

Kvalifikationer

Neurologi, Lektor, Medicinska fakulteten

2023 sep. 1 → ...

Tilldelningsdatum: 2022 sep. 1

Neurovetenskap, Docent, Medicinska fakulteten

Tilldelningsdatum: 2016 okt. 4

Klinisk Neurovetenskap, Med. Dr. , Validation of brief cognitive tests, Medicinska fakulteten

Tilldelningsdatum: 2011 juni 18

2020 → ... Specialist i Neurologi

Medical doctor, MD

Anställning

Docent, Universitetslektor

Klinisk minnesforskning

Lunds universitet

Malmö, Sverige

2007 juni 11 → present

Medlem i Strategiskt forskningsområde

MultiPark: Multidisciplinary research on neurodegenerative diseases

Lunds universitet

Lund, Sverige

2012 jan. 1 → present

Profilområdesmedlem

LU profilområde: Proaktivt åldrande

Lunds universitet

Sverige

2023 jan. 1 → present

Överläkare

Minnesmottagningen, Skånes universitetssjukhus, Malmö

Malmö, Sverige

2020 mars 1 → present

Leg. läkare

Skåne University Hospital

Malmö, Sverige

2007 jan. 1 → 2020 mars 1

Forskningsoutput

Revising the ABIDE MCI to dementia prediction model for automated cerebrospinal fluid assays

van der Veere, P. J., van Harten, A. C., van Maurik, I. S., Teunissen, C. E., Barkhof, F., Vos, S. J. B., Froelich, L., Kornhuber, J., Wiltfang, J., Maier, W., Peters, O., Rütther, E., Frisoni, G. B., Spuru, L., Freund-Levi, Y., Wallin, Å. K., Hampel, H., Tsolaki, M., Kłoszewska, I. & Mecocci, P. och 19 andra, Vellas, B., Lovestone, S., Galluzzi, S., Herukka, S. K., Santana, I., Baldeiras, I., de Mendonca, A., Silva, D., Chetelat, G., Poisnel, G., Visser, P. J., Johnson, S. C., Stormrud, E., Hansson, O., Palmqvist, S., Piñol-Ripoll, G., Barkhof, J., van der Flier, W. M. & Alzheimer's Disease Neuroimaging Initiative, 2026 feb., I: Alzheimer's and Dementia. 22, 2, e71192.

High- and Low-Fat Dairy Consumption and Long-Term Risk of Dementia: Evidence From a 25-Year Prospective Cohort Study

Du, Y., Borné, Y., Samuelsson, J., Glans, I., Hu, X., Nägga, K., Palmqvist, S., Hansson, O. & Sonestedt, E., 2026 jan. 27, I: Neurology. 106, 2, e214343.

Associations of modifiable and non-modifiable risk factors with longitudinal white matter hyperintensities, amyloid- β and tau - a prospective cohort study

Glans, I., Mattsson-Carlgrén, N., Strandberg, O., Stomrud, E., Ossenkoppele, R., van Westen, D., Spotorno, N., Hansson, O. & Palmqvist, S., 2026 jan. 1, (E-pub ahead of print) *I: The journal of prevention of Alzheimer's disease*. 100448.

Medial temporal lobe atrophy is associated with age and pathologies, especially small vessel disease

van Westen, D., Stomrud, E., Lorenzini, L., Palmqvist, S., Barkhof, F., Hansson, O. & Spotorno, N., 2026 jan., *I: Scientific Reports*. 16, 1, 3912.

Longitudinal tau-PET accumulation and downstream effects in amyloid-beta negative cognitively unimpaired individuals

Wuestefeld, A., Spotorno, N., Binette, A. P., Mattsson-Carlgrén, N., Ossenkoppele, R., Palmqvist, S., Smith, R., Stomrud, E., Strandberg, O., van Westen, D., Hansson, O. & Wisse, L. E. M., 2025 dec. 1, *I: Alzheimer's & dementia : the journal of the Alzheimer's Association*. 21, s. e104826

Hemispheric Asymmetry of Amyloid Deposition Influences Asymmetric Tau Pathology in Alzheimer's Disease

Anijärvi, T. E., Smith, R., Collij, L. E., Behjat, H. H., Binette, A. P., Rittimo, J., Karlsson, L., Strandberg, O., van Westen, D., Vogel, J. W., Stomrud, E., Palmqvist, S., Mattsson-Carlgrén, N., Ossenkoppele, R., Spotorno, N. & Hansson, O., 2025 dec., *I: Alzheimer's & dementia : the journal of the Alzheimer's Association*. 21, S8, e110048.

Predicting cognitive decline in amyloid-negative individuals with amnesic mild cognitive impairment

Annettesdotter, A., Spotorno, N., Wuestefeld, A., Mattsson-Carlgrén, N., Strandberg, O., Ossenkoppele, R., Stomrud, E., Palmqvist, S., Wolk, D. A., Hansson, O. & Wisse, L. E. M., 2025 dec., *I: Alzheimer's & dementia : the journal of the Alzheimer's Association*. 21, S8, e110861.

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., *I: Nature Communications*. 16, 1, 7182.

Evaluation of a Sensitive Visual Read Algorithm for Assessing 3R/4R Tau PET Images

Smith, R., Garibotto, V., Hägerström, D., Jögi, J., Ohlsson, T., Strandberg, O., Tonietto, M., Janelidze, S., Palmqvist, S., Stomrud, E., Klein, G. & Hansson, O., 2025 nov. 3, *I: Journal of nuclear medicine : official publication, Society of Nuclear Medicine*. 66, 11, s. 1764-1770 7 s.

Blood-based biomarkers for detecting Alzheimer's disease pathology in cognitively impaired individuals within specialized care settings: A systematic review and meta-analysis

Pahlke, S., Kahale, L. A., Mahinrad, S., Sousa-Pinto, B., Vieira, R. J., McAteer, M. B., Claessen, T., Contador, J., Hofmann, A., Kuchenbecker, L. A., Machado, L. S., Warmenhoven, N., Yakoub, Y., Palmqvist, S., Schindler, S. E., Teunissen, C., Whitson, H. E., Zetterberg, H., Edelmayer, R. & Tampi, M. P., 2025 nov., *I: Alzheimer's and Dementia*. 21, 11, e70828.

Quantitation of PET spatial extent as a potential adjunct to visual interpretation of [18 F]flortaucipir imaging: TAU-SPEX

Coomans, E. M., van Tol, B., Groot, C., Smith, R., Palmqvist, S., Stomrud, E., Pontecorvo, M. J., Shcherbinin, S., Kennedy, I., Kotari, V., van der Flier, W. M., Pijnenburg, Y. A. L., Mattsson-Carlgrén, N., Hansson, O., van de Giessen, E. & Ossenkoppele, R., 2025 nov., *I: European Journal of Nuclear Medicine and Molecular Imaging*. 52, 13, s. 5135-5149 15 s.

Taurine Intake, Plasma Taurine Concentration, and Dementia Risk: Findings From the Malmö Diet and Cancer Study

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Clinical Performance of the Elecsys CSF pTau₁₈₁/A β ₄₂ Ratio for Concordance with Tau-PET in Two Independent Cohorts

Smith, R., Shaw, L., Palmqvist, S., Mattsson-Carlgrén, N., Klein, G., Tonietto, M., Quijano-Rubio, C., Rank, C. M., Andreadou, M., Burnham, S. C., Stomrud, E. & Alzheimer's Disease Neuroimaging Initiative, 2025 okt., *I: Neurology and Therapy*. 14, 5, s. 2011-2031 21 s.

How can Alzheimer's disease blood-based biomarkers reach clinical practice?

Perneczky, R., Quevenno, F. C., Hendrix, J., Epelbaum, S., Teunissen, C., van der Flier, W. M., Suárez-Calvet, M., Shi, J., Mielke, M. M., Iwatsubo, T., Palmqvist, S. & Hansson, O., 2025 okt., I: *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*. 17, 4, e70207.

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 sep. 13, (E-pub ahead of print) I: *Infectious Diseases*. s. 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-Carlgrén, 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-Schimmich, A., Lowe, V. J., Schwarz, C. G., Senjem, M. L. & Gunter, J. L. och 5 andra, Knopman, D. S., Vemuri, P., Petersen, R. C., Hansson, O. & Jack, C. R., 2025 sep., I: *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-Carlgrén, N., Spotorno, N., Hansson, O. & Alzheimer's Disease Neuroimaging Initiative, 2025 sep., I: *Nature Communications*. 16, 1, 8232.

Modernizing diagnosis of Alzheimer's disease: A review of global trends and Asia-specific perspectives

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Plasma phosphorylated tau₂₁₇ strongly associates with memory deficits in the Alzheimer's disease spectrum

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Alzheimer's Association Clinical Practice Guideline on the use of blood-based biomarkers in the diagnostic workup of suspected Alzheimer's disease within specialized care settings

Palmqvist, S., Whitson, H. E., Allen, L. A., Suarez-Calvet, M., Galasko, D., Karikari, T. K., Okrahvi, H. R., Paczynski, M., Schindler, S. E., Teunissen, C. E., Zetterberg, H., Carrillo, M. C., Edelmayer, R. M., Mahinrad, S., McAteer, M. B., Kahale, L. A., Pahlke, S. & Tampi, M. P., 2025 juli, I: *Alzheimer's and Dementia*. 21, 7, e70535.

Longitudinal tau aggregation, atrophy, and cognitive decline in Alzheimer's disease

Singleton, E., Mattsson-Carlgrén, N., Pichet Binette, A., Stomrud, E., Strandberg, O., Palmqvist, S., Ossenkoppele, R. & Hansson, O., 2025 juli, I: *Alzheimer's and Dementia*. 21, 7, e70435.

Alpha-synuclein seed amplification assay longitudinal outcomes in Lewy body disease spectrum

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Influence of ethnicity on the diagnostic accuracy of plasma p-tau₂₁₇ for the identification of Alzheimer's disease: A consecutive mixed memory clinic cohort study

Kjaergaard, D., Nielsen, T. R., Stomrud, E., Palmqvist, S., Bali, D., Dolado, A. O., Janelidze, S., Hansson, O., Waldemar, G. & Simonsen, A. H., 2025 juni, I: *Alzheimer's and Dementia*. 21, 6, e70315.

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-Carlgrén, 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. och 12 andra, 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 maj, I: *Nature Aging*. 5, 5, s. 883-896 14 s., 2311.

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

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

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., Brugnioni, D., Suárez-Calvet, M., Ashton, N. J. & Padovani, A., 2025 feb. 1, I: *Brain*. 148, 2, s. 408-415 8 s.

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., Rabinovici, G. D., Binette, A. P., Mattsson-Carlgrén, N. & Hansson, O., 2025 feb., I: *Alzheimer's and Dementia*. 21, 2, e14600.

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

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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-Carlgrén, N., Hansson, O. & Pichet Binette, A., 2025, I: *Brain : a journal of neurology*. 148, 7, s. 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, I: *Journal of Prevention of Alzheimer's Disease*. 12, 6, 100166.

Blood Biomarkers to Detect Alzheimer Disease-Reply

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

Cell-weighted polygenic risk scores are associated with β -amyloid and tau biomarkers in Alzheimer's disease

Kumar, A., Pichet Binette, A., Bali, D., Janelidze, S., Stomrud, E., Palmqvist, S., Vogel, J. W., Hansson, O. & Mattsson-Carlgrén, N., 2025, I: *Brain Communications*. 7, 5, fcaf353.

Evaluation of the Revised Criteria for Biological and Clinical Staging of Alzheimer Disease

Pichet Binette, A., Smith, R., Salvadó, G., Tideman, P., Glans, I., Van Westen, D., Ossenkoppele, R., Stomrud, E., Mattsson-Carlgrén, N., Janelidze, S., Palmqvist, S., Hansson, O. & Alzheimer's Disease Neuroimaging Initiative, 2025, I: *JAMA Neurology*. 82, 7, s. 666-675 10 s.

Multiscale Quantification of Hemispheric Asymmetry in Cortical Maps Using Geometric Eigenmodes

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

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Plasma tau biomarkers for biological staging of Alzheimer's disease

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Prediction of continuous amyloid positron emission tomography with fluid measures of phosphorylated tau and β -amyloid

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Predictive Value of Plasma Biomarkers in Tau-PET Transitions

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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-Carlgrén, N., Stomrud, E., Palmqvist, S. & Hansson, O., 2025, I: *Nature Medicine*. 31, 12, s. 4131-4139

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., I: *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., I: *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., I: *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., I: *Alzheimer's Research and Therapy*. 16, 1, 61.

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

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

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

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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., I: Nature Aging. 4, 11, s. 1529-1537

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

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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 okt., I: Nature Neuroscience. 27, 10, s. 1880-1891 12 s.

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 sep. 16, I: Alzheimer's Research & Therapy. 16, 1, 12 s., 204.

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

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Priser och utmärkelser

Bundy Academys stora pris 2022

Palmqvist, S. (Mottagare), 2022

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

Palmqvist, S. (Mottagare), 2019 maj 15

Inga Sandeborgs prize

Palmqvist, S. (Mottagare), 2022 aug. 30

The Bundy Academy Award in Neurology

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

Palmqvist, S. (Mottagare), 2015

Forskningsmedel

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)

Rönström Family Foundation: 1 000 000,00 kr

2025/01/01 → 2026/12/31

Projekt

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

Orduña Dolado, A. (Forskarstuderande), Hansson, O. (Handledare), Janelidze, S. (Biträdande handledare), Palmqvist, S. (Biträdande handledare) & Mattsson-Carlgrén, N. (Forskare)

2022/09/01 → 2026/09/01

EDAP: Early diagnostics and prognostics of Alzheimer's disease

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

2021/09/01 → ...

EDAP: Early diagnostics and prognostics of Alzheimer's disease

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

2023/01/02 → ...

Förbättrad diagnostik av Alzheimer och kognitiv svikt i primärvården

Palmqvist, S. (PI)

Rönström Family Foundation, Hjärnfonden, Alzheimerfonden

2018/12/01 → 2025/12/31

Förbättrad diagnostik av Alzheimers sjukdom och kognitiv svikt i primärvården

Palmqvist, S. (PI)

Hjärnfonden

2024/07/01 → 2026/12/31

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

Fawad, A. (Forskare), Hansson, O. (Projektkoordinator) & Palmqvist, S. (Handledare)

2023/01/02 → ...

Relationen mellan hjärnpatologier, regional atrofi och kognitiva symtom vid Alzheimers sjukdom och andra neurodegenerativa sjukdomar

Svenningsson, A. (Forskarstuderande), Hansson, O. (Handledare), Palmqvist, S. (Biträdande handledare), Stomrud, E. (Biträdande handledare) & Ossenkoppele, R. (Biträdande handledare)

2018/08/01 → 2024/09/06

Risk Factors for Cognitive Decline and Neurodegenerative Diseases - The Impact of Diet, Demographics, and Cardiometabolic Health

Glans, I. (Forskare), Palmqvist, S. (Handledare) & Hansson, O. (Biträdande handledare)

2020/12/01 → 2026/02/26

The Swedish BioFINDER study

Hansson, O. (PI), Minthon, L. (Forskare), Stomrud, E. (Forskare), Palmqvist, S. (Forskare), Mattsson-Carlgrén, N. (Forskare), Janelidze, S. (Forskare), Strandberg, O. (Forskare), Smith, R. (Forskare), Toresson, H. (Forskare), Schöll, M. (Forskare), Hall, S. (Forskarstuderande), Surova, Y. (Forskarstuderande), Johansson, M. (Forskarstuderande), Dahlbeck Jalakas, M. (Forskarstuderande), Andersson, E. (Forskarstuderande) & Dahl, C. (Forskningsassistent)

Hjärnfonden, European Commission - FP7, Alzheimerfonden, MultiPark, Kungliga Fysiografiska Sällskapet i Lund
2010/01/01 → 2027/01/01