

Employment

Professor

Eisel lab
University of Groningen
1-Sept-2003 → present

Scientific Advisory Board member

Samenwerkingsverband BRAINS
Netherlands
1-Jan-2022 → present

Science Advisory Board member, Fellowship Program Committee

Alzheimer Nederland
1-Jan-2016 → 1-Jan-2018

Science Advisory Board member

Internationale Stichting Alzheimer Onderzoek (ISAO)
1-Jan-2012 → 1-Jan-2016

Research outputs

Microglial TNFR2 signaling regulates the inflammatory response after CNS injury in a sex-specific fashion

Raffaele, S., Thougard, E., Laursen, C. C. H., Gao, H., Andersen, K. M., Nielsen, P. V., Orti-Casañ, N., Blichfeldt-Eckhardt, M., Koch, S., Deb-Chatterji, M., Magnus, T., Stubbe, J., Madsen, K., Meyer, M., Degn, M., Eisel, U. L. M., Wlodarczyk, A., Fumagalli, M., Clausen, B. H., Brambilla, R., & 1 others Lambertsen, K. L., Feb-2024, In: Brain, Behavior, and Immunity. 116, p. 269-285 17 p.

Novel crosstalk mechanisms between GluA3 and Epac2 in synaptic plasticity and memory in Alzheimer's disease

Zhang, T., Dolga, A. M., Eisel, U. L. M. & Schmidt, M., Feb-2024, In: Neurobiology of Disease. 191, 106389.

Mitochondrial transplantation rescues neuronal cells from ferroptosis

Chen, T., Majerníková, N., Marmolejo-Garza, A., Trombetta-Lima, M., Sabogal-Guáqueta, A. M., Zhang, Y., Ten Kate, R., Zuidema, M., Mulder, P. P. M. F. A., den Dunnen, W., Gosens, R., Verpoorte, E., Culmsee, C., Eisel, U. L. M. & Dolga, A. M., 1-Nov-2023, In: Free Radical Biology and Medicine. 208, p. 62-72 11 p.

The effects of social environment on AD-related pathology in hAPP-J20 mice and tau-P301L mice

Lanooij, S. D., Drinkenburg, W. H. I. M., Eisel, U. L. M., van der Zee, E. A. & Kas, M. J. H., 15-Oct-2023, In: Neurobiology of Disease. 187, 18 p., 106309.

Microglia-astrocyte communication in Alzheimer's disease

Wu, Y. & Eisel, U. L. M., 26-Sept-2023, In: Journal of Alzheimer's disease : JAD. 95, 3, p. 785-803 19 p.

The Expression of Epac2 and GluA3 in an Alzheimer's Disease Experimental Model and Postmortem Patient Samples

Zhang, T., Musheshe, N., van der Veen, C. H. J. T. M., Kessels, H. W., Dolga, A., De Deyn, P., Eisel, U. & Schmidt, M., 25-Jul-2023, In: Biomedicine. 11, 8, 16 p., 2096.

The TNFR1 antagonist Atrosimab reduces neuronal loss, glial activation and memory deficits in an acute mouse model of neurodegeneration

Orti Casañ, N., Boerema, A. S., Köpke, K., Ebskamp, A., Keijser, J. N., Zhang, Y., Chen, T., Dolga, A. M., Broersen, K., Fischer, R., Pfizenmaier, K., Kontermann, R. E. & Eisel, U. L. M., 30-Jun-2023, In: Scientific Reports. 13, 1, 13 p., 10622.

Sequential treatment with a TNFR2 agonist and a TNFR1 antagonist improves outcomes in a humanized mouse model for MS

Pegoretti, V., Bauer, J., Fischer, R., Paro, I., Douwenga, W., Kontermann, R. E., Pfizenmaier, K., Houben, E., Broux, B., Hellings, N., Baron, W., Laman, J. D. & Eisel, U. L. M., 3-May-2023, In: *Journal of neuroinflammation*. 20, 1, 13 p., 106.

Influencing cognitive performance via social interactions: A novel therapeutic approach for brain disorders based on neuroanatomical mapping?

Lanooij, S. D., Eisel, U. L. M., Drinkenburg, W. H. I. M., van der Zee, E. A. & Kas, M. J. H., Jan-2023, In: *Molecular Psychiatry*. p. 28-33 6 p.

Activation of TNF Receptor 2 improves synaptic plasticity and enhances amyloid- β clearance in an Alzheimer's disease mouse model with humanized TNF Receptor 2

Ortí-Casañ, N., Wajant, H., Kuiperij, H. B., Hooijmsma, A., Tromp, L., Poortman, I. L., Tadema, N., de Lange, J. H. E., Verbeek, M. M., De Deyn, P. P., Naudé, P. J. W. & Eisel, U. L. M., 2023, In: *Journal of Alzheimer's Disease*. 94, 3, p. 977-991 15 p.

The old second messenger cAMP teams up with novel cell death mechanisms: Potential translational therapeutical benefit for Alzheimer's disease and Parkinson's disease

Zhang, T., Luu, M. D. A., Dolga, A. M., Eisel, U. L. M. & Schmidt, M., 2023, In: *Frontiers in Physiology*. 14, 19 p., 1207280.

Variation in group composition alters an early-stage social phenotype in hAPP-transgenic J20 mice

Lanooij, S. D., Eisel, U. L. M., van der Zee, E. A. & Kas, M., 2023, In: *Journal of Alzheimer's disease : JAD*. 93, 1, p. 211-224 14 p.

A TNF receptor 2 agonist ameliorates neuropathology and improves cognition in an Alzheimer's disease mouse model

Ortí-Casañ, N., Zuhorn, I. S., Naudé, P. J. W., De Deyn, P. P., van Schaik, P. E. M., Wajant, H. & Eisel, U. L. M., 13-Sept-2022, In: *Proceedings of the National Academy of Sciences of the United States of America*. 119, 37, p. e2201137119

Ageing of the Brain

Luiten, P., Nyakas, C., Eisel, U. & Zee, E. V. D., 1-Jan-2022, *Neuroscience in the 21st Century: From Basic to Clinical: Third Edition*. Pfaff, D. W., Volkow, N. D. & Rubenstein, J. L. (eds.). Springer International Publishing AG, p. 3115-3149 35 p.

Serum and cerebrospinal fluid neutrophil gelatinase-associated lipocalin (NGAL) levels as biomarkers for the conversion from mild cognitive impairment to Alzheimer's disease dementia

Naudé, P. J. W., Ramakers, I. H. G. B., van der Flier, W. M., Jiskoot, L. C., Reesink, F. E., Claassen, J. A. H. R., Koek, H. L., Eisel, U. L. M. & De Deyn, P. P., Nov-2021, In: *Neurobiology of Aging*. 107, p. 1-10 10 p.

Lipocalin 2 as a link between ageing, risk factor conditions and age-related brain diseases

Dekens, D. W., Eisel, U. L. M., Gouweleeuw, L., Schoemaker, R. G., De Deyn, P. P. & Naudé, P. J. W., Sept-2021, In: *Ageing Research Reviews*. 70, p. 1-31 31 p.

The continued need for animals to advance brain research

Homberg, J. R., Adan, R. A. H., Alenina, N., Asiminas, A., Bader, M., Beckers, T., Begg, D. P., Blokland, A., Burger, M. E., van Dijk, G., Eisel, U. L. M., Elgersma, Y., Englitz, B., Fernandez-Ruiz, A., Fitzsimons, C. P., van Dam, A-M., Gass, P., Grandjean, J., Havekes, R., Henckens, M. J. A. G., & 54 others Herden, C., Hut, R. A., Jarrett, W., Jeffrey, K., Jezova, D., Kalsbeek, A., Kamermans, M., Kas, M. J., Kasri, N. N., Kiliaan, A. J., Kolk, S. M., Korosi, A., Korte, S. M., Kozicz, T., Kushner, S. A., Leech, K., Lesch, K-P., Lesscher, H., Lucassen, P. J., Luthi, A., Ma, L., Mallien, A. S., Meerlo, P., Mejjas, J. F., Meye, F. J., Mitchell, A. S., Mul, J. D., Olcese, U., González, A. O., Olivier, J. D. A., Pasqualetti, M., Pennartz, C. M. A., Popik, P., Prickaerts, J., de la Prida, L. M., Ribeiro, S., Roozendaal, B., Rossato, J. I., Salari, A-A., Schoemaker, R. G., Smit, A. B., Vanderschuren, L. J. M. J., Takeuchi, T., van der Veen, R., Smidt, M. P., Vyazovskiy, V. V., Wiesmann, M., Wierenga, C. J., Williams, B., Willuhn, I., Wöhr, M., Wolvekamp, M., van der Zee, E. A. & Genzel, L., 4-Aug-2021, In: *Neuron*. 109, 15, p. 2374-2379 6 p.

Altered social behavior in APP-transgenic J20 mice

Lanooij, S., Nieuwenhuis, I., Eisel, U., van der Zee, E. A. & Kas, M., 10-Jun-2021.

Effects of selective TNFR1 inhibition or TNFR2 stimulation, compared to non-selective TNF inhibition, on (neuro)inflammation and behavior after myocardial infarction in male mice

Gouweleeuw, L., Wajant, H., Maier, O., Eisel, U. L. M., Blankesteyn, W. M. & Schoemaker, R. G., Mar-2021, In: Brain, Behavior, and Immunity. 93, p. 156-171 16 p.

Vaccination prevented short-term memory loss, but deteriorated long-term spatial memory in Alzheimer's disease mice, independent of amyloid- β pathology

Oberman, K., Gouweleeuw, L., Hoogerhout, P., Eisel, U. L. M., van Riet, E. & Schoemaker, R. G., 23-Jul-2020, In: Journal of Alzheimer's Disease. 4, 1, p. 261-280 20 p.

Influence of diamond crystal orientation on the interaction with biological matter

Damle, V., Wu, K., De Luca, O., Orti-Casan, N., Norouzi, N., Morita, A., de Vries, J., Kaper, H., Zuhorn, I. S., Eisel, U., Vanpoucke, D. E. P., Rudolf, P. & Schirhagl, R., Jun-2020, In: Carbon. 162, p. 1-12 12 p.

Inflammation and oxidative stress in multiple sclerosis: Consequences for therapy development

Pegoretti, V., Swanson, K. A., Bethea, J. R., Probert, L., Eisel, U. L. M. & Fischer, R., 12-May-2020, In: Oxidative Medicine and Cellular Longevity. 2020, 19 p., 7191080.

Iron chelators inhibit amyloid-beta-induced production of lipocalin 2 in cultured astrocytes

Dekens, D. W., De Deyn, P. P., Sap, F., Eisel, U. L. M. & Naudé, P. J. W., Jan-2020, In: Neurochemistry International. 132, 4 p., 104607.

Alzheimer's disease pathogenesis: The role of disturbed sleep in attenuated brain plasticity and neurodegenerative processes

Havekes, R., Heckman, P. R. A., Wams, E. J., Stasiukonyte, N., Meerlo, P. & Eisel, U. L. M., Dec-2019, In: Cellular Signalling. 64, 8 p., 109420.

Exogenous activation of tumor necrosis factor receptor 2 promotes recovery from sensory and motor disease in a model of multiple sclerosis

Fischer, R., Padutsch, T., Bracchi-Ricard, V., Murphy, K. L., Martinez, G. F., Delguercio, N., Elmer, N., Sendetski, M., Diem, R., Eisel, U. L. M., Smeyne, R. J., Kontermann, R. E., Pfizenmaier, K. & Bethea, J. R., Oct-2019, In: Brain, Behavior, and Immunity. 81, p. 247-259 13 p.

Major depressive disorder is associated with changes in a cluster of serum and urine biomarkers

van Buel, E. M., Meddens, M. J. M., Arnoldussen, E. A., van den Heuvel, E. R., Bohlmeijer, W. C., den Boer, J. A., Muller Kobold, A., Boonman-de Winter, L. J. M., van Rumpft, D., Timmers, L. F. J., Veerman, M. F. A., Kamphuis, J. S., Gladkevich, A. V., Schoevers, R. A., Luiten, P. G. M., Eisel, U. L. M., Bosker, F. J. & Klein, H. C., Oct-2019, In: Journal of Psychosomatic Research. 125, 109796.

Social factors in cognitive decline in AD mouse models

Lanooij, S., Eisel, U., Drinkenburg, P., van der Zee, E. & Kas, M., 20-Jun-2019, (Unpublished).

Social factors in cognitive decline in AD pathology mouse models

Lanooij, S., Eisel, U., Drinkenburg, P., van der Zee, E. & Kas, M., 8-May-2019, (Unpublished).

Hippocampal microglia modifications in C57Bl/6 *Pah^{enu2}* and BTBR *Pah^{enu2}* phenylketonuria (PKU) mice depend on the genetic background, irrespective of disturbed sleep patterns

van der Goot, E., Bruinenberg, V. M., Hormann, F. M., Eisel, U. L. M., van Spronsen, F. J. & van der Zee, E. A., Apr-2019, In: Neurobiology of Learning and Memory. 160, p. 139-143 5 p.

Targeting TNFR2 as a novel therapeutic strategy for Alzheimer's disease

Orti-Casan, N., Wu, Y., Naude, P. J. W., De Deyn, P. P., Zuhorn, I. S. & Eisel, U. L. M., 4-Feb-2019, In: Frontiers in Neuroscience. 13, 8 p., 49.

Therapeutic effects of dietary intervention on neuroinflammation and brain metabolism in a rat model of photothrombotic stroke

Kurtys, E., Casteels, C., Real, C. C., Eisel, U. L. M., Verkuyl, J. M., Broersen, L. M., Klein, H. C., Dierckx, R. A. J. O., Doorduyn, J. & de Vries, E. F. J., Jan-2019, In: *CNS Neuroscience & Therapeutics*. 25, 1, p. 36-46 11 p.

Lipocalin 2 contributes to brain iron dysregulation but does not affect cognition, plaque load, and glial activation in the J20 Alzheimer mouse model

Dekens, D. W., Naudé, P. J. W., Boerema, A. S., Keijser, J. N., De Deyn, P. P. & Eisel, U. L. M., 30-Nov-2018, In: *Journal of neuroinflammation*. 15, 13 p., 330.

Anti-TNFR1 targeting in humanized mice ameliorates disease in a model of multiple sclerosis

Williams, S. K., Fairless, R., Maier, O., Liermann, P. C., Pichi, K., Fischer, R., Eisel, U. L. M., Kontermann, R., Herrmann, A., Weksler, B., Romero, N., Couraud, P.-O., Pfizenmaier, K. & Diem, R., 11-Sept-2018, In: *Scientific Reports*. 8, 1, 14 p., 13628.

Anti-inflammatory effects of rice bran components

Kurtys, E., Eisel, U. L. M., Hageman, R. J. J., Verkuyl, J. M., Broersen, L. M., Dierckx, R. A. J. O. & de Vries, E. F. J., May-2018, In: *Nutrition reviews*. 76, 5, p. 372-379 8 p.

Selective modulation of TnF-TnFRs signaling: Insights for multiple sclerosis treatment

Pegoretti, V., Baron, W., Laman, J. D. & Eisel, U. L. M., 30-Apr-2018, In: *Frontiers in Immunology*. 9, 8 p., 925.

Dynamics of neutrophil gelatinase-associated lipocalin plasma and cerebrospinal fluid concentrations in older males

Naude, P. J. W., Dekens, D. W., Eisel, U. L. M., den Daas, I. & De Deyn, P. P., Dec-2017, In: *European Journal of Clinical Investigation*. 47, 12, 7 p., 12853.

Mouse repeated electroconvulsive seizure (ECS) does not reverse social stress effects but does induce behavioral and hippocampal changes relevant to electroconvulsive therapy (ECT) side-effects in the treatment of depression

van Buel, E. M., Sigrist, H., Seifritz, E., Fikse, L., Bosker, F. J., Schoevers, R. A., Klein, H. C., Pryce, C. R. & Eisel, U. L., 14-Sept-2017, In: *PLoS ONE*. 12, 9, 20 p., e0184603.

Evaluating [¹¹C]PBR28 PET for monitoring gut and brain inflammation in a rat model of chemically induced colitis

Kurtys, E., Doorduyn, J., Eisel, U. L. M., Dierckx, R. A. J. O. & de Vries, E. F. J., Feb-2017, In: *Molecular Imaging and Biology*. 19, 1, p. 68-76 9 p.

Neutrophil gelatinase-associated lipocalin and its receptors in Alzheimer's disease (AD) brain regions: Differential Findings in AD with and without Depression

Dekens, D. W., Naude, P. J. W., Engelborghs, S., Vermeiren, Y., Van Dam, D., Oude Voshaar, R., Eisel, U. L. M. & De Deyn, P. P., 2017, In: *Journal of alzheimers disease*. 55, 2, p. 763-776 14 p.

Essential protective role of tumor necrosis factor receptor 2 in neurodegeneration

Dong, Y., Fischer, R., Naudé, P., Maier, O., Nyakas, C., Duffey, M., van der Zee, E., Dekens, D., Douwenga, W., Herrmann, A., Guenzi, E., Kontermann, R., Pfizenmaier, K. & Eisel, U., 25-Oct-2016, In: *Proceedings of the National Academy of Science of the United States of America*. 113, 43, p. 12304-12309 6 p.

Selective blocking of TNF receptor 1 attenuates peritoneal dialysis fluid induced inflammation of the peritoneum in mice

Kälble, F., Damaske, J., Heide, D., Arnold, I., Richter, F., Maier, O., Eisel, U., Scheurich, P., Pfizenmaier, K., Zeier, M., Schwenger, V. & Ranzinger, J., 18-Oct-2016, In: *PLoS ONE*. 11, 10, 10 p., e0163314.

Depression and markers of inflammation as predictors of all-cause mortality in heart failure

Mommersteeg, P. M. C., Schoemaker, R. G., Naudé, P. J. W., Eisel, U. L. M., Garrelds, I. M., Schalkwijk, C. G., Westerhuis, B. W. J. J. M., Kop, W. J. & Denollet, J., Oct-2016, In: *Brain, Behavior, and Immunity*. 57, p. 144-150 7 p.

The combination of vitamins and omega-3 fatty acids has an enhanced anti-inflammatory effect on microglia

Kurtys, E., Eisel, U. L. M., Verkuyl, J. M., Broersen, L. M., Dierckx, R. A. J. O. & de Vries, E. F. J., Oct-2016, In: *Neurochemistry International*. 99, p. 206-214 9 p.

Brain endothelial- and epithelial-specific interferon receptor chain 1 drives virus-induced sickness behavior and cognitive impairment

Blank, T., Detje, C. N., Spiess, A., Hagemeyer, N., Brendecke, S. M., Wolfart, J., Staszewski, O., Zoeller, T., Papageorgiou, I., Schneider, J., Paricio-Montesinos, R., Eisel, U. L. M., Manahan-Vaughan, D., Jansen, S., Lienenklaus, S., Lu, B., Imai, Y., Mueller, M., Goelz, S. E., Baker, D. P., & 5 othersSchwaninger, M., Kann, O., Heikenwalder, M., Kalinke, U. & Prinz, M., 19-Apr-2016, In: *Immunity*. 44, 4, p. 901-912 12 p.

Aging of the brain

Luiten, P., Nyakas, C., Eisel, U. & van der Zee, E., 1-Jan-2016, *Neuroscience in the 21st Century: From Basic to Clinical*. 2 ed. Springer New York LLC, p. 2755-2789 35 p.

Immunization with small amyloid- β -derived cyclopeptide conjugates diminishes amyloid- β -induced neurodegeneration in mice

Mulder, C. K., Dong, Y., Brugghe, H. F., Timmermans, H. A. M., Tilstra, W., Westdijk, J., van Riet, E., van Steeg, H., Hoogerhout, P. & Eisel, U. L. M., 2016, In: *Journal of Alzheimer's Disease*. 52, 3, p. 1111-1123 13 p.

Electroconvulsive seizures (ECS) do not prevent LPS-induced behavioral alterations and microglial activation

van Buel, E. M., Bosker, F. J., van Drunen, J., Strijker, J., Douwenga, W., Klein, H. C. & Eisel, U. L. M., 12-Dec-2015, In: *Journal of neuroinflammation*. 12, 1, 10 p., 232.

Targeting of tumor necrosis factor alpha receptors as a therapeutic strategy for neurodegenerative disorders

Dong, Y., Dekens, D. W., De Deyn, P. P., Naude, P. J. W. & Eisel, U. L. M., Dec-2015, In: *Antibodies*. 4, 4, p. 369-408 40 p.

NGAL and other markers of inflammation as competitive or complementary markers for depressive symptom dimensions in heart failure

Naudé, P., Mommersteeg, P. M. C., Gouweleeuw, L., Eisel, U. L. M., Denollet, J., Westerhuis, L. W. J. J. M. & Schoemaker, R. G., 3-Oct-2015, In: *World journal of biological psychiatry*. 16, 7, p. 536-541 6 p.

Corrigendum: Biomarker approaches in major depressive disorder evaluated in the context of current hypotheses (vol 9, pg 277, 2015)

Jentsch, M. C., van Buel, E. M., Bosker, F. J., Gladkevich, A. V., Klein, H. C., Oude Voshaar, R. C., Ruhe, E., Eisel, U. L. M. & Schoevers, R. A., 1-Sept-2015, In: *Biomarkers in medicine*. 9, 9, p. 933-933 1 p.

Immune and neurotrophin stimulation by electroconvulsive therapy: Is some inflammation needed after all?

van Buel, E. M., Patas, K., Peters, M., Bosker, F. J., Eisel, U. L. M. & Klein, H. C., 28-Jul-2015, In: *Translational Psychiatry*. 5, 8 p., e609.

Integrative neurobiology of metabolic diseases, neuroinflammation, and neurodegeneration

van Dijk, G., van Heijningen, S., Reijne, A. C., Nyakas, C., van der Zee, E. A. & Eisel, U. L. M., 18-May-2015, In: *Frontiers in Neuroscience*. 9, 19 p., 173.

The role of neutrophil gelatinase associated lipocalin (NGAL) as biological constituent linking depression and cardiovascular disease

Gouweleeuw, L., Naudé, P., Rots, M., de Jongste, M., Eisel, U. & Schoemaker, R., May-2015, In: *Brain, Behavior, and Immunity*. 46, p. 23-32 10 p.

Nitric oxide dysregulation in patients with heart failure: The association of depressive symptoms with l-arginine, asymmetric dimethylarginine, symmetric dimethylarginine, and isoprostane

Mommersteeg, P. M. C., Schoemaker, R., Eisel, U. L. M., Garrelds, I. M., Schalkwijk, C. G. & Kop, W. J., Apr-2015, In: *Psychosomatic Medicine*. 77, 3, p. 292-302 11 p.

Biomarker approaches in major depressive disorder evaluated in the context of current hypotheses

Jentsch, M. C., Van Buel, E. M., Bosker, F. J., Gladkevich, A., Klein, H. C., Oude Voshaar, R., Ruhe, E. G., Eisel, U. L. M. & Schoevers, R. A., 2015, In: *Biomarkers in medicine*. 9, 3, p. 277-297 21 p.

Serum NGAL is associated with distinct plasma amyloid- β peptides according to the clinical diagnosis of dementia in Down syndrome

Naudé, P., Dekker, A. D., Coppus, A. M. W., Vermeiren, Y., Eisel, U. L. M., Duijn, C. M. V., Van Dam, D. & De Deyn, P. P., 2015, In: *Journal of Alzheimer's Disease*. 45, 3, p. 733-743 11 p.

The role of indoleamine 2,3-dioxygenase in a mouse model of neuroinflammation-induced depression

Dobos, N., de Vries, E. F. J., Kema, I. P., Patas, K., Prins, M., Nijholt, I. M., Dierckx, R. A., Korf, J., den Boer, J. A., Luiten, P. G. M. & Eisel, U. L. M., 2015, *Handbook of Depression in Alzheimer's Disease*. Smith, G. S. (ed.). IOS Press, Vol. 4. p. 163-173 11 p. (Advances in Alzheimer's Disease; vol. 4).

Sex-specific associations between Neutrophil Gelatinase-Associated Lipocalin (NGAL) and cognitive domains in late-life depression

Naude, P. J. W., den Boer, J. A., Comijs, H. C., Bosker, F. J., Zuidersma, M., Groenewold, N. A., De Deyn, P. P., Luiten, P. G. M., Eisel, U. L. M. & Oude Voshaar, R. C., Oct-2014, In: *Psychoneuroendocrinology*. 48, p. 169-177 9 p.

Neutrophil Gelatinase-Associated Lipocalin and depression in patients with chronic heart failure

Naudé, P. J. W., Mommersteeg, P. M. C., Zijlstra, W. P., Gouweleeuw, L., Kupper, N., Eisel, U. L. M., Kop, W. J. & Schoemaker, R., May-2014, In: *Brain behavior and immunity*. 38, p. 59-65 7 p.

Analysis of cognition, motor performance and anxiety in young and aged tumor necrosis factor alpha receptor 1 and 2 deficient mice

Naude, P. J. W., Dobos, N., van der Meer, D., Mulder, C., Pawironadi, K. G. D., den Boer, J. A., van der Zee, E. A., Luiten, P. & Eisel, U. L. M., 1-Jan-2014, In: *Behavioural Brain Research*. 258, p. 43-51 9 p.

Linking molecular neurobiology to therapeutic approaches for Alzheimer's disease with PET

Luiten, P. G. M., Masman, M. F., Dobos, N., Nyakas, C., de Vries, E. F. J., Dierckx, R. A. J. O. & Eisel, U. L. M., 2014, *PET and SPECT in Neurology*. Springer, p. 451-478 28 p. Chapter 20

Neutrophil gelatinase-associated lipocalin: A novel inflammatory marker associated with late-life depression

Naude, P. J. W., Eisel, U. L. M., Comijs, H. C., Groenewold, N. A., De Deyn, P. P., Bosker, F. J., Luiten, P. G. M., den Boer, J. A. & Voshaar, R. C. O., Nov-2013, In: *Journal of Psychosomatic Research*. 75, 5, p. 444-450 7 p.

Depression after myocardial infarction: TNF- α -induced alterations of the blood-brain barrier and its putative therapeutic implications

Liu, H., Luiten, P. G. M., Eisel, U. L. M., Dejongste, M. J. L. & Schoemaker, R. G., May-2013, In: *Neuroscience and Biobehavioral Reviews*. 37, 4, p. 561-572 12 p.

Novel diagnostic method for diagnosing depression and monitoring therapy effectiveness

Arnoldussen, E. A. J., Eisel, U. L. M. & Naudé, P. J. W., 17-Jan-2013, Patent No. WO2013009183, 13-Jul-2012, Priority date 14-Jul-2011

Aging of the brain

Luiten, P., Nyakas, C., Eisel, U. & van der Zee, E., 4-Sept-2012, *Neuroscience in the 21st Century: From Basic to Clinical*. Pfaff, D. W. (ed.). 1 ed. New York, Heidelberg, Dordrecht, London: Springer, p. 2239-2272 34 p.

TNF-overexpression in Borna disease virus-infected mouse brains triggers inflammatory reaction and epileptic seizures

Kramer, K., Schaudien, D., Eisel, U. L. M., Herzog, S., Richt, J. A., Baumgaertner, W. & Herden, C., 25-Jul-2012, In: *PLoS ONE*. 7, 7, 16 p., e41476.

Lipocalin 2: Novel component of proinflammatory signaling in Alzheimer's disease

Naudé, P. J. W., Nyakas, C., Eiden, L. E., Ait-Ali, D., Heide, R. V. D., Engelborghs, S., Luiten, P. G. M., De Deyn, P. P., den Boer, J. A. & Eisel, U. L. M., Jul-2012, In: *The FASEB Journal*. 26, 7, p. 2811-2823 13 p.

K_{Ca}2 and K_{Ca}3 channels in learning and memory processes, and neurodegeneration

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Activities

TNFR2 activation as a therapy for Alzheimer's disease

Ulrich Eisel (Speaker)
21-Mar-2023

Immune modulation as therapeutic approach in Alzheimer's disease and neurodegeneration

Ulrich Eisel (Speaker)
14-Sept-2022

Overlapping neurobiological substrate linking sociality and cognition: Implications for Alzheimer's disease

Suzanne Lanooij (Speaker), Ulrich Eisel (Contributor), Eddy van der Zee (Contributor) & Martien Kas (Contributor)
21-Jul-2022

Modulating the immune response in neurodegeneration

Ulrich Eisel (Invited speaker)
7-Jun-2022

Modulating the Immune Response in Neurodegeneration

Ulrich Eisel (Invited speaker)
31-Mar-2022

Samenwerkingsverband BRAINS (External organisation)

Ulrich Eisel (Member of board)
2022 → ...

Learning and Memory in the animal kingdom

Ulrich Eisel (Chair)
28-Nov-2019

Dutch Neuroscience Meeting 2019

Ulrich Eisel (Chair) & Martina Schmidt (Chair)
20-Jun-2019

Cellular Signalling (Journal)

Ulrich Eisel (Editor)
2019 → ...

Mediators of Inflammation (Journal)

Ulrich Eisel (Editor)
2019 → ...

Psychoneuroimmunology Journal (Journal)

Ulrich Eisel (Editor)

2019 → ...

Dutch Neuroscience Meeting 2018

Amalia Dolga (Chair), Ulrich Eisel (Chair), Diana Esquivel Franco (Chair), Danielle Houwing (Chair) & Martien Kas (Chair)

7-Jun-2018 → 8-Jun-2018

Stimulation of TNF receptor 2 as effective therapeutic for Alzheimer's disease

Ulrich Eisel (Supervisor), Peter De Deyn (Supervisor), Pieter Naudé (Supervisor) & Inge Zuhorn (Supervisor)

1-Jan-2018 → ...

NWO Biotechnology and Safety Programme - DOMINO Project User Committee (External organisation)

Ulrich Eisel (Member)

2018 → 2022

PhD project Valentina Pegoretti - TNF-R as therapeutic targets in MS

Ulrich Eisel (Supervisor) & Jon Daniel Laman (Supervisor)

2018 → ...

TN2 Translational Neuroscience Meeting 2017 Amsterdam

Ulrich Eisel (Invited speaker)

12-Oct-2017

VU Brussel - Strategic Research Program Panel (External organisation)

Ulrich Eisel (Member)

11-May-2017 → 12-May-2017

AD/PD meeting Vienna 2017

Ulrich Eisel (Speaker)

31-Mar-2017

The impact of nutrition on neuroinflammation in vitro and in vivo.

Jon Daniel Laman (Member of PhD Examining Committee), Rudi Dierckx (Supervisor) & Ulrich Eisel (Supervisor)

13-Mar-2017

Symposium Multiple Sclerosis

Ulrich Eisel (Keynote speaker)

13-Feb-2017

Admission committee

Ulrich Eisel (Advisor)

25-Jun-2016

Targeting tumor necrosis factor receptors in neurodegeneration: Essential role for TNFR 2 signalling

Ulrich Eisel (Invited speaker)

8-Apr-2016

Alzheimer Nederland - Fellowship Program Committee (External organisation)

Ulrich Eisel (Member)

2016 → 2018

Journal of Alzheimer's Disease (Journal)

Ulrich Eisel (Editor)
2016

15th TNF Meeting Ghent, Belgium

Ulrich Eisel (Keynote speaker)
22-May-2015

TNF and Lipocalin-2 in aging, depression and neurodegenerative diseases

Ulrich Eisel (Keynote speaker)
26-Mar-2015

TNF and Lipocalin in Neurodegenerative Diseases

Ulrich Eisel (Keynote speaker)
2-Mar-2015

TNF mediated pathways in aging and neurodegenerative diseases

Ulrich Eisel (Keynote speaker)
23-Jan-2015

Measuring behavior 2014

Ulrich Eisel (Chair)
27-Aug-2014 → 29-Aug-2014

International Society of Psychoneuroendocrinology Conference

Ulrich Eisel (Keynote speaker)
22-Aug-2013

11th Dutch Endo-Neuro-Psycho meeting

Ulrich Eisel (Keynote speaker)
29-May-2013 → 30-May-2013

IDO: A key Molecule between Neuroinflammation and Depression?

Ulrich Eisel (Keynote speaker)
10-Jan-2012

Modulation of Neuroinflammation in Neurodegenerative Diseases

Ulrich Eisel (Keynote speaker)
9-Dec-2011

Modulation of Neuroinflammation in Neurodegenerative Diseases

Ulrich Eisel (Invited speaker)
24-Nov-2011

Neuroprotective TNF signalling

Ulrich Eisel (Keynote speaker)
9-May-2011

Internationale Stichting Alzheimer Onderzoek (ISAO) - Science Advisory Board (External organisation)

Ulrich Eisel (Member)
2011 → 2016

The role of TNF and TNF receptors in neurodegenerative diseases

Ulrich Eisel (Speaker)
12-Oct-2010

TNFR2-mediated neuroprotection

Ulrich Eisel (Speaker)

14-Jan-2010 → 16-Jan-2010

Press/Media

Antiviral immune response linked to depression in mice

Ulrich Eisel

19/04/2016

1 item of Media coverage

Kan oogarts in de toekomst alzheimer diagnosticeren?

Ulrich Eisel

13/03/2019 → 20/03/2019

1 item of Media coverage, 1 Media contribution

Melatonine en de ziekte van Alzheimer

Robbert Havekes, Ulrich Eisel, Peter Meerlo, Emma Wams, Pim Heckman & Neringa Stasiukonyte

27/09/2019

1 item of Media coverage

New impetus for treatment neurodegenerative diseases

Ulrich Eisel & Yun Dong

10/10/2016

1 item of Media coverage

Selective manipulation of specific receptors may pave way for new MS therapies

Yun Dong, Ulrich Eisel, Pieter Naudé, Csaba Nyakas, Eddy Zee, van der, Doortje Dekens & Wanda Douwenga

14/10/2016 → 27/10/2016

3 items of Media coverage

TNRR2 als een aangrijpingspunt voor de behandeling van MS

Ulrich Eisel, Jon Laman & Wia Baron

25/05/2016 → 20/05/2017

2 items of Media coverage

Tödliche Spaltung

Ulrich Eisel

01/11/1993

1 item of Media coverage

Ultrakleine 'nanodragers' kunnen medicijnen in de hersenen brengen

Ulrich Eisel

22/04/2020

1 item of Media coverage