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Kort præsentation

I vores forskning vil vi gerne forstå hvilke processer som styrer den menneskelige hjernes udvikling i fostertilstanden. Især vil vi gerne forstå hvad som er unikt ved menneskehjernens udvikling til sammenligning med fx udviklingen hos fluer og mus, som er de dyr der oftest benyttes til at studere hjernens udvikling. Den menneskelige hjerne er særdeles kompleks, da den består af hundredevis af forskellige neurale celletyper, og hver enkelt celletype opfylder en helt særlig og specifik funktion i hjernens neurale netværk. Hvis vi kan forstå hvordan hver enkelt af disse neurale celletyper modnes under fosterudviklingen, så kan vi bruge denne viden til at producere menneskelige nerveceller fra stamceller i laboratoriet. Dette giver os en helt unik mulighed for at studere humane nerveceller i laboratoriet, og vi kan bruge cellerne til f.eks. at finde nye lægemidler eller til transplantation til patienter med hjernesygdomme. Muligheden for a producere og studere humane nerveceller i laboratoriet er unik, eftersom vi ikke på andre måder har mulighed for at få adgang til levende hjernevæv fra mennesker. Vi kan derfor kun studere hvordan humane nerveceller fungerer, hvis vi selv kan lære at producere dem i laboratoriet, og vi kan kun lære at producere dem hvis vi forstår de grundlæggende processer som styrer hjernens udvikling i fostertilstanden.
For mere information:
Om Agnete Kirkebys forskning: https://renew.ku.dk/research/kirkeby_group/
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Se en film om gruppens forskning her
Se en film om Agnete Kirkeby og Malin Parmars arbejde med at udvikle en stamcellebehandling til Parkinsons sygdom **her**

Ansættelse

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6 feb. 2017 → present

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1 feb. 2017 → 30 sep. 2025

Publikationer

APCDD1 shows high specificity for ventral midbrain dopaminergic progenitors in a cell surface marker benchmarking study
Schörling, A. L., Salvador, A., Rifes, P., Hänninen, E., Holm Nygaard, A., Singh Rathore, G., Nelander, J., Rågård Christiansen, J., Møller Jensen, S., Christos Niclis, J., Gustafsson, E., Aldrin-Kirk, P., Zhang, Y., Parmar, M. & Kirkeby, A. , 20 jul. 2026, (E-pub ahead of print) I: npj Parkinson's Disease.

Activation of transposable elements is linked to a region- and cell type-specific interferon response in Parkinson's disease
Garza, R., Adami, A., Thiruvalluvan, A., Wijesinghe, S., Curle, A., Tam, O., Forcier, T., Lagka, D. A., Kazakou, N. L., Atacho, D. A. M., Sharma, Y., Horvath, V., Bermudez, S., Johansson, J., Rainbow, D. B., Castilla-Vallmanya, L., Jones, J. L., Quaegebeur, A., Hammell, M. G. & Kirkeby, A. & 2 flere, Barker, R. A. & Jakobsson, J., 2026, I: Science Advances. 12 , 36, 18 s., eaed2952.

Combining in vitro and in silico approaches to model neural tube patterning and isthmic organizer formation
Bertilsson, F., Degener, A., Ibek, P., Rathore, G. S., Andersson, E., Rifes, P., Kirkeby, A. & Olariu, V., 2026, I: npj Systems Biology and Applications. 12, 1, 19 s., 126.

Generation of human appetite-regulating neurons and tanycytes from pluripotent stem cells
Abay-Nørgaard, Z., Mueller, A. K., Hänninen, E., Rausch, D., Piilgaard, L., Trujillo, L. S., Fedrizzi, L., Christensen, J. B., Salvador, A., Schörling, A. L., Mottelson, N. W., Qin, Q., Sampath, S., Hersbach, B., Henkenjohann, J., Peeters, S., Nikulina, V., Kruse, C. H., Li, Y. & Chinnaiya, K. & 4 flere, Placzek, M., Kajtez, J., Pers, T. H. & Kirkeby, A., 2026, I: Cell Stem Cell. 33, 7, s. 1174-1190.e11

Human embryonic stem cell-derived dopaminergic cells for Parkinson's disease: a phase 1/2 open-label trial
Paul, G., Bjartmarz, H., Kirkeby, A., Nelander, J., Smith, R., Kayhanian, S., Evans, A., Harry, B., Cutting, E., Fazal, S., Lao-Kaim, N. P., van Vliet, T., Ullén, S., Grubor, I., Hansson, O., Piccini, P., Lindvall, O., Björklund, A., Widner, H. & Parmar, M. & 1 flere, Barker, R. A., 2026, I: Nature Medicine. 32, s. 3449–3457

LUMIN: an automated graphical analysis toolbox for high-throughput calcium imaging of *in vitro* neuronal cultures
Hanninen, E., Mueller, A. K., Bagge, J. V., Trujillo, L. S., Fedrizzi, L., Kirkeby, A. & Kajtez, J., 2026, I: Scientific Reports. 16, 1, 13 s., 9496.

Systematic scRNA-seq screens profile neural organoid response to morphogens
Sanchís-Calleja, F., Azbukina, N., Jain, A., He, Z., Okamoto, R., Rusimbi, C., Rifes, P., Rathore, G. S., Santel, M., Janssens, J., Seimiya, M., Eisinger, B., Fleck, J. S., Kirkeby, A., Camp, J. G. & Treutlein, B., 2026, I: Nature Methods. 23, s. 465–478

The challenges of choosing your pluripotent stem cell line
Barker, R. A. & Kirkeby, A., 2026, I: Stem Cell Reports. 21, 4, 2 s., 102864.

Bioactive diamond scaffolds support neuronal survival and axonal growth
Sørensen, R. J. F., Bertram, N., Dubonyte, U., Hersbach, B. A., Salvador, A., Han, A., Kirkeby, A., Berg, R. W. & Daniil, J. K., 2025, I: Engineered Regeneration. 6, s. 160-173

LINE-1 retrotransposons mediate cis-acting transcriptional control in human pluripotent stem cells and regulate early brain development
Adami, A., Garza, R., Gerdes, P., Johansson, P. A., Dorazehi, F., Koutounidou, S., Castilla-Vallmanya, L., Atacho, D. A. M., Sharma, Y., Johansson, J. G., Tam, O., Kirkeby, A., Barker, R. A., Hammell, M. G., Douse, C. H. & Jakobsson, J., 2025, I: Cell Genomics. 5, 10, 27 s., 100979.

Patterning effects of FGF17 and cAMP on generation of dopaminergic progenitors for cell replacement therapy in Parkinson's disease
Holm Nygaard, A., Schörling, A. L., Abay-Nørgaard, Z., Hänninen, E., Li, Y., Ramón Santonja, A., Rathore, G. S., Salvador, A., Rusimbi, C., Lauritzen, K. B., Zhang, Y. & Kirkeby, A., 2025, I: Stem cells (Dayton, Ohio). 43, 3, sxaf004.

Pluripotent stem-cell-derived therapies in clinical trial: A 2025 update
Kirkeby, A., Main, H. & Carpenter, M., 2025, I: Cell Stem Cell. 32, 1, s. 10-37 28 s.

STEM-PD trial protocol: a multi-centre, single-arm, first-in-human, dose-escalation trial, investigating the safety and tolerability of intraputamenal transplantation of human embryonic stem cell-derived dopaminergic cells for Parkinson's disease
Paul, G., Bjartmarz, H., Björklund, A., Cutting, E., Evans, A., Harry, B., Hansson, O., Kayhanian, S., Kirkeby, A., Lao-Kim, N., Lindvall, O., Nelander, J., Piccini, P., Smith, R., Ullén, S., Van Vliet, T., Widner, H., Parmar, M. & Barker, R. A., 2025, I: BMJ Open. 15, 12, 12 s., e107597.

Bioactive Diamond Scaffolds Support Survival and Axonal Regeneration of hESC-Derived Injured Interneurons
Sørensen, R. J. F., Bertram, N., Dubonyte, U., Han, A., Kirkeby, A., Berg, R. W. & Daniil, J. K., 2024, Social Science Research Network (SSRN), s. 1-32, 32 s.

Clinical translation of pluripotent stem cell-based therapies: successes and challenges
Christiansen, J. R. & Kirkeby, A., 2024, I: Development (Cambridge, England). 151, 7, 9 s., dev202067.

Forced *LMX1A* expression induces dorsal neural fates and disrupts patterning of human embryonic stem cells into ventral midbrain dopaminergic neurons
Rifes, P., Kajtez, J., Christiansen, J. R., Schörling, A., Rathore, G. S., Wolf, D. A., Heuer, A. & Kirkeby, A., 2024, I: Stem Cell Reports. 19, 6, s. 830-838

Good Manufacturing Practice–compliant human induced pluripotent stem cells: from bench to putative clinical products
Novoa, J. J., Westra, I. M., Steeneveld, E., Fonseca Neves, N., Arendzen, C. H., Rajaei, B., Grundeken, E., Yildiz, M., van der Valk, W., Salvador, A., Carlotti, F., Dijkers, P. F., Locher, H., van den Berg, C. W., Raymond, K. I., Kirkeby, A., Mummery, C. L., Rabelink, T. J., Freund, C. & Meij, P. & 1 flere, Wieles, B., 2024, I: Cytotherapy. 26, 6, s. 556-566

Lineage tracing of stem cell-derived dopamine grafts in a Parkinson's model reveals shared origin of all graft-derived cells
Storm, P., Zhang, Y., Nilsson, F., Fiorenzano, A., Krausse, N., Åkerblom, M., Davidsson, M., Yuan, J., Kirkeby, A., Björklund, T. & Parmar, M., 2024, I: Science Advances. 10, 42, 14 s., eadn3057.

Risk-based pricing models and the role they might play in patients' access to new stem cell therapies
Hoeyer, K., Borsch, A. S., Jensen, K. B., Kirkeby, A., Steenholdt, C. & Wadmann, S., 2024, I: Regenerative Medicine. 19, 12, s. 589-593 5 s.

Characterising the RNA-binding protein atlas of the mammalian brain uncovers RBM5 misregulation in mouse models of Huntington's disease
Mullari, M., Fossat, N., Skotte, N. H., Asenjo-Martinez, A., Humphreys, D. T., Bukh, J., Kirkeby, A., Scheel, T. K. H. & Nielsen, M. L., 2023, I: Nature Communications. 14, 20 s., 4348.

Identifying secreted biomarkers of dopaminergic ventral midbrain progenitor cells
Rifes, P., Isaksson, M., Rusimbi, C., Ramón Santonja, A., Nelander, J., Laurell, T. & Kirkeby, A., 2023, I: Stem Cell Research and Therapy. 14, 1, 354.

Preclinical quality, safety, and efficacy of a human embryonic stem cell-derived product for the treatment of Parkinson's disease, STEM-PD
Kirkeby, A., Nelander, J., Hoban, D. B., Rogelius, N., Bjartmarz, H., Storm, P., Fiorenzano, A., Adler, A. F., Vale, S., Mudannayake, J., Zhang, Y., Cardoso, T., Mattsson, B., Landau, A. M., Glud, A. N., Sørensen, J. C., Lillethorup, T. P., Lowdell, M., Carvalho, C. & Bain, O. & 11 flere, van Vliet, T., Lindvall, O., Björklund, A., Harry, B., Cutting, E., Widner, H., Paul, G., Barker, R. A., Parmar, M., Novo Nordisk Cell Therapy R&D & Christiansen, J. R. (Medlem af forfattergruppering) , 2023, I: Cell Stem Cell. 30, 10, s. 1299-1314.e9 17 s.

Ribosomal RNA 2′-O-methylation dynamics impact cell fate decisions
Häfner, S. J., Jansson, M. D., Altinel, K., Andersen, K. L., Abay-Nørgaard, Z., Ménard, P., Fontenas, M., Sørensen, D. M., Gay, D. M., Arendrup, F. S., Tehler, D., Krogh, N., Nielsen, H., Kraushar, M. L., Kirkeby, A. & Lund, A. H., 2023, I: Developmental Cell. 58, 17, s. 1593-1609.e9

Single-cell transcriptomics of human traumatic brain injury reveals activation of endogenous retroviruses in oligodendroglia
Garza, R., Sharma, Y., Atacho, D. A. M., Thiruvalluvan, A., Abu Hamdeh, S., Jönsson, M. E., Horvath, V., Adami, A., Ingelsson, M., Jern, P., Hammell, M. G., Englund, E., Kirkeby, A., Jakobsson, J. & Marklund, N., 2023, I: Cell Reports. 42, 11, 19 s., 113395.

Current advancements of modelling schizophrenia using patient-derived induced pluripotent stem cells
Dubonyte, U., Asenjo-Martinez, A., Werge, T., Lage, K. & Kirkeby, A., 2022, I: Acta Neuropathologica Communications. 10 , 1, 20 s., 183.

Human Embryonic Stem Cell-Derived Dopaminergic Grafts Alleviate L-DOPA Induced Dyskinesia
Elabi, O. F., Pass, R., Sormonta, I., Nolbrant, S., Drummond, N., Kirkeby, A., Kunath, T., Parmar, M. & Lane, E. L., 2022, I: Journal of Parkinson's Disease. 12, 6, s. 1881-1896 16 s.

MSLibrarian: Optimized Predicted Spectral Libraries for Data-Independent Acquisition Proteomics
Isaksson, M., Karlsson, C., Laurell, T., Kirkeby, A. & Heusel, M., 2022, I: Journal of Proteome Research. 21, 2, s. 535–546 12 s.

Bringing Advanced Therapies for Parkinson's Disease to the Clinic: The Scientist's Perspective
Tomishima, M. & Kirkeby, A., 2021, I: Journal of Parkinson's Disease. 11, s. S135-S140 6 s.

Preclinical assessment of a pluripotent cell therapy for treatment of Parkinson's Disease
Kirkeby, A., 2021, I: Toxicology Letters. 350, Supplement, s. S37 1 s.

Single cell transcriptomics identifies stem cell-derived graft composition in a model of Parkinson's disease
Tiklová, K., Nolbrant, S., Fiorenzano, A., Björklund, Å. K., Sharma, Y., Heuer, A., Gillberg, L., Hoban, D. B., Cardoso, T., Adler, A. F., Birtele, M., Lundén-Miguel, H., Volakakis, N., Kirkeby, A., Perlmann, T. & Parmar, M., 1 dec. 2020, I: Nature Communications. 11, 1, 11 s., 2434.

Genetic modification increases the survival and the neuroregenerative properties of transplanted neural stem cells
Korshunova, I., Rhein, S., García-González, D., Stölting, I., Pfisterer, U., Barta, A., Dmytriyeva, O., Kirkeby, A., Schwaninger, M. & Khodosevich, K., 2020, I: JCI insight. 5, 4, s. 1-19 e126268.

Modeling neural tube development by differentiation of human embryonic stem cells in a microfluidic WNT gradient
Rifes, P., Isaksson, M., Rathore, G. S., Aldrin-Kirk, P., Moller, O. K., Barzaghi, G., Lee, J., Egerod, K. L., Rausch, D. M., Parmar, M., Pers, T. H., Laurell, T. & Kirkeby, A., 2020, I: Nature Biotechnology. 38, s. 1265-1273 9 s.

Parkinson disease and growth factors — is GDNF good enough?
Kirkeby, A. & Barker, R. A., 1 jun. 2019, I: Nature Reviews Neurology. 15, 6, s. 312-314 3 s.

Report of the international conference on manufacturing and testing of pluripotent stem cells
Abbot, S., Agbanyo, F., Ahlfors, J.-E., Baghbaderani, B. A., Bartido, S., Bharti, K., Burke, C., Carlsson, B., Cavagnaro, J., Creasey, A., Lin, S., DiGiusto, D., Francissen, K., Gaffney, A., Goldring, C., Gorba, T., Griffiths, E., Lubiniecki, A., Vandeputte, J. & Hanatani, T. & 23 flere, Hayakawa, T., Heki, T., Hoogendoorn, K., Kawamata, S., Kimura, H., Kirkeby, A. , Knezevic, I., Lebkowski, J., Lin-Gibson, S., O'Shea, O., Pera, M., Petricciani, J., Pigeau, G., Ratcliffe, A., Sato, Y., Schumann, G. G., Shingleton, W., Stacey, C. G., Sullivan, S., Svendsen, C. N., Trouvin, J.-H., Yuan, B.-Z. & Zoon, K., nov. 2018, I: Biologicals. 63, s. 67-83

Target-specific forebrain projections and appropriate synaptic inputs of hESC-derived dopamine neurons grafted to the midbrain of parkinsonian rats
Cardoso, T., Adler, A. F., Mattsson, B., Hoban, D. B., Nolbrant, S., Wahlestedt, J. N., Kirkeby, A., Grealish, S., Björklund, A. & Parmar, M., 1 sep. 2018, I: The Journal of Comparative Neurology. 526, 13, s. 2133-2146

A symphony of stem cells in Vienna - looking to the future
Porrello, E. R. & Kirkeby, A., 8 jun. 2018, I: Development (Cambridge, England). 145, 11, 6 s., 163501.

Sense-Antisense lncRNA Pair Encoded by Locus 6p22.3 Determines Neuroblastoma Susceptibility via the USP36-CHD7-SOX9 Regulatory Axis
Mondal, T., Juvvuna, P. K., Kirkeby, A., Mitra, S., Kosalai, S. T., Traxler, L., Hertwig, F., Wernig-Zorc, S., Miranda, C., Deland, L., Volland, R., Bartenhagen, C., Bartsch, D., Bandaru, S., Engesser, A., Subhash, S., Martinsson, T., Carén, H., Akyürek, L. M. & Kurian, L. & 5 flere, Kanduri, M., Huarte, M., Kogner, P., Fischer, M. & Kanduri, C., 12 mar. 2018, I: Cancer Cell. 33, 3, s. 417-434.e7

IAP-Based Cell Sorting Results in Homogeneous Transplantable Dopaminergic Precursor Cells Derived from Human Pluripotent Stem Cells.
Lehnen, D., Barral, S., Cardoso, T., Grealish, S., Heuer, A., Smiyakin, A., Kirkeby, A., Kollet, J., Cremer, H., Parmar, M., Bosio, A. & Knoebel, S., okt. 2017, I: Stem Cell Reports. 9, 4, s. 1207-1220 14 s.

Term amniotic fluid: an unexploited reserve of mesenchymal stromal cells for reprogramming and potential cell therapy applications.
Moraghebi, R., Kirkeby, A., Chaves, P., Roenn, R. E., Sitnicka, E., Parmar, M., Larsson, M., Herbst, A. & Woods, N.-B., 25 aug. 2017, I: Stem Cell Research & Therapy. 8, 12 s., 190.

Single-Cell Analysis Reveals a Close Relationship between Differentiating Dopamine and Subthalamic Nucleus Neuronal Lineages.
Kee, N., Volakakis, N., Kirkeby, A., Dahl, L., Storvall, H., Nolbrant, S., Lahti, L., Bjoerklund, A. K., Gillberg, L., Joodmardi, E., Sandberg, R., Parmar, M. & Perlmann, T., 5 jan. 2017, I: Cell Stem Cell. 20, 1, s. 29-40 12 s.

Generation of high-purity human ventral midbrain dopaminergic progenitors for *in vitro* maturation and intracerebral transplantation
Nolbrant, S., Heuer, A., Parmar, M. & Kirkeby, A., 2017, I: Nature Protocols. 12, 9, s. 1962-1979

Predictive Markers Guide Differentiation to Improve Graft Outcome in Clinical Translation of hESC-Based Therapy for Parkinson's Disease.
Kirkeby, A., Nolbrant, S., Tiklova, K., Heuer, A., Kee, N., Cardoso, T., Ottosson, D. R., Lelos, M. J., Rifes, P., Dunnett, S. B., Grealish, S., Perlmann, T. & Parmar, M., 2017, I: Cell Stem Cell. 20, 1, s. 135-148 14 s.

Strategies for bringing stem cell-derived dopamine neurons to the clinic: A European approach (STEM-PD)
Kirkeby, A., Parmar, M. & Barker, R. A., 2017, *Functional Neural Transplantation IV: Translation to Clinical Application, Part A.* Bind 230. s. 165-190 26 s. (Progress in Brain Research).

The stem cell niche finds its true north
Kirkeby, A., Perlmann, T. & Pereira, C. F., 15 aug. 2016, I: Development (Cambridge). 143, 16, s. 2877-2881 5 s.

HESC-derived neural progenitors prevent xenograft rejection through neonatal desensitisation
Heuer, A., Jönsson, M. E., Pfisterer, U., Kirkeby, A. & Parmar, M., 1 aug. 2016, I: Experimental Neurology. 282, s. 78-85 8 s.

Are Stem Cell-Based Therapies for Parkinson's Disease Ready for the Clinic in 2016?
Barker, R. A., Parmar, M., Kirkeby, A., Björklund, A., Thompson, L. & Brundin, P., 30 mar. 2016, I: Journal of Parkinson's Disease. 6, 1, s. 57-63 7 s.

Comprehensive analysis of microrna expression in regionalized human neural progenitor cells reveals microRNA-10 as a caudalizing factor
Jönsson, M. E., Wahlestedt, J. N., Åkerblom, M., Kirkeby, A., Malmevik, J., Brattaas, P. L., Jakobsson, J. & Parmar, M., 23 sep. 2015, I: Development (Cambridge). 142, 18, s. 3166-3177 12 s.

Monosynaptic Tracing using Modified Rabies Virus Reveals Early and Extensive Circuit Integration of Human Embryonic Stem Cell-Derived Neurons
Grealish, S., Heuer, A., Cardoso, T., Kirkeby, A., Jönsson, M., Johansson, J., Björklund, A., Jakobsson, J. & Parmar, M., 9 jun. 2015, I: Stem Cell Reports. 4, 6, s. 975-983 9 s.

Human ESC-derived dopamine neurons show similar preclinical efficacy and potency to fetal neurons when grafted in a rat model of Parkinson's disease
Grealish, S., Diguet, E., Kirkeby, A., Mattsson, B., Heuer, A., Bramoulle, Y., Van Camp, N., Perrier, A. L., Hantraye, P., Björklund, A. & Parmar, M., 1 jan. 2014, I: Cell Stem Cell. 15, 5, s. 653-665 13 s.

Generating regionalized neuronal cells from pluripotency, a step-by-stepprotocol
Kirkeby, A., Nelander, J. & Parmar, M., 3 jan. 2013, I: Frontiers in Cellular Neuroscience. JANUARY 2013

Building authentic midbrain dopaminergic neurons from stem CEIIS - Lessons from development
Kirkeby, A. & Parmar, M., 1 dec. 2012, I: Translational Neuroscience. 3, 4, s. 314-319 6 s.

Generation of Regionally Specified Neural Progenitors and Functional Neurons from Human Embryonic Stem Cells under Defined Conditions
Kirkeby, A., Grealish, S., Wolf, D. A., Nelander, J., Wood, J., Lundblad, M., Lindvall, O. & Parmar, M., 28 jun. 2012, I: Cell Reports. 1, 6, s. 703-714 12 s.

Direct conversion of human fibroblasts to dopaminergic neurons
Pfisterer, U., Kirkeby, A., Torper, O., Wood, J., Nelander, J., Dufour, A., Björklund, A., Lindvall, O., Jakobsson, J. & Parmar, M., 21 jun. 2011, I: Proceedings of the National Academy of Sciences of the United States of America. 108, 25, s. 10343-10348 6 s.

Tracking differentiating neural progenitors in pluripotent cultures using microRNA-regulated lentiviral vectors
Sachdeva, R., Jönsson, M. E., Nelander, J., Kirkeby, A., Guibentif, C., Gentner, B., Naldini, L., Björklund, A., Parmar, M. & Jakobsson, J., 22 jun. 2010, I: Proceedings of the National Academy of Sciences of the United States of America. 107, 25 , s. 11602-11607 6 s.

The biological and ethical basis of the use of human embryonic stem cells for in vitro test systems or cell therapy
Leist, M., Bremer, S., Brundin, P., Hescheler, J., Kirkeby, A., Krause, K. H., Pörzgen, P., Pucéat, M., Schmidt, M., Schrattenholz, A., Zak, N. B. & Hentze, H., 1 dec. 2008, I: Altex. 25, 3, s. 163-190 28 s.

Therapeutic window for nonerythropoietic carbamylated-erythropoietin to improve motor function following multiple infarct ischemic strokes in New Zealand white rabbits
Lapchak, P. A., Kirkeby, A., Zivin, J. A. & Sager, T. N., 31 okt. 2008, I: Brain Research. 1238, s. 208-214 7 s.

High-dose erythropoietin alters platelet reactivity and bleeding time in rodents in contrast to the neuroprotective variant carbamyl-erythropoietin (CEPO).
Kirkeby, A., Torup, L., Bochsen, L., Kjalke, M., Abel, K., Theilgaard-Mønch, K., Johansson, P. I., Bjørn, S. E., Gerwien, J. & Leist, M., 2008, I: Thrombosis and Haemostasis. 99, 4, s. 720-8 8 s.

Functional and immunochemical characterisation of different antibodies against the erythropoietin receptor
Kirkeby, A., van Beek, J., Nielsen, J., Leist, M. & Helboe, L., 15 aug. 2007, I: Journal of Neuroscience Methods. 164, 1, s. 50-58 9 s.

Comparison of neuroprotective effects of erythropoietin (EPO) and carbamylerythropoietin (CEPO) against ischemia-like oxygen-glucose deprivation (OGD) and NMDA excitotoxicity in mouse hippocampal slice cultures
Montero, M., Poulsen, F. R., Noraberg, J., Kirkeby, A., van Beek, J., Leist, M. & Zimmer, J., 1 mar. 2007, I: Experimental Neurology. 204, 1, s. 106-117 12 s.