., Darvesh, S. & Finsen, B., 5. dec. 2019, I: Frontiers in cellular neuroscience. 13, 8 s., 538.

TNF deficiency causes alterations in the spatial organization of neurogenic zones and alters the number of microglia and neurons in the cerebral cortex

Yli-Karjanmaa, M. L. K., Larsen, K. S., Fenger, C., Kristensen, L. K., Martin, N. A., Jensen, P. T., Breton, A., Nathanson, L., Nielsen, P. V., Lund, M. C., Lindeman Carlsen, S., Gramsbergen, J. B., Finsen, B., Stubbe, J., Frich, L. H., Stolp, H., Brambilla, R., anthony, D., Meyer, M. & Lambertsen, K. L., 1. nov. 2019, I: Brain, Behavior, and Immunity. 82, s. 279-297

Ageing and amyloidosis underlie the molecular and pathological alterations of tau in a mouse model of familial Alzheimer's disease

Metaxas, A., Thygesen, C., Kempf, S. J., Anzalone, M., Vaitheeswaran, R., Petersen, S., Landau, A. M., Audrain, H., Teeling, J. L., Darvesh, S., Brooks, D. J., Larsen, M. R. & Finsen, B., 31. okt. 2019, I: Scientific Reports. 9, 1, 15 s., 15758.

Protective effect of ibuprofen in a rat model of chronic oxaliplatin-induced peripheral neuropathy

Krøigård, T., Metaxas, A., Wirenfeldt, M. & Finsen, B., okt. 2019, I: *Experimental Brain Research*. 237, 10, s. 2645-2651

Microglia Express Insulin-Like Growth Factor-1 in the Hippocampus of Aged APP^{swe}/PS1^{ΔE9} Transgenic Mice

Myhre, C. L., Thygesen, C., Villadsen, B., Vollerup, J., Ilkjær, L., Krohn, K. T., Grebing, M., Zhao, S., Khan, A. M., Dissing-Olesen, L., Jensen, M. S., Babcock, A. A. & Finsen, B., 30. jul. 2019, I: *Frontiers in cellular neuroscience*. 13, 17 s., 308.

Proteomic signatures of neuroinflammation in Alzheimer's disease, multiple sclerosis and ischemic stroke

Thygesen, C., Larsen, M. R. & Finsen, B., jul. 2019, I: *Expert Review of Proteomics*. 16, 7, s. 601-611

Neuroinflammation and amyloid-beta 40 are associated with reduced serotonin transporter (SERT) activity in a transgenic model of familial Alzheimer's disease

Metaxas, A., Anzalone, M., Vaitheeswaran, R., Petersen, S., Landau, A. M. & Finsen, B., 1. maj 2019, I: *Alzheimer's Research & Therapy*. 11, 1, 38.

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

Antibody-mediated clearance of tau in primary mouse microglial cultures requires Fcγ-receptor binding and functional lysosomes

Andersson, C. R., Falsig, J., Stavenhagen, J. B., Christensen, S., Kartberg, F., Rosenqvist, N., Finsen, B. & Pedersen, J. T., 15. mar. 2019, I: *Scientific Reports*. 9, 1, 12 s., 4658.

Diverse protein profiles in CNS myeloid cells and CNS tissue from lipopolysaccharide- and vehicle-injected APP^{SWE}/PS1^{ΔE9} transgenic mice implicate cathepsin Z in alzheimer's disease

Thygesen, C., Ilkjær, L., Kempf, S. J., Hemdrup, A. L., von Linstow, C. U., Babcock, A. A., Darvesh, S., Larsen, M. R. & Finsen, B., nov. 2018, I: *Frontiers in cellular neuroscience*. 12, 21 s., 397.

Reduced Serotonin Transporter Levels and Inflammation in the Midbrain Raphe of 12 month old APP^{swe}/PS1^{ΔE9} Mice

Metaxas, A., Vaitheeswaran, R., Jensen, K. T., Thygesen, C., Ilkjaer, L., Darvesh, S. & Finsen, B., 14. mar. 2018, I: *Current Alzheimer Research*. 15, 5, s. 420-428

Characterizing disease-associated changes in post-translational modifications by mass spectrometry

Thygesen, C., Boll, I., Finsen, B., Modzel, M. & Larsen, M. R., mar. 2018, I: *Expert Review of Proteomics*. 15, 3, s. 245-258

Age-Dependent Changes in the Sarkosyl-Insoluble Proteome of APP^{SWE}/PS1^{ΔE9} Transgenic Mice Implicate Dysfunctional Mitochondria in the Pathogenesis of Alzheimer's Disease

Thygesen, C., Metaxas, A., Larsen, M. R. & Finsen, B., 1. jan. 2018, I: *Journal of Alzheimer's disease : JAD*. 64, 4, s. 1247-1259

Established amyloid-β pathology is unaffected by chronic treatment with the selective serotonin reuptake inhibitor paroxetine

Severino, M., Sivasaravanaparan, M., Olesen, L. Ø., von Linstow, C. U., Metaxas, A., Bouzinova, E., Khan, A. M., Lambertsen, K. L., Babcock, A., Gramsbergen, J. B., Wiborg, O. & Finsen, B., 1. jan. 2018, I: *Alzheimer's & Dementia: Translational Research & Clinical Interventions*. 4, s. 215-223

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

Serotonin augmentation therapy by escitalopram has minimal effects on amyloid-β levels in early-stage Alzheimer's-like disease in mice

von Linstow, C. U., Waider, J., Grebing, M., Metaxas, A., Lesch, K. P. & Finsen, B., 12. sep. 2017, I: *Alzheimer's Research & Therapy*. 9, 12 s., 74.

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

Interleukin-6 is increased in plasma and cerebrospinal fluid of community-dwelling domestic dogs with acute ischaemic stroke

Gredal, H., Thomsen, B. B., Boza-Serrano, A., Garosi, L., Rusbridge, C., anthony, D., Møller, A., Finsen, B., Deierborg, T., Lambertsen, K. L. & Berendt, M., 8. feb. 2017, I: *NeuroReport*. 28, 3, s. 134-140

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

Thomsen, B. B., Gredal, H., Nielsen, M. W., Kristensen, B. W., Clausen, B. H., larsen, A. E., Finsen, B., Berendt, M. & Lambertsen, K. L., 13. jan. 2017, I: *Acta Veterinaria Scandinavica*. 59, 9 s., 7.

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.

Effect of aging and Alzheimer's disease-like pathology on brain monoamines in mice

Von Linstow, C. U., Severino, M., Metaxas, A., Waider, J., Babcock, A., Lesch, K-P., Gramsbergen, J. B. & Finsen, B., 2017, I: *Neurochemistry International*. 108, s. 238-245

Neuron and neuroblast numbers and cytogenesis in the dentate gyrus of aged APP_{swe}/PS1_{dE9} transgenic mice: Effect of long-term treatment with paroxetine

Olesen, L. Ø., Sivasaravanaparan, M., Severino, M., Babcock, A. A., Bouzinova, E. V., West, M. J., Wiborg, O. & Finsen, B., 2017, I: *Neurobiology of Disease*. 104, s. 50-60

TNF α affects CREB-mediated neuroprotective signaling pathways of synaptic plasticity in neurons as revealed by proteomics and phospho-proteomics

Jensen, P., Myhre, C. L., Lassen, P., Metaxas, A., Khan, A. M., Lambertsen, K. L., Babcock, A., Finsen, B., Larsen, M. R. & Kempf, S., 2017, I: *OncoTarget*. 8, 36, s. 60223-60242

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.

An integrated proteomics approach shows synaptic plasticity changes in an APP/PS1 Alzheimer's mouse model

Kempf, S. J., Metaxas, A., Ibáñez-Vea, M., Darvesh, S., Finsen, B. & Larsen, M. R., 7. jun. 2016, I: *Oncotarget*. 7, 23, s. 33627-33648

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

Cell therapy centered on IL-1Ra is neuroprotective in experimental stroke

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

Functional organization of an Mbp enhancer exposes striking transcriptional regulatory diversity within myelinating glia

Dionne, N., Dib, S., Finsen, B., Denarier, E., Kuhlmann, T., Drouin, R., Kokoeva, M., Hudson, T. J., Siminovitch, K., Friedman, H. C. & Peterson, A. C., jan. 2016, I: *Glia*. 64, 1, s. 175-194

Behavioural Phenotyping of APP^{swe}/PS1^{ΔE9} Mice: Age-Related Changes and Effect of Long-Term Paroxetine Treatment

Olesen, L. Ø., Bouzinova, E. V., Severino, M., Sivasaravanaparan, M., Hasselstrøm, J. B., Finsen, B. & Wiborg, O., 2016, I: *PLOS ONE*. 11, 11, 21 s., e0165144.

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

Telomere dysfunction reduces microglial numbers without fully inducing an aging phenotype.

Khan, A. M., Babcock, A., Saeed, H., Myhre, C. L., Kassem, M. & Finsen, B., jun. 2015, I: *Neurobiology of Aging*. 36, 6, s. 2164-2175 12 s.

Neuroinflammation in Alzheimer's disease

Heneka, M. T., Carson, M. J., Khoury, J. E., Landreth, G. E., Brosseron, F., Feinstein, D. L., Jacobs, A. H., Wyss-Coray, T., Vitorica, J., Ransohoff, R. M., Herrup, K., Frautschy, S. A., Finsen, B., Brown, G. C., Verkhatsky, A., Yamanaka, K., Koistinaho, J., Latz, E., Halle, A., Petzold, G. C., & 17 flereTown, T., Morgan, D., Shinohara, M. L., Perry, V. H., Holmes, C., Bazan, N. G., Brooks, D. J., Hunot, S., Joseph, B., Deigendesch, N., Garaschuk, O., Boddeke, E., Dinarello, C. A., Breitner, J. C., Cole, G. M., Golenbock, D. T. & Kummer, M. P., 1. apr. 2015, I: *Lancet Neurology*. 14, 4, s. 388-405 18 s.

CD8+ T Cells Complement Antibodies in Protecting against Yellow Fever Virus

Bassi, M. R., Kongsgaard, M., Steffensen, M. A., Fenger, C., Rasmussen, M., Skjødt, K., Finsen, B., Stryhn, A., Buus, S., Christensen, J. P. & Thomsen, A. R., 1. feb. 2015, I: *Journal of Immunology*. 194, 3, s. 1141-1153

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.

Suppressors of cytokine signaling 1 and 3 are upregulated in brain resident cells in response to virus-induced inflammation of the central nervous system via at least two distinctive pathways

Steffensen, M. A., Fenger, C., Christensen, J. E., Jørgensen, C. K., Bassi, M. R., Christensen, J. P., Finsen, B. & Thomsen, A. R., dec. 2014, I: *Journal of Virology*. 88, 24, s. 14090-14104

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.

Accelerated microglial pathology is associated with A β plaques in mouse models of Alzheimer's disease

Baron, R., Babcock, A. A., Nemirovsky, A., Finsen, B. & Monsonego, A., 2014, I: *Aging Cell*. 13, 4, s. 584-595

Inflammatory responses and plaque deposition in early stage Alzheimer's pathology in mice

Ilkjær, L., Babcock, A., Myhre, C. L. & Finsen, B., 2014, I: *Journal of Neuroimmunology*. 275, 1-2, s. 154-155 2 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

Alternative polyadenylation and miR-34 family members regulate tau expression

Dickson, J. R., Kruse, C., Montagna, D. R., Finsen, B. & Wolfe, M. S., dec. 2013, I: *Journal of Neurochemistry*. 127, 6, s. 739-749

Oral treatment with the NADPH oxidase antagonist apocynin mitigates clinical and pathological features of parkinsonism in the MPTP marmoset model

Philippens, I. H. C. H. M., Wubben, J. A., Finsen, B. & 't Hart, B. A., jun. 2013, I: *Journal of Neuroimmune Pharmacology*. 8, 3, s. 715-726 12 s.

Natural RNA circles function as efficient microRNA sponges

Hansen, T. B., Jensen, T. I., Clausen, B. H., Bramsen, J. B., Finsen, B., Damgaard, C. K. & Kjems, J., 21. mar. 2013, I: *Nature*. 495, 7441, s. 384-388

In situ hybridization of cytokine mRNA using alkaline phosphatase-labelled oligodeoxynucleotide probes

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

Quantification of microglial proliferation and apoptosis by flow cytometry

Babcock, A. A., Wirenfeldt, M. & Finsen, B., 2013, I: *Methods in Molecular Biology*. 1041, s. 129-145 17 s.

Differential impact of interferon regulatory factor 7 in initiation of the type I interferon response in the lymphocytic choriomeningitis virus-infected central nervous system versus the periphery

Christensen, J. E., Fenger, C., Issazadeh-Navikas, S., Krug, A., Liljestrøm, P., Goriely, S., Paludan, S. R., Finsen, B., Christensen, J. P. & Thomsen, A. R., 2012, I: *Journal of Virology*. 86, 13, s. 7384-92 9 s.

Inflammatory cytokines in experimental and human stroke

Lambertsen, K. L., Biber, K. & Finsen, B., 2012, I: *Journal of Cerebral Blood Flow and Metabolism*. 32, 9, s. 1677-1698

The acyl-CoA binding protein is required for normal epidermal barrier function in mice

Bloksgaard, M., Bek, S., Marcher, A-B., Neess, D., Brewer, J., Hannibal-Bach, H. K., Helledie, T., Fenger, C., Due, M., Berzina, Z., Neubert, R., Chemnitz, J., Finsen, B., Clemmensen, A., Wilbertz, J., Saxtorph, H., Knudsen, J., Bagatolli, L. & Mandrup, S., 2012, I: *Journal of Lipid Research*. 53, 10, s. 2162-74 13 s.

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

Lambertsen, K. L., Deierborg, T., Gregersen, R., Clausen, B. H., Wirenfeldt, M., Nielsen, H. H., Dalmau, I., Diemer, N. H., Dagnaes-Hansen, F., Johansen, F. F., Keating, A. & Finsen, B., 2011, I: *Journal of Neuropathology and Experimental Neurology*. 70, 6, s. 481-494

Disruption of the acyl-coa binding protein gene delays hepatic adaptation to metabolic changes at weaning

Neess, D., Bloksgaard, M., Sørensen, S. B., Marcher, A-B., Elle, I. C., Helledie, T., Due, M., Pagmantidis, V., Finsen, B., Wilbertz, J., Kruhoeffler, M., Faergeman, N. & Mandrup, S., 2011, I: *Journal of Biological Chemistry*. 286, s. 3460-3472

Innate immune responses in central nervous system inflammation

Finsen, B. & Owens, T., 2011, I: *FEBS Letters*. 585, 23, s. 3606-3612

Stimulation of adult oligodendrogenesis by myelin-specific T cells

Hvilsted Nielsen, H., Toft-Hansen, H., Lambertsen, K. L., Owens, T. & Finsen, B., 2011, I: *American Journal of Pathology*. 179, 4, s. 2028-41 14 s.

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.

Axonal plasticity elicits long-term changes in oligodendroglia and myelinated fibers

Drøjdahl, N., Nielsen, H. H., Gardi, J. E., Wree, A., Peterson, A. C., Nyengaard, J. R., Eyer, J. & Finsen, B., 1. jan. 2010, I: Glia. 58, 1, s. 29-42 13 s.

The postischemic environment differentially impacts teratoma or tumor formation after transplantation of human embryonic stem cell-derived neural progenitors

Seminatore, C., Polentes, J., Ellman, D., Kozubenko, N., Itier, V., Tine, S., Tritschler, L., Brenot, M., Guidou, E., Blondeau, J., Lhuillier, M., Bugi, A., Aubry, L., Jendelova, P., Sykova, E., Perrier, A. L., Finsen, B. & Onteniente, B., 1. jan. 2010, I: Stroke. 41, 1, s. 153-9 7 s.

Expression and role of CXCL10 during the encephalitic stage of experimental and clinical African trypanosomiasis

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An empirical analysis of the precision of estimating the numbers of neurons and glia in human neocortex using a fractionator-design with sub-sampling

Lyck, L., Santamaria, I. D., Pakkenberg, B., Chemnitz, J., Schrøder, H. D., Finsen, B. & Gundersen, H. J. G., 15. sep. 2009, I: Journal of Neuroscience Methods. 182, 2, s. 143-56 13 s.

Enhanced microglial clearance of myelin debris in T cell-infiltrated central nervous system

Nielsen, H. H., Ladeby, R., Fenger, C., Toft-Hansen, H., Babcock, A. A., Owens, T. & Finsen, B., 1. aug. 2009, I: Journal of Neuropathology and Experimental Neurology. 68, 8, s. 845-56 11 s.

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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

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PET Centre and Centre for Functionally Integrative Neuroscience, Aarhus University

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Estimation of absolute microglial cell numbers in mouse fascia dentata using unbiased and efficient stereological cell counting principles

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Memantine attenuates the increase in striatal preproenkephalin mRNA expression and development of haloperidol-induced persistent oral dyskinesias in rats

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Increased synthesis of heparin affin regulatory peptide in the perforant path lesioned mouse hippocampal formation

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IFN γ enhances microglial reactions to hippocampal axonal degeneration.

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Microglia and macrophages are the major source of tumor necrosis factor in permanent middle cerebral artery occlusion in mice

Gregersen, R., Lambertsen, K. & Finsen, B., 2000, I: Journal of Cerebral Blood Flow and Metabolism. 20, s. 53-65

Mikroglia gennem et hundrede år

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Petersen, R., Finsen, B., Andreassen, O. A., Zimmer, J. & Jørgensen, H. A., 2000, I: Brain Research. 859, s. 394-397

Reduced number of striatal neurons expressing preprosomatostatin mRNA in rats with oral dyskinesias after long-term haloperidol administration

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Axotomy-induced Glial Reactions in Normal and Cytokine Transgenic Mice: The Function of Glial Cells in Health and Disease: Dialogue between Glia and Neurons

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Lack of effect of short-term depletion of plasma complement C3 on the survival of syngeneic dopaminergic neurons following grafting into the intact rat striatum

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Pedersen, M. K., Finsen, B., Celis, J. E. & Jensen, N. A., 1999, I: Electrophoresis. 20, s. 249-255

In situ hybridization for somatostatin mRNA in the adult rat: cingulate, insular, prepiriform, perirhinal, entorhinal, and retrosplenial cortical regions

Finsen, B., Garrett, B. & Wree, A., apr. 1996, I: Brain Structure & Function. 193, 4, s. 387-395

Organotypic slice cultures of the rat striatum: an immunocytochemical, histochemical and in situ hybridization study of somatostatin, neuropeptide Y, nicotinamide adenine dinucleotide phosphate-diaphorase, and enkephalin

Rasmussen, J. Z., Finsen, B. & Østergaard, K., 1. jan. 1995, I: Experimental Brain Research. 103, 1, s. 70-84

Prevention of mouse-rat brain xenograft rejection by a combination therapy of cyclosporin A, prednisolone and azathioprine

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Aktiviteter

Innate microglia in Alzheimer's disease

Bente Finsen (Keynote speaker)

15. nov. 2019

Lecture on 'Neurobiology of AD',

Bente Finsen (Underviser)

29. aug. 2019

Posterpresentation

Bente Finsen (Andet)

10. jul. 2019 → 13. jul. 2019

1st Immunology and inflammation Conference

Bente Finsen (Keynote speaker)

24. mar. 2019 → 26. mar. 2019

Perspektivering af artiklen: 'Nøglen til at fremme myelindannelse er fundet'

Bente Finsen (Foredragsholder)

30. jan. 2019

Cold Spring Harbor Asia Conference

Bente Finsen (Keynote speaker)

3. dec. 2018 → 7. dec. 2018

Foredrag

Bente Finsen (Keynote speaker)

26. sep. 2018

Seminar

Bente Finsen (Foredragsholder)

6. sep. 2018

Systemic Inflammation induces Changes in Microglial Disease Associated Proteins and Mitigates Amyloid Pathology in APP/PS1 Transgenic Mice

Bente Finsen (Deltager)

28. aug. 2018

Undervisning på SDC

Bente Finsen (Underviser)

3. jun. 2018

10th Translational Research Meeting on Neurological Diseases

Bente Finsen (Deltager)

25. maj 2018

Inflammatory cytokines, metabolism and neurodegenerative disorders, Annual Meeting

Bente Finsen (Deltager)

14. maj 2018 → 15. maj 2018

Scleroseforeningens Fondsdeltagermøde

Bente Finsen (Deltager)

3. maj 2018

Scleroseforeningens Fondsdeltagermøde

Bente Finsen (Deltager)

25. apr. 2018

Effect of paroxetine treatment on established amyloid pathology in the APP^{swe}/PS1 Δ E9 mouse model of Alzheimer's disease

Bente Finsen (Andet), Mithula Sivasaravanaparan (Andet), Maurizio Severino (Andet), Louise Ørum Olesen (Andet), Athanasios Metaxas (Andet), Elena Bouzinova (Andet), Alicia Babcock (Andet), Jørgen Hasselstrøm (Andet), Jan Bert Gramsbergen (Andet) & Ove Wiborg (Andet)

11. nov. 2017

Modeling progressive cognitive impairment in APP^{swe}/PS1 Δ E9 mice by using the Barnes maze test

Athanasios Metaxas (Oplægsholder), Ramanan Vaitheeswaran (Andet), Shuoshuo Li (Andet), Kate Lykke Lambertsen (Andet) & Bente Finsen (Andet)

11. nov. 2017

XIII European Meeting on Glial Cells in Health and Disease

Bente Finsen (Deltager)

8. jul. 2017 → 11. jul. 2017

Neuroimmunology Workshop

Bente Finsen (Arrangør)

30. maj 2017

post-transkriptionel regulering af tumor nekrose faktor og ander mikroglia-producerede cytokiner

Bente Finsen (Underviser)

8. maj 2017

Post-transkriptionel regulering af tumor nekrose faktor og andre mikroglia-producerede cytokiner'.

Bente Finsen (Underviser)

8. maj 2017

MSc course in Neuroimmunology & Inflammation

Bente Finsen (Arrangør)

3. maj 2017

10th FENS Forum of Neuroscience

Bente Finsen (Deltager)

2. jul. 2016 → 6. jul. 2016

Danish-Israeli Ressearch Network on Neuroimmunologi

Bente Finsen (Deltager)

9. dec. 2015

Neurobiology of AD

Bente Finsen (Deltager)

26. aug. 2015

ADEX (Ekstern organisation)

Bente Finsen (Medlem)

10. jun. 2015

Finnish Neuroimmunological Society

Bente Finsen (Deltager)

4. jun. 2015 → 5. jun. 2015

DAREMUS, Dansk Selskab for Forskning i Multipel Sklerose

Bente Finsen (Deltager)

27. maj 2015

Ukendt (Ekstern organisation)

Bente Finsen (Deltager)

23. mar. 2015

Understanding the brain through the hippocampus

Bente Finsen (Deltager)

5. dec. 2014

12th International Congress of Neuroimmunology, Mainz, Germany.

Bente Finsen (Deltager)

9. nov. 2014 → 13. nov. 2014

Brain Research towards Medhanisms and Treatments of Neurodegenerative Diseases

Bente Finsen (Deltager)

19. maj 2014

XXVIII Sandbjerg Symposium

Bente Finsen (Deltager)

4. maj 2014 → 6. maj 2014

SDC Life Sciences

Bente Finsen (Deltager)

26. feb. 2014

MS Symposium 2014

Bente Finsen (Deltager)

16. jan. 2014

Cell biology of remyelination

Bente Finsen (Foredragsholder)

3. okt. 2013

Syddansk Universitet (Ekstern organisation)

Bente Finsen (Medlem)

11. sep. 2013 → 27. sep. 2013

Ukendt (Ekstern organisation)

Bente Finsen (Deltager)

11. sep. 2013 → 27. sep. 2013

Ukendt (Ekstern organisation)

Bente Finsen (Deltager)

11. sep. 2013 → 27. sep. 2013

Research in Alzheimer's disease and other neurodegenerative dementias: Neurobiology of AD I and Neurobiology AD II

Bente Finsen (Deltager)

27. aug. 2013 → 30. aug. 2013

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

Bente Finsen (Deltager)

3. jun. 2013 → 6. jun. 2013

Multiple Sclerosis Meeting 2013

Bente Finsen (Oplægsholder)

16. maj 2013

3rd Venusberg Meeting on Neuroinflammation, Mechanisms, Clinics

Bente Finsen (Deltager)

28. feb. 2013 → 2. mar. 2013

Stimulation of adult oligodendrogenesis by myelin-specific T cells

Bente Finsen (Foredragsholder)

17. jan. 2013

Alzheimers - når hjernen falder fra hinanden: Hvorfor hjernen falder fra hinanden

Bente Finsen (Foredragsholder)

12. nov. 2012

Danish Scientific Advisory Board (Ekstern organisation)

Bente Finsen (Medlem)

29. aug. 2012

menneskets hjernebark - fra struktur til funktion.

Bente Finsen (Foredragsholder)

29. aug. 2012

Neurobiology of Alzheimer's disease

Bente Finsen (Foredragsholder)

29. aug. 2012

Neuroinflammation in Alzheimers Disease

Bente Finsen (Foredragsholder)

29. aug. 2012

Innate immunity in Alzheimer's and depression. Psykiatrisk Videncenter, Århus Universitetshospital

Bente Finsen (Foredragsholder)

16. maj 2012

XXVI Sandbjerg Symposium

Bente Finsen (Deltager)

7. maj 2012 → 8. maj 2012

Understanding the brain through the hippocampus: Microglia - biology and disease involvement

Bente Finsen (Andet)

8. dec. 2011

Ph.D. Bedømmelsesudvalg (Ekstern organisation)

Bente Finsen (Medlem)

23. aug. 2011

Alzheimer's Association International Conference 2011

Bente Finsen (Deltager)

16. jul. 2011 → 21. jul. 2011

Alzheimer's Association International Conference 2011

Bente Finsen (Deltager)

16. jul. 2011 → 21. jul. 2011

Expression of IL-1b and TNF in Alzheimer's Pathology in Mice

Bente Finsen (Foredragsholder)

16. jul. 2011 → 21. jul. 2011

Postgraduate course, Aarhus University

Bente Finsen (Deltager)

15. jun. 2011

Københavns Universitet (Ekstern organisation)

Bente Finsen (Medlem)

29. okt. 2010

Presse/medie**Bente Finsen: Jeg håber på at kunne bidrage med at udvælge den forskning, der er bedst og har de største perspektiver indenfor sclerose**

Bente Finsen

16/04/2021

1 Mediebidrag

Berømt Alzheimer-forskning anklaget for manipulation - skal vi omskrive lærebøgerne om sygdommen?

Bente Finsen

31/08/2022

1 Mediebidrag

Das Immunsystem im Fokus

Bente Finsen

25/02/2019

1 Mediebidrag

Das Immunsystem im Fokus

Bente Finsen

25/02/2019

1 Mediebidrag

I MORGEN
Bente Finsen
16/03/2021
1 Mediebidrag

På kostskolen fandt hun en familie Prinsesse Benedikte uddeler forskerpriser
Bente Finsen
25/09/2020
1 Mediebidrag

Prominent Alzheimers-forskning anklaget for fusk
Bente Finsen
31/08/2022
1 Mediebidrag

Prominent Alzheimers-forskning anklaget for fusk
Bente Finsen
31/08/2022
1 Mediebidrag

RUNDE FØDSELSDAGE ONSDAG DEN 17. MARTS
Bente Finsen
17/03/2021
1 Mediebidrag

Scleroseforeningen uddeler 7,5 mio. til 20 forskningsprojekter
Bente Finsen
25/10/2021
1 Mediebidrag

SDU giver millioner til egen forskning
Sergey I. Bozhevolnyi, James W. Vaupel, Jan Stentoft, Erik Albæk, Anne-Marie Mai, Lars Bo Andersen, Trond Ulven, Bente Finsen, John Hallam, Jan Mollenhauer, Charlotte Krolokke, Susanne Mandrup, Lars Peter Raahave Østerdal & Jakob Kjelstrup-Hansen
05/07/2013
1 element af Mediedækning

Virker diætbehandling mod multipel sklerose?
Bente Finsen
13/06/2016
1 element af Mediedækning

Undervisning og vejledning

Association between microglial markers of neuroinflammation and the translocator protein TSPO in neocortical tissue of patients with Alzheimer's disease (AD).

& Bente Finsen
01/02/2017 → 24/06/2017

Barnes maze assessment of spatial learning and memory in ageing APP^{swe}/PS1 Δ E9 mice: Association with β -amyloid, tau, and synaptic pathology

& Bente Finsen
01/09/2017 → 01/06/2018

Co-localization of the translocator protein TSPO with markers of microglial cells, proinflammatory cytokines, and Alzheimer's disease (AD) pathology in human brain tissue.

& Bente Finsen
01/09/2017 → 29/12/2017

Evolution of neurofibrillary pathology in the brain of APP swe PS1 ΔE9 mice

& Bente Finsen
01/02/2016 → 31/07/2016

Examination of Amyloid beta plaques, microglia and SERT in the brain stem of APP swe PS1 Δ E9 mice

& Bente Finsen
01/09/2015 → 04/01/2016

Expression of the 5-Hydroxytryptamine receptor 2B (5-HTR2B) by microglia in Alzheimer's disease

& Bente Finsen
01/02/2019 → 01/01/2020

Modul B9: Hjerne og Sanser

& Bente Finsen
28/01/2019 → 21/03/2019

Modul B9: Hjerne og Sanser

& Bente Finsen
02/09/2019 → 29/10/2019

Modulation of learning and memory by TNF-dependent mechanisms

& Bente Finsen
01/09/2017 → 01/06/2018

Radioligand binding studies of 5-hydroxytryptamine (5-HT) 2B receptors in porcine forebrain tissue, and microglial cells

& Bente Finsen
01/02/2019 → 31/07/2019

Role of pro-inflammatory cytokines in regulating the anti-amyloid efficacy of Selective Serotonin Reuptake Inhibitors (SSRIs)

& Bente Finsen
01/02/2016 → 31/07/2016

Role of pro-inflammatory cytokines in regulating the anti-amyloid efficacy of Selective Serotonin Reuptake Inhibitors (SSRIs)

& Bente Finsen
01/06/2017 → 29/12/2017

The Barnes maze test reveals spatial memory deficits in 12-months old APP/PS1 mice

& Bente Finsen
01/03/2016 → 30/04/2016

