

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

Senior lecturer, Associate professor

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

S-223 62 Lund, Sweden

2007 Jan 1 → 2020 Mar 1

Research outputs

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. & ADNI, 2024 Nov, In: *Alzheimer's and Dementia*. 20, 11, p. 7624-7634 11 p.

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., Kleinedam, 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.

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

Glans, 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.

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, 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

Glans, I., Sonestedt, E., Nägga, K., Gustavsson, A.-M., González-Padilla, E., Borné, Y., Stomrud, E., Melander, O., Nilsson, P., Palmqvist, S. & Hansson, O., 2023 Jan 3, In: *Neurology*. 100, 1, p. e28-e37

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

Palmqvist, S., Stomrud, E., Cullen, N., Janelidze, S., Manuilova, E., Jethwa, A., Bittner, T., Eichenlaub, U., Suridjan, I., Kollmorgen, G., Riepe, M., von Arnim, C. A. F., Tumaní, H., Hager, K., Heidenreich, F., Mattsson-Carlgrén, N., Zetterberg, H., Blennow, K. & Hansson, O., 2023, In: *Alzheimer's and Dementia*. 19, 4, p. 1204-1215

A two-step workflow based on plasma p-tau217 to screen for amyloid β positivity with further confirmatory testing only in uncertain cases

Brum, W. S., Cullen, N. C., Janelidze, S., Ashton, N. J., Zimmer, E. R., Therriault, J., Benedet, A. L., Rahmouni, N., Tissot, C., Stevenson, J., Servaes, S., Triana-Baltzer, G., Kolb, H. C., Palmqvist, S., Stomrud, E., Rosa-Neto, P., Blennow, K. & Hansson, O., 2023, In: *Nature Aging*. 3, 9, p. 1079-1090 12 p.

Clinical effects of Lewy body pathology in cognitively impaired individuals

Quadalti, C., Palmqvist, S., Hall, S., Rossi, M., Mammana, A., Janelidze, S., Dellavalle, S., Mattsson-Carlgrén, N., Baiardi, S., Stomrud, E., Hansson, O. & Parchi, P., 2023, In: Nature Medicine. 29, 8, p. 1964-1970

Cognitive effects of Lewy body pathology in clinically unimpaired individuals

Palmqvist, S., Rossi, M., Hall, S., Quadalti, C., Mattsson-Carlgrén, N., Dellavalle, S., Tideman, P., Pereira, J. B., Nilsson, M. H., Mammana, A., Janelidze, S., Baiardi, S., Stomrud, E., Parchi, P. & Hansson, O., 2023, In: Nature Medicine. 29, 8, p. 1971-1978

Comparison of Group-Level and Individualized Brain Regions for Measuring Change in Longitudinal Tau Positron Emission Tomography in Alzheimer Disease

Leuzy, A., Binette, A. P., Vogel, J. W., Klein, G., Borroni, E., Tonietto, M., Strandberg, O., Mattsson-Carlgrén, N., Palmqvist, S., Pontecorvo, M. J., Iaccarino, L., Stomrud, E., Ossenkoppele, R., Smith, R. & Hansson, O., 2023, In: JAMA Neurology. 80, 6, p. 614-623 10 p.

CSF ferritin in the clinicopathological progression of Alzheimer's disease and associations with APOE and inflammation biomarkers

Ayton, S., Janelidze, S., Kalinowski, P., Palmqvist, S., Belaidi, A. A., Stomrud, E., Roberts, A., Roberts, B., Hansson, O. & Bush, A. I., 2023, In: Journal of Neurology, Neurosurgery and Psychiatry. 94, 3, p. 211-219

Discriminative accuracy of the A/T/N scheme to identify cognitive impairment due to Alzheimer's disease

Pascoal, T. A., Leuzy, A., Therriault, J., Chamoun, M., Lussier, F., Tissot, C., Strandberg, O., Palmqvist, S., Stomrud, E., Ferreira, P. C. L., Ferrari-Souza, J. P., Smith, R., Benedet, A. L., Gauthier, S., Hansson, O. & Rosa-Neto, P., 2023, In: Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring. 15, 1, e12390.

DOPA decarboxylase is an emerging biomarker for Parkinsonian disorders including preclinical Lewy body disease

Pereira, J. B., Kumar, A., Hall, S., Palmqvist, S., Stomrud, E., Bali, D., Parchi, P., Mattsson-Carlgrén, N., Janelidze, S. & Hansson, O., 2023, In: Nature Aging. 3, 10, p. 1201-1209 9 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., Eriksson, M., Skoog, I., Winblad, B., Wimo, A. & Jönsson, L., 2023, (E-pub ahead of print) In: Journal of Prevention of Alzheimer's Disease.

Gray matter hypoperfusion is a late pathological event in the course of Alzheimer's disease

Ahmadi, K., Pereira, J. B., Berron, D., Vogel, J., Ingala, S., Strandberg, O. T., Janelidze, S., Barkhof, F., Pfeuffer, J., Knutsson, L., van Westen, D., Palmqvist, S., Mutsaerts, H. J. & Hansson, O., 2023, In: Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism. 43, 4, p. 565-580

Higher plasma β -synuclein indicates early synaptic degeneration in Alzheimer's disease

Oeckl, P., Janelidze, S., Halbgebauer, S., Stomrud, E., Palmqvist, S., Otto, M. & Hansson, O., 2023, In: Alzheimer's and Dementia. 19, 11, p. 5095-5102

Optimal combinations of CSF biomarkers for predicting cognitive decline and clinical conversion in cognitively unimpaired participants and mild cognitive impairment patients: A multi-cohort study

Salvadó, G., Larsson, V., Cody, K. A., Cullen, N. C., Jonaitis, E. M., Stomrud, E., Kollmorgen, G., Wild, N., Palmqvist, S., Janelidze, S., Mattsson-Carlgrén, N., Zetterberg, H., Blennow, K., Johnson, S. C., Ossenkoppele, R. & Hansson, O., 2023, In: Alzheimer's and Dementia. 19, 7, p. 2943-2955

Plasma amyloid- β 42/40 and apolipoprotein E for amyloid PET pre-screening in secondary prevention trials of Alzheimer's disease

Cullen, N. C., Janelidze, S., Stomrud, E., Bateman, R. J., Palmqvist, S., Hansson, O. & Mattsson-Carlgrén, N., 2023, In: Brain Communications. 5, 2, fcad015.

Robustness of CSF A β 42/40 and A β 42/P-tau181 measured using fully automated immunoassays to detect AD-related outcomes

Leuzy, A., Mattsson-Carlgrén, N., Cullen, N. C., Stomrud, E., Palmqvist, S., La Joie, R., Iaccarino, L., Zetterberg, H., Rabinovici, G., Blennow, K., Janelidze, S. & Hansson, O., 2023, In: *Alzheimer's and Dementia*. 19, 7, p. 2994-3004

Screening over Speech in Unselected Populations for Clinical Trials in AD (PROSPECT-AD): Study Design and Protocol
König, A., Linz, N., Baykara, E., Tröger, J., Ritchie, C., Saunders, S., Teipel, S., Köhler, S., Sánchez-Benavides, G., Grau-Rivera, O., Gispert, J. D., Palmqvist, S., Tideman, P. & Hansson, O., 2023, In: *Journal of Prevention of Alzheimer's Disease*. 10, p. 314-321 8 p.

Tau-PET is superior to phospho-tau when predicting cognitive decline in symptomatic AD patients
Smith, R., Cullen, N. C., Pichet Binette, A., Leuzy, A., Blennow, K., Zetterberg, H., Klein, G., Borroni, E., Ossenkoppele, R., Janelidze, S., Palmqvist, S., Mattsson-Carlgrén, N., Stomrud, E., Hansson, O. & Alzheimer's Disease Neuroimaging Initiative, 2023, In: *Alzheimer's and Dementia*. 19, 6, p. 2497-2507

Test-retest variability of plasma biomarkers in Alzheimer's disease and its effects on clinical prediction models
Cullen, N. C., Janelidze, S., Mattsson-Carlgrén, N., Palmqvist, S., Bittner, T., Suridjan, I., Jethwa, A., Kollmorgen, G., Brum, W. S., Zetterberg, H., Blennow, K., Stomrud, E. & Hansson, O., 2023, In: *Alzheimer's and Dementia*. 19, 3, p. 797-806

The emerging era of staging Alzheimer's disease pathology using plasma biomarkers
Mattsson-Carlgrén, N. & Palmqvist, S., 2023, In: *Brain*. 146, 5, p. 1740-1742 3 p.

Axonal degeneration and amyloid pathology predict cognitive decline beyond cortical atrophy
Svenningsson, A. L., Stomrud, E., Palmqvist, S., Hansson, O. & Ossenkoppele, R., 2022 Dec 1, In: *Alzheimer's Research and Therapy*. 14, 1, 144.

A biomarker profile of elevated CSF p-tau with normal tau PET is associated with increased tau accumulation rates on PET in early Alzheimer's disease
Groot, C., Smith, R., Stomrud, E., Binette, A. P., Leuzy, A., Wuestefeld, A., Wisse, L. E. M., Palmqvist, S., Janelidze, S., Strandberg, O., Ossenkoppele, R. & Hansson, O., 2022 Dec, In: *Alzheimer's and Dementia*. 18, S1, e065666.

Age-related tau-PET uptake and its downstream effects extend beyond the medial temporal lobe in cognitively normal older adults
Wuestefeld, A., Berron, D., Binette, A. P., van Westen, D., Stomrud, E., Mattsson-Carlgrén, N., Strandberg, O., Smith, R., Palmqvist, S., Glenn, T., Hansson, O. & Wisse, L. E. M., 2022 Dec, In: *Alzheimer's and Dementia*. 18, S1, e067081.

Amyloid-associated increases in soluble tau is a key driver in accumulation of tau aggregates and cognitive decline in early Alzheimer
Binette, A. P., Franzmeier, N., Spotorno, N., Ewers, M., Brendel, M., Biel, D., Strandberg, O., Janelidze, S., Palmqvist, S., Mattsson-Carlgrén, N., Smith, R., Stomrud, E., Ossenkoppele, R. & Hansson, O., 2022 Dec, In: *Alzheimer's and Dementia*. 18, S1, e065080.

Spatial Navigation and Its Association with Biomarkers and Future Dementia in Memory Clinic Patients Without Dementia
Tangen, G. G., Nilsson, M. H., Stomrud, E., Palmqvist, S. & Hansson, O., 2022 Nov 8, In: *Neurology*. 99, 19, p. E2081-E2091

Amyloid-associated increases in soluble tau relate to tau aggregation rates and cognitive decline in early Alzheimer's disease
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Svärd, D., Szczepankiewicz, F., Lätt, J., Nilsson, M., Nägga, K., Palmqvist, S., Hansson, O. & van Westen, D., 2012, *Magnetic Resonance Materials in Physics, Biology and Medicine*. Suppl 1 ed. Springer, Vol. 25. p. 378-379

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Nielsen, H., Palmqvist, S., Minthon, L., Londos, E. & Wennström, M., 2012, In: *Current Alzheimer Research*. 9, 3, p. 257-266

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Validation of brief cognitive tests in mild cognitive impairment, Alzheimer's disease and dementia with Lewy bodies.

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A Quick Test of cognitive speed is sensitive in detecting early treatment response in Alzheimer's disease

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Boström, F., Palmqvist, S., Andersson, M. A. & Londos, E., 2009, In: *Läkartidningen*. 106, 20, p. 1374-1376

Practical suggestions on how to differentiate dementia with Lewy bodies from Alzheimer's disease with common cognitive tests.

Palmqvist, S., Hansson, O., Minthon, L. & Londos, E., 2009, In: *International Journal of Geriatric Psychiatry*. 24, p. 1405-1412

The usefulness of cube copying for evaluating treatment of 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**Förbättrad diagnostik av Alzheimers sjukdom och kognitiv svikt i primärvården**

Palmqvist, S. (PI)

Hjärnfonden: SEK1,200,000.00

2024/07/01 → 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

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), Gertham, 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

Fawad, A. (Researcher), Hansson, O. (Project coordinator) & Palmqvist, S. (Supervisor)

2023/01/02 → ...

The Swedish BioFINDER study

Hansson, O. (PI), Minthon, L. (Researcher), Stomrud, E. (Researcher), Palmqvist, S. (Researcher), Mattsson-Carligen, N. (Researcher), Janelidze, S. (Researcher), Strandberg, O. (Researcher), Smith, R. (Researcher), Toresson, H. (Researcher), Schöll, M. (Researcher), Hall, S. (Research student), Surova, Y. (Research student), Johansson, M. (Research student), Dahlbeck Jalakas, M. (Research student), Andersson, E. (Research student) & Dahl, C. (Research assistant)

Hjärnfonden, European Commission - FP7, Alzheimerfonden, MultiPark, The Royal Physiographic Society in Lund
2010/01/01 → 2027/01/01