

Qualifications

Neurology, Senior Lecturer, Faculty of Medicine

2023 Sept 1 → ...

Award Date: 2022 Sept 1

Neuroscience, Associate professor, Faculty of Medicine

Award Date: 2016 Oct 4

Clinical Neuroscience, PhD, Validation of brief cognitive tests, Faculty of Medicine

Award Date: 2011 Jun 18

2020 → ... Board-certified neurologist

Medical doctor, MD

Employment

Associate professor, Senior lecturer

Clinical Memory Research

Lund University

Malmö, Sweden

2007 Jun 11 → present

Principal investigator

MultiPark: Multidisciplinary research focused on Parkinson's disease

Lund University

Lund, Sweden

2012 Jan 1 → present

Profile area member

LU Profile Area: Proactive Ageing

Lund University

Sweden

2023 Jan 1 → present

Senior Consultant Neurologist

Minnesmottagningen, Skånes universitetssjukhus, Malmö

Malmö, Sweden

2020 Mar 1 → present

MD

Skåne University Hospital

Malmö, Sweden

2007 Jan 1 → 2020 Mar 1

Research outputs

Two-step detection of Lewy body pathology via smell-function testing and CSF α -synuclein seed amplification

Mastenbroek, S. E., Collij, L. E., Vogel, J. W., Caldera, S., Serrano, G. E., Adler, C. H., Vargiu, C. M., Palmqvist, S., Barkhof, F., Parchi, P., Beach, T. G., Ossenkoppele, R. & Hansson, O., 2025 Dec, In: Nature Communications. 16, 1, 7182.

Primary care detection of Alzheimer's disease using a self-administered digital cognitive test and blood biomarkers

Tideman, P., Karlsson, L., Strandberg, O., Calling, S., Smith, R., Midlöv, P., Verghese, P. B., Braunstein, J. B., Mattsson-Carlgren, N., Stomrud, E., Palmqvist, S. & Hansson, O., 2025 Sept 15, (E-pub ahead of print) In: Nature Medicine.

Cognitive sequelae in post-COVID-syndrome: a Danish-Swedish case-control study

Christensen, J. F. M. M., Meyer, R., Holmqvist, M., Carlson, K., Palmqvist, S., Kahn, F., Jürgens, G. & CHRONIC-19-study Group, 2025 Sept 13, (E-pub ahead of print) In: Infectious Diseases. p. 1-14

Association of plasma Alzheimer's disease biomarkers with cognitive decline in cognitively unimpaired individuals

Cogswell, P. M., Wiste, H. J., Therneau, T. M., Griswold, M. E., Mattsson-Carlsson, N., Palmqvist, S., Binette, A. P., Stomrud, E., Bateman, R. J., Barthelemy, N., Braunstein, J. B., West, T., Verghese, P. B., Machulda, M. M., Graff-Radford, J., Algeciras-Schimnich, A., Lowe, V. J., Schwarz, C. G., Senjem, M. L. & Gunter, J. L. & 5 others, Knopman, D. S., Vemuri, P., Petersen, R. C., Hansson, O. & Jack, C. R., 2025 Sept, In: *Alzheimer's and Dementia*. 21, 9, e70625.

Hemispheric asymmetry of tau pathology is related to asymmetric amyloid deposition in Alzheimer's Disease

Anijärvi, T. E., Ossenkoppele, R., Smith, R., Pichet Binette, A., Collij, L. E., Behjat, H. H., Rittmo, J., Karlsson, L., Ahmadi, K., Strandberg, O., van Westen, D., Vogel, J. W., Stomrud, E., Palmqvist, S., Mattsson-Carlsson, N., Spotorno, N., Hansson, O. & Alzheimer's Disease Neuroimaging Initiative (ADNI), 2025 Sept, In: *Nature Communications*. 16, 1, 8232.

Plasma p-tau217 and tau-PET predict future cognitive decline among cognitively unimpaired individuals: implications for clinical trials

Ossenkoppele, R., Salvadó, G., Janelidze, S., Pichet Binette, A., Bali, D., Karlsson, L., Palmqvist, S., Mattsson-Carlsson, N., Stomrud, E., Therriault, J., Rahmouni, N., Rosa-Neto, P., Coomans, E. M., van de Giessen, E., van der Flier, W. M., Teunissen, C. E., Jonaitis, E. M., Johnson, S. C., Villeneuve, S. & Benzinger, T. L. S. & 12 others, Schindler, S. E., Bateman, R. J., Doecke, J. D., Doré, V., Feizpour, A., Masters, C. L., Rowe, C., Wiste, H. J., Petersen, R. C., Jack, C. R., Hansson, O. & PREVENT-AD research group, 2025 May, In: *Nature Aging*. 5, 5, p. 883-896 14 p., 2311.

Cutting through the noise: A narrative review of Alzheimer's disease plasma biomarkers for routine clinical use

Schöll, M., Vrillon, A., Ikeuchi, T., Quevenco, F. C., Iaccarino, L., Vasileva-Metodieva, S. Z., Burnham, S. C., Hendrix, J., Epelbaum, S., Zetterberg, H. & Palmqvist, S., 2025 Apr, In: *The journal of prevention of Alzheimer's disease*. 12, 4, p. 100056 1 p.

Plasma p-tau217 in Alzheimer's disease: Lumipulse and ALZpath SIMOA head-to-head comparison

Pilotto, A., Quaresima, V., Trasciatti, C., Tolassi, C., Bertoli, D., Mordenti, C., Galli, A., Rizzardi, A., Caratozzolo, S., Zancanaro, A., Contador, J., Hansson, O., Palmqvist, S., De Santis, G., Zetterberg, H., Blennow, K., Brugnoli, D., Suárez-Calvet, M., Ashton, N. J. & Padovani, A., 2025 Feb 1, In: *Brain*. 148, 2, p. 408-415 8 p.

Machine learning prediction of tau-PET in Alzheimer's disease using plasma, MRI, and clinical data

Karlsson, L., Vogel, J., Arvidsson, I., Åström, K., Strandberg, O., Seidlitz, J., Bethlehem, R. A. I., Stomrud, E., Ossenkoppele, R., Ashton, N. J., Zetterberg, H., Blennow, K., Palmqvist, S., Smith, R., Janelidze, S., La Joie, R., Rabinovici, G. D., Binette, A. P., Mattsson-Carlsson, N. & Hansson, O., 2025 Feb, In: *Alzheimer's and Dementia*. 21, 2, e14600.

Point of view: Challenges in implementation of new immunotherapies for Alzheimer's disease

Aye, S., Johansson, G., Hock, C., Lannfelt, L., Sims, J. R., Blennow, K., Frederiksen, K. S., Graff, C., Molinuevo, J. L., Scheltens, P., Palmqvist, S., Schöll, M., Wimo, A., Kivipelto, M., Handels, R., Frölich, L., Zilka, N., Tolar, M., Johannsen, P. & Jönsson, L. & 1 others, Winblad, B., 2025 Jan 1, In: *The journal of prevention of Alzheimer's disease*. 12, 1, p. 100022 1 p.

APOE4 impact on soluble and insoluble tau pathology is mostly influenced by amyloid-beta

Cicognola, C., Salvadó, G., Smith, R., Palmqvist, S., Stomrud, E., Betthausen, T., Johnson, S., Janelidze, S., Mattsson-Carlsson, N., Hansson, O. & Pichet Binette, A., 2025, In: *Brain : a journal of neurology*. 148, 7, p. 2373-2383

Associations between the EAT-Lancet planetary health diet and incident dementia

Samuelsson, J., Glans, I., Stubbendorff, A., Ericson, U., Palmqvist, S., Hansson, O. & Sonestedt, E., 2025, In: *Journal of Prevention of Alzheimer's Disease*. 12, 6, 100166.

Blood Biomarkers to Detect Alzheimer Disease-Reply

Palmqvist, S. & Hansson, O., 2025, In: *JAMA*. 333, 7, p. 634-635 2 p.

Multiscale Quantification of Hemispheric Asymmetry in Cortical Maps Using Geometric Eigenmodes

Milloz, A., Vogel, J., Olsen, A., Pang, J. C., Strandberg, O., Anijärvi, T. E., Stomrud, E., Palmqvist, S., Spotorno, N., Ossenkoppele, R., Van De Ville, D., Hansson, O. & Behjat, H., 2025, *ISBI 2025 - 2025 IEEE 22nd International Symposium on Biomedical Imaging, Proceedings*. IEEE Computer Society, (Proceedings - International Symposium on

Biomedical Imaging).

Plasma MTBR-tau243 biomarker identifies tau tangle pathology in Alzheimer's disease

Horie, K., Salvadó, G., Koppiseti, R. K., Janelidze, S., Barthélemy, N. R., He, Y., Sato, C., Gordon, B. A., Jiang, H., Benzinger, T. L. S., Stomrud, E., Holtzman, D. M., Mattsson-Carlgrén, N., Morris, J. C., Palmqvist, S., Ossenkoppele, R., Schindler, S. E., Hansson, O. & Bateman, R. J., 2025, In: Nature Medicine. 31, 6, p. 2044-2053

A blood-based biomarker workflow for optimal tau-PET referral in memory clinic settings

Brum, W. S., Cullen, N. C., Therriault, J., Janelidze, S., Rahmouni, N., Stevenson, J., Servaes, S., Benedet, A. L., Zimmer, E. R., Stomrud, E., Palmqvist, S., Zetterberg, H., Frisoni, G. B., Ashton, N. J., Blennow, K., Mattsson-Carlgrén, N., Rosa-Neto, P. & Hansson, O., 2024 Dec, In: Nature Communications. 15, 1, 2311.

Biological mechanisms of resilience to tau pathology in Alzheimer's disease

Svenningsson, A. L., Bocancea, D. I., Stomrud, E., van Loenhoud, A., Barkhof, F., Mattsson-Carlgrén, N., Palmqvist, S., Hansson, O. & Ossenkoppele, R., 2024 Dec, In: Alzheimer's Research and Therapy. 16, 1, 221.

Cerebrospinal fluid reference proteins increase accuracy and interpretability of biomarkers for brain diseases

Karlsson, L., Vogel, J., Arvidsson, I., Åström, K., Janelidze, S., Blennow, K., Palmqvist, S., Stomrud, E., Mattsson-Carlgrén, N. & Hansson, O., 2024 Dec, In: Nature Communications. 15, 1, 3676.

Comparing a pre-defined versus deep learning approach for extracting brain atrophy patterns to predict cognitive decline due to Alzheimer's disease in patients with mild cognitive symptoms

Arvidsson, I., Strandberg, O., Palmqvist, S., Stomrud, E., Cullen, N., Janelidze, S., Tideman, P., Heyden, A., Åström, K., Hansson, O. & Mattsson-Carlgrén, N., 2024 Dec, In: Alzheimer's Research and Therapy. 16, 1, 61.

Lewy body pathology exacerbates brain hypometabolism and cognitive decline in Alzheimer's disease

Collij, L. E., Mastenbroek, S. E., Mattsson-Carlgrén, N., Strandberg, O., Smith, R., Janelidze, S., Palmqvist, S., Ossenkoppele, R. & Hansson, O., 2024 Dec, In: Nature Communications. 15, 1, 8061.

Associations between misfolded alpha-synuclein aggregates and Alzheimer's disease pathology in vivo

Pichet Binette, A., Mammana, A., Wisse, L., Rossi, M., Strandberg, O., Smith, R., Mattsson-Carlgrén, N., Janelidze, S., Palmqvist, S., Ticca, A., Stomrud, E., Parchi, P., Hansson, O. & Alzheimer's Disease Neuroimaging Initiative (ADNI), 2024 Nov, In: Alzheimer's and Dementia. 20, 11, p. 7624-7634 11 p.

Diagnosis of Alzheimer's disease using plasma biomarkers adjusted to clinical probability

Therriault, J., Janelidze, S., Benedet, A. L., Ashton, N. J., Arranz Martínez, J., Gonzalez-Escalante, A., Bellaver, B., Alcolea, D., Vrillon, A., Karim, H., Mielke, M. M., Hyung Hong, C., Roh, H. W., Contador, J., Puig Pijoan, A., Algeciras-Schimnich, A., Vemuri, P., Graff-Radford, J., Lowe, V. J. & Karikari, T. K. & 36 others, Jonaitis, E., Brum, W., Tissot, C., Servaes, S., Rahmouni, N., Macedo, A. C., Stevenson, J., Fernandez-Arias, J., Wang, Y.-T., Woo, M. S., Friese, M. A., Jia, W. L., Dumurgier, J., Hourregue, C., Cognat, E., Ferreira, P. L., Vitali, P., Johnson, S., Pascoal, T. A., Gauthier, S., Lleó, A., Paquet, C., Petersen, R. C., Salmon, D., Mattsson-Carlgrén, N., Palmqvist, S., Stomrud, E., Galasko, D., Son, S. J., Zetterberg, H., Fortea, J., Suárez-Calvet, M., Jack, C. R., Blennow, K., Hansson, O. & Rosa-Neto, P., 2024 Nov, In: Nature Aging. 4, 11, p. 1529-1537

Challenges in the practical implementation of blood biomarkers for Alzheimer's disease

Schöll, M., Verberk, I. M. W., del Campo, M., Delaby, C., Therriault, J., Chong, J. R., Palmqvist, S. & Alcolea, D., 2024 Oct, In: The Lancet Healthy Longevity. 5, 10, 100630.

Proteomic changes in Alzheimer's disease associated with progressive A β plaque and tau tangle pathologies

Pichet Binette, A., Gaiteri, C., Wennström, M., Kumar, A., Hristovska, I., Spotorno, N., Salvadó, G., Strandberg, O., Mathys, H., Tsai, L. H., Palmqvist, S., Mattsson-Carlgrén, N., Janelidze, S., Stomrud, E., Vogel, J. W. & Hansson, O., 2024 Oct, In: Nature Neuroscience. 27, 10, p. 1880-1891 12 p.

Medial temporal lobe atrophy patterns in early-versus late-onset amnesic Alzheimer's disease

Wuestefeld, A., Pichet Binette, A., van Westen, D., Strandberg, O., Stomrud, E., Mattsson-Carlgrén, N., Janelidze, S., Smith, R., Palmqvist, S., Baumeister, H., Berron, D., Yushkevich, P. A., Hansson, O., Spotorno, N. & Wisse, L. E. M., 2024 Sept 16, In: Alzheimer's Research & Therapy. 16, 1, 12 p., 204.

Tau Positron Emission Tomography for Predicting Dementia in Individuals With Mild Cognitive Impairment

Groot, C., Smith, R., Collij, L. E., Mastenbroek, S. E., Stomrud, E., Binette, A. P., Leuzy, A., Palmqvist, S., Mattsson-Carlgrén, N., Strandberg, O., Cho, H., Lyoo, C. H., Frisoni, G. B., Peretti, D. E., Garibotto, V., La Joie, R., Soleimani-Meigooni, D. N., Rabinovici, G., Ossenkoppele, R. & Hansson, O., 2024 Aug 12, In: *JAMA Neurology*. 81, 8, p. 845-856 12 p.

A generalizable data-driven model of atrophy heterogeneity and progression in memory clinic settings

Baumeister, H., Vogel, J. W., Insel, P. S., Kleineidam, L., Wolfsgruber, S., Stark, M., Gellersen, H. M., Yakupov, R., Schmid, M. C., Lüsebrink, F., Brosseron, F., Ziegler, G., Freiesleben, S. D., Preis, L., Schneider, L.-S., Spruth, E. J., Altenstein, S., Lohse, A., Fließbach, K. & Vogt, I. R. & 38 others, Bartels, C., Schott, B. H., Rostamzadeh, A., Glanz, W., Incesoy, E. I., Butryn, M., Janowitz, D., Rauchmann, B.-S., Kilimann, I., Goerss, D., Munk, M. H., Hetzer, S., Dechent, P., Ewers, M., Scheffler, K., Wuestefeld, A., Strandberg, O., van Westen, D., Mattsson-Carlgrén, N., Janelidze, S., Stomrud, E., Palmqvist, S., Spottke, A., Laske, C., Teipel, S., Perneczky, R., Buerger, K., Schneider, A., Priller, J., Peters, O., Ramirez, A., Wiltfang, J., Heneka, M. T., Wagner, M., Düzel, E., Jessen, F., Hansson, O. & Berron, D., 2024 Jul, In: *Brain : a journal of neurology*. 147, 7, p. 2400-2413 14 p.

Cerebrospinal fluid biomarker panel for synaptic dysfunction in a broad spectrum of neurodegenerative diseases

Nilsson, J., Pichet Binette, A., Palmqvist, S., Brum, W. S., Janelidze, S., Ashton, N. J., Spotorno, N., Stomrud, E., Gobom, J., Zetterberg, H., Brinkmalm, A., Blennow, K. & Hansson, O., 2024 Jul, In: *Brain*. 147, 7, p. 2414-2427 14 p.

Remote and unsupervised digital memory assessments can reliably detect cognitive impairment in Alzheimer's disease

Berron, D., Olsson, E., Andersson, F., Janelidze, S., Tideman, P., Düzel, E., Palmqvist, S., Stomrud, E. & Hansson, O., 2024 Jul, In: *Alzheimer's and Dementia*. 20, 7, p. 4775-4791 17 p.

Medial temporal lobe atrophy patterns in early- versus late-onset amnesic Alzheimer's disease

Wuestefeld, A., Binette, A. P., van Westen, D., Strandberg, O., Stomrud, E., Mattsson-Carlgrén, N., Janelidze, S., Smith, R., Palmqvist, S., Baumeister, H., Berron, D., Yushkevich, P. A., Hansson, O., Spotorno, N. & Wisse, L. E., 2024 May 21, 32 p. (bioRxiv : the preprint server for biology).

Interactions between vascular burden and amyloid- β pathology on trajectories of tau accumulation

Coomans, E. M., van Westen, D., Binette, A. P., Strandberg, O., Spotorno, N., Serrano, G. E., Beach, T. G., Palmqvist, S., Stomrud, E., Ossenkoppele, R. & Hansson, O., 2024 Mar 1, In: *Brain*. 147, 3, p. 949-960 12 p.

Associations of modifiable and non-modifiable risk factors with cognitive functions – a prospective, population-based, 17 years follow-up study of 3,229 individuals

Glanz, I., Nägga, K., Gustavsson, A. M., Stomrud, E., Nilsson, P. M., Melander, O., Hansson, O. & Palmqvist, S., 2024, In: *Alzheimer's Research and Therapy*. 16, 1, 135.

Blood Biomarkers to Detect Alzheimer Disease in Primary Care and Secondary Care

Palmqvist, S., Tideman, P., Mattsson-Carlgrén, N., Schindler, S. E., Smith, R., Ossenkoppele, R., Calling, S., West, T., Monane, M., Verghese, P. B., Braunstein, J. B., Blennow, K., Janelidze, S., Stomrud, E., Salvadó, G. & Hansson, O., 2024, In: *JAMA*. 332, 15, 13 p., 1245.

Comparison of immunoassay- with mass spectrometry-derived p-tau quantification for the detection of Alzheimer's disease pathology

Therriault, J., Woo, M. S., Salvadó, G., Gobom, J., Karikari, T. K., Janelidze, S., Servaes, S., Rahmouni, N., Tissot, C., Ashton, N. J., Benedet, A. L., Montoliu-Gaya, L., Macedo, A. C., Lussier, F. Z., Stevenson, J., Vitali, P., Friese, M. A., Massarweh, G., Soucy, J. P. & Pascoal, T. A. & 8 others, Stomrud, E., Palmqvist, S., Mattsson-Carlgrén, N., Gauthier, S., Zetterberg, H., Hansson, O., Blennow, K. & Rosa-Neto, P., 2024, In: *Molecular Neurodegeneration*. 19, 1, 2.

Disease staging of Alzheimer's disease using a CSF-based biomarker model

Salvadó, G., Horie, K., Barthélemy, N. R., Vogel, J. W., Pichet Binette, A., Chen, C. D., Aschenbrenner, A. J., Gordon, B. A., Benzinger, T. L. S., Holtzman, D. M., Morris, J. C., Palmqvist, S., Stomrud, E., Janelidze, S., Ossenkoppele, R., Schindler, S. E., Bateman, R. J. & Hansson, O., 2024, In: *Nature Aging*. 4, 5, p. 694-708 15 p.

Estimates of Current Capacity for Diagnosing Alzheimer's Disease in Sweden and the Need to Expand Specialist Numbers

Mattke, S., Gustavsson, A., Jacobs, L., Kern, S., Palmqvist, S., Eriksdotter, M., Skoog, I., Winblad, B., Wimo, A. & Jönsson, L., 2024, In: Journal of Prevention of Alzheimer's Disease. 11, 1, p. 155-161

Highly Accurate Blood Test for Alzheimer's Disease Comparable or Superior to Clinical CSF Tests

Barthélemy, N. R., Salvadó, G., Schindler, S., He, Y., Janelidze, S., Collij, L. E., Saef, B., Henson, R. L., Chen, C. D., Gordon, B. A., Li, Y., La Joie, R., Benzinger, T. L. S., Morris, J. C., Mattsson-Carlgrén, N., Palmqvist, S., Ossenkoppele, R., Rabinovici, G. D., Stomrud, E. & Bateman, R. J. & 1 others, Hansson, O., 2024, In: Nature Medicine. 30, 4, p. 1085-1095 42 p.

Individualized, cross-validated prediction of future dementia using cognitive assessments in people with mild cognitive symptoms

Borland, E., Mattson-Carlgrén, N., Tideman, P., Stomrud, E., Hansson, O., Palmqvist, S. & Alzheimer's Disease Neuroimaging Initiative (ADNI), 2024, In: Alzheimer's and Dementia.

MRI Signature of α -Synuclein Pathology in Asymptomatic Stages and a Memory Clinic Population

Wisse, L. E. M., Spotorno, N., Rossi, M., Grothe, M. J., Mammana, A., Tideman, P., Baiardi, S., Strandberg, O., Ticca, A., Van Westen, D., Mattsson-Carlgrén, N., Palmqvist, S., Stomrud, E., Parchi, P. & Hansson, O., 2024, In: JAMA Neurology. 81, 10, 1051.

Plasma Biomarker Strategy for Selecting Patients with Alzheimer Disease for Anti-amyloid Immunotherapies

Mattsson-Carlgrén, N., Collij, L. E., Stomrud, E., Pichet Binette, A., Ossenkoppele, R., Smith, R., Karlsson, L., Lantero-Rodriguez, J., Snellman, A., Strandberg, O., Palmqvist, S., Ashton, N. J., Blennow, K., Janelidze, S. & Hansson, O., 2024, In: JAMA Neurology. 81, 1, p. 69-78 10 p.

Plasma N-terminal containing tau fragments (NTA-tau): a biomarker of tau deposition in Alzheimer's Disease

Lantero-Rodriguez, J., Salvadó, G., Snellman, A., Montoliu-Gaya, L., Brum, W. S., Benedet, A. L., Mattsson-Carlgrén, N., Tideman, P., Janelidze, S., Palmqvist, S., Stomrud, E., Ashton, N. J., Zetterberg, H., Blennow, K. & Hansson, O., 2024, In: Molecular Neurodegeneration. 19, 1, 19.

Plasma Phosphorylated Tau 217 and A β 42/40 to Predict Early Brain A β Accumulation in People Without Cognitive Impairment

Janelidze, S., Barthélemy, N. R., Salvadó, G., Schindler, S. E., Palmqvist, S., Mattsson-Carlgrén, N., Braunstein, J. B., Ovod, V., Bollinger, J. G., He, Y., Li, Y., Raji, C. A., Morris, J. C., Holtzman, D. M., Ashton, N. J., Blennow, K., Stomrud, E., Bateman, R. J. & Hansson, O., 2024, In: JAMA Neurology. 81, 9, p. 947-957 11 p.

Predicting progression from subjective cognitive decline to mild cognitive impairment or dementia based on brain atrophy patterns

Lerch, O., Ferreira, D., Stomrud, E., van Westen, D., Tideman, P., Palmqvist, S., Mattsson-Carlgrén, N., Hort, J., Hansson, O. & Westman, E., 2024, In: Alzheimer's Research and Therapy. 16, 1, 153.

Effects of Brain Pathologies on Spatiotemporal Gait Parameters in Patients with Mild Cognitive Impairment

Lindh-Rengifo, M., Jonasson, S. B., Ullén, S., Palmqvist, S., Van Westen, D., Stomrud, E., Mattsson-Carlgrén, N., Nilsson, M. H. & Hansson, O., 2023 Oct, In: Journal of Alzheimer's Disease. 96, 1, p. 161-171 11 p.

Age-related and amyloid-beta-independent tau deposition and its downstream effects

Wuestefeld, A., Pichet Binette, A., Berron, D., Spotorno, N., van Westen, D., Stomrud, E., Mattsson-Carlgrén, N., Strandberg, O., Smith, R., Palmqvist, S., Glenn, T., Moes, S., Honer, M., Arfanakis, K., Barnes, L. L., Bennett, D. A., Schneider, J. A., Wisse, L. E. M. & Hansson, O., 2023 Aug 1, In: Brain : a journal of neurology. 146, 8, p. 3192-3205 14 p.

CSF MTBR-tau₂₄₃ is a specific biomarker of tau tangle pathology in Alzheimer's disease

Horie, K., Salvadó, G., Barthélemy, N. R., Janelidze, S., Li, Y., He, Y., Saef, B., Chen, C. D., Jiang, H., Strandberg, O., Pichet Binette, A., Palmqvist, S., Sato, C., Sachdev, P., Koyama, A., Gordon, B. A., Benzinger, T. L. S., Holtzman, D. M., Morris, J. C. & Mattsson-Carlgrén, N. & 5 others, Stomrud, E., Ossenkoppele, R., Schindler, S. E., Hansson, O. & Bateman, R. J., 2023 Aug, In: Nature Medicine. 29, 8, p. 1954-1963 10 p.

Associations of CSF PDGFR β With Aging, Blood-Brain Barrier Damage, Neuroinflammation, and Alzheimer Disease Pathologic Changes

Cicognola, C., Mattsson-Carlgrén, N., van Westen, D., Zetterberg, H., Blennow, K., Palmqvist, S., Ahmadi, K., Strandberg, O., Stomrud, E., Janelidze, S. & Hansson, O., 2023 May 3, In: *Neurology*. 101, 1, p. E30-E39

Prediction of Longitudinal Cognitive Decline in Preclinical Alzheimer Disease Using Plasma Biomarkers

Mattsson-Carlgrén, N., Salvadó, G., Ashton, N. J., Tideman, P., Stomrud, E., Zetterberg, H., Ossenkoppele, R., Betthausen, T. J., Cody, K. A., Jonaitis, E. M., Langhough, R., Palmqvist, S., Blennow, K., Janelidze, S., Johnson, S. C. & Hansson, O., 2023 Apr 10, In: *JAMA Neurology*. 80, 4, p. 360-369 10 p.

Associations Between CSF Markers of Inflammation, White Matter Lesions, and Cognitive Decline in Individuals Without Dementia

Gertje, E. C., Janelidze, S., van Westen, D., Cullen, N., Stomrud, E., Palmqvist, S., Hansson, O. & Mattsson-Carlgrén, N., 2023 Apr, In: *Neurology*. 100, 17, p. E1812-E1824

Phospho-tau with subthreshold tau-PET predicts increased tau accumulation rates in amyloid-positive individuals

Groot, C., Smith, R., Stomrud, E., Binette, A. P., Leuzy, A., Wuestefeld, A., Wisse, L. E. M., Palmqvist, S., Mattsson-Carlgrén, N., Janelidze, S., Strandberg, O., Ossenkoppele, R. & Hansson, O., 2023 Apr, In: *Brain : a journal of neurology*. 146, 4, p. 1580–1591 12 p.

Association Between Dietary Habits in Midlife With Dementia Incidence Over a 20-Year Period

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An accurate fully automated panel of plasma biomarkers for Alzheimer's disease

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Prizes and Distinctions

Bundy Academy Award - Major Prize 2022

Palmqvist, S. (Recipient), 2022

Her Majesty Queen Silvia's Young Alzheimer's Researcher Award

Palmqvist, S. (Recipient), 2019 May 15

Inga Sandeborgs prize

Palmqvist, S. (Recipient), 2022 Aug 30

The Bundy Academy Award in Neurology

Palmqvist, S. (Recipient), 2014

The Junior Faculty Award of the International Conference on Alzheimer's and Parkinson's Diseases (AD/PD)

Palmqvist, S. (Recipient), 2015

Awards

Alzheimer's disease Detection study (ADetect) - a multicenter study for improved diagnostic accuracy of early Alzheimer's disease and cognitive impairment in primary care

Palmqvist, S. (PI)

Familjen Rönströms stiftelse: SEK1,000,000.00

2025/01/01 → 2026/12/31

Projects

Alzheimer's disease detection study (ADetect) - A multicenter study for improved diagnostic accuracy of early Alzheimer's disease and cognitive impairment in primary care

Palmqvist, S. (PI)

Familjen Rönströms stiftelse, Hjärnfonden, Alzheimerfonden

2018/12/01 → 2025/12/31

Alzheimer's disease detection study (ADetect) - A multicenter study for improved diagnostic accuracy of early Alzheimer's disease and cognitive impairment in primary care

Palmqvist, S. (PI)

Hjärnfonden

2024/07/01 → 2026/12/31

Associations between brain pathologies, regional atrophy, and cognition in Alzheimer's disease and other neurodegenerative disorders

Svenningsson, A. (Research student), Hansson, O. (Supervisor), Palmqvist, S. (Assistant supervisor), Stomrud, E. (Assistant supervisor) & Ossenkoppele, R. (Assistant supervisor)

2018/08/01 → ...

Blood biomarkers to improve diagnostics of Alzheimer's disease and understanding of pathological and genetic pathways contributing to disease development

Orduña Dolado, A. (Research student), Hansson, O. (Supervisor), Janelidze, S. (Assistant supervisor), Palmqvist, S. (Assistant supervisor) & Mattsson-Carlgen, N. (Researcher)

2022/09/01 → 2026/09/01

EDAP: Early diagnostics and prognostics of Alzheimer's disease

Hansson, O. (Project coordinator), Nilsson, M. H. (Project coordinator), Johansson, M. (Researcher), Cutas, D. (Researcher), Gerdtham, U. (Researcher), Heyden, A. (Researcher), Snogerup-Linse, S. (Researcher), Mattsson-Carlgen, N. (Researcher), Palmqvist, S. (Researcher), Åström, K. (Researcher), van Westen, D. (Researcher) & Stomrud, E. (Researcher)

2021/09/01 → ...

EDAP: Early diagnostics and prognostics of Alzheimer's disease

Fawad, A. (Researcher), Palmqvist, S. (Researcher), Hansson, O. (Researcher) & Calling, S. (Researcher)

2023/01/02 → ...

Predictors of future cognitive decline and neurocognitive disorders: longitudinal study of diet, demographics, plasma biomarkers and genetic risk factors in the Malmö Diet and Cancer Study

Glans, I. (Researcher), Palmqvist, S. (Supervisor) & Hansson, O. (Assistant supervisor)

2020/12/01 → 2025/11/25

Recognition and referral of cognitive impairment in primary care-associated factors and consequences for early diagnosis and health economics

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The Swedish BioFINDER study

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