Stanford



Kathleen Poston, MD, MS

Edward F. and Irene Thiele Pimley Professor of Neurology and the Neurological Sciences and Professor, by courtesy, of Neurosurgery

Adult Neurology

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

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ACADEMIC CONTACT INFORMATION

- **Academic Contact**

  Christine Macaldo - Administrative Associate, Movement Disorders Center

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Bio

BIO

Dr. Kathleen Poston is the Edward F. and Irene Thiele Pimley Professor in Neurology and Neurological Sciences at Stanford University. She received her Bachelor's of Science in Bioengineering at the University of Pennsylvania, her Master's Degree in Biomedical Engineering and her MD at Vanderbilt University. She completed her Neurology residency training at UCSF, completed a fellowship in clinical Movement Disorders at Columbia University and post-doctoral research training in Functional Neuroimaging at the Feinstein Institute.

Dr. Poston’s research and clinical emphasis is to understand the motor and non-motor impairments, such as dementia, that develop in patients with alpha-synuclein pathology, such as Parkinson’s disease, dementia with Lewy Bodies, and Multiple System Atrophy. Her lab uses functional and structural imaging biomarkers, along with biological and genetic biomarkers, to understand the underlying pathophysiology associated these symptoms. Dr. Poston is Chief of the Movement Disorders Division and holds an appointment in the Memory Disorders division. She is a founding member of the Stanford Alzheimer’s Disease Research Center and co-Director for the Lewy Body Dementia Association Research Center of Excellence at Stanford University, and Director of the Stanford Parkinson’s Foundation Center of Excellence.

CLINICAL FOCUS

- Parkinson Disease
- Dementia with Lewy Bodies
- Parkinsonian Disorders
- Multiple System Atrophy
- Palsy, Progressive Supranuclear
- Corticobasal Syndrome
- Clinical Neurophysiology

ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Adult Neurology

- Professor-Univ Med Line (By courtesy), Neurosurgery
- Member, Bio-X
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Vice-Chair for Research, Department of Neurology & Neurological Sciences, (2024- present)
- Chief, Movement Disorders Division, (2021- present)

HONORS AND AWARDS

- J. William Langston Award, Michael J Fox Foundation for Parkinson's Research (2023)
- Lysia Forno Award for Teaching Excellence, Stanford University (2009-2010)

PROFESSIONAL EDUCATION

- Fellowship: Columbia University Medical Center (2008) NY
- Residency: University of California San Francisco (2006) CA
- Internship: University of California San Francisco (2003) CA
- Medical Education: Vanderbilt University School of Medicine (2002) TN
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2007)
- Post-Doc, Feinstein Institute , Functional Neuroimaging (2009)
- BSE, University of Pennsylvania , Bioengineering
- MS, Vanderbilt University , Bioengineering (1998)

LINKS

- Poston Lab: https://med.stanford.edu/poston-lab.html
- ADRC: http://med.stanford.edu/adrc.html
- Get a Second Opinion: https://stanfordhealthcare.org/second-opinion/overview.html

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Poston's research applies multi-modal biomarkers to study cognitive impairment and dementia in patients with Parkinson's disease (PD), dementia with Lewy bodies (DLB), and other parkinsonian disorders. Dementia is a highly prevalent and grievous consequences of neuronal synuclein disease, but it is an essentially untreatable symptom that has multiple, evasive etiologies. Dr. Poston's lab uses biological markers, including plasma and CSF, along with neuroimaging to unravel these etiologies by studying brain regions vulnerable to various co-pathologies that develop in these patients, and then determining the associated changes in clinical progression and symptom evolution. She collaborates with colleagues across campus to integrate genetic and pathological data into these studies as well.

CLINICAL TRIALS

- GBPDC: Gut-Brain in PD Consortium Master Protocol, Recruiting
- Safety, PK and Biodistribution of 18F-OP-801 in Patients With ALS, AD, MS, PD and Healthy Volunteers, Recruiting
- Stanford University Neurofiber Study, Not Specified

Teaching

COURSES

2026-27

- Reproducibility and Data Science in Computational Brain Image Analysis: BIOS 278 (Aut)

2025-26

- Reproducibility and Data Science in Computational Brain Image Analysis: BIOS 278 (Aut)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

MacKenzie Bolen, Dimuthu Henadeerage Don, Sara Lorkiewicz

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Neurosciences (PhD Program)

Publications

PUBLICATIONS

- **Plasma P-Tau217 as a Prognostic, Monitoring, and Risk-Stratification Biomarker of Clinical Progression in Lewy Body Disease.** *Neurology*
  Lorkiewicz, S. A., Abdelnour, C., Bolen, M. L., Smith, A. M., Shahid-Besanti, M., Hemachandra, D., Müller-Oehring, E. M., Siddiqui, N., Montoliu-Gaya, L., Arslan, B., Ashton, N. J., Wilson, E. N., Tian, et al
  2026; 107 (11): e218686

- **Plasma phosphorylated tau 217 detects amyloid-β in neuronal synuclein disease.** *NPJ Parkinson's disease*
  Smith, A. M., Lorkiewicz, S. A., Arslan, B., Montoliu-Gaya, L., Ashton, N. J., Wilson, E. N., Alcolea, D., Rodríguez-Baz, Í., Fortea, J., Young, C. B., Winer, J. R., Shahid-Besanti, M., Vossler, et al
  2026

- **Clinical and Imaging Characteristics of Parkinson's Disease with Negative Alpha-Synuclein Seed Amplification Assay.** *Movement disorders : official journal of the Movement Disorder Society*
  Brooker, S. M., Pasquini, J., Choi, S. H., Lafontant, D. E., Fereshtehnejad, S. M., Zeighami, Y., Grillo, P., Riboldi, G. M., Azizi, H., Moqadam, R., Kang, U. J., Nudelman, K. N., Siderowf, et al
  2026

- **Enrichment of extracellular vesicles using Mag-Net for the analysis of the plasma proteome.** *Nature communications*
  Wu, C. C., Tsantilas, K. A., Park, J., Plubell, D., Sanders, J. A., Naicker, P., Govender, I., Buthelezi, S., Stoychev, S., Jordaan, J., Merrihew, G., Huang, E., Parker, et al
  2025; 16 (1): 5447

- **A cerebrospinal fluid synaptic protein biomarker for prediction of cognitive resilience versus decline in Alzheimer's disease.** *Nature medicine*
  Oh, H. S., Urey, D. Y., Karlsson, L., Zhu, Z., Shen, Y., Farinas, A., Timsina, J., Duggan, M. R., Chen, J., Guldner, I. H., Morshed, N., Yang, C., Western, et al
  2025

- **LRRK2-associated parkinsonism with and without in vivo evidence of alpha-synuclein aggregates: longitudinal clinical and biomarker characterization.** *Brain communications*
  Chahine, L. M., Lafontant, D. E., Choi, S. H., Iwaki, H., Blauwendraat, C., Singleton, A. B., Brumm, M. C., Alcalay, R. N., Merchant, K., Nudelman, K. N., Dagher, A., Vo, A., Tao, et al
  2025; 7 (2): fcaf103

- **Toward a biological definition of neuronal and glial synucleinopathies.** *Nature medicine*
  Soto, C., Mollenhauer, B., Hansson, O., Kang, U. J., Alcalay, R. N., Standaert, D., Trenkwalder, C., Marek, K., Galasko, D., Poston, K.
  2025

- **Neuronal alpha-Synuclein Disease integrated staging system performance in PPMI, PASADENA, and SPARK baseline cohorts.** *NPJ Parkinson's disease*
  Dam, T., Pagano, G., Brumm, M. C., Gochanour, C., Poston, K. L., Weintraub, D., Chahine, L. M., Coffey, C., Tanner, C. M., Kopil, C. M., Xiao, Y., Chowdhury, S., Concha-Marambio, et al
  2024; 10 (1): 178

- **The Parkinson's Disease Composite of Executive Functioning: A Measure for Detecting Cognitive Decline in Clinical Trials.** *Neurology*
  Young, C. B., Cholerton, B., Smith, A. M., Shahid-Besanti, M., Abdelnour, C., Mormino, E. C., Hu, S. C., Chung, K. A., Peterson, A., Rosenthal, L., Pantelyat, A., Dawson, T. M., Quinn, et al
  2024; 103 (2): e209609

- **Concerns with the new biological research criteria for synucleinopathy - Authors' reply.** *The Lancet. Neurology*
  Simuni, T., Chahine, L. M., Weintraub, D., Poston, K. M., Kopil, C. M., Dunn, B., Marek, K.
  2024; 23 (7): 663-666

- **Plasma pTau181 Reveals a Pathological Signature that Predicts Cognitive Outcomes in Lewy Body Disease.** *Annals of neurology*
  Abdelnour, C., Young, C. B., Shahid-Besanti, M., Smith, A., Wilson, E. N., Ramos Benitez, J., Vossler, H., Plastini, M. J., Winer, J. R., Kerchner, G. A., Cholerton, B., Andreasson, K. I., Henderson, et al
  2024

- **Comprehensive proteomics of CSF, plasma, and urine identify DDC and other biomarkers of early Parkinson's disease.** *Acta neuropathologica*
  Rutledge, J., Lehallier, B., Zarifkar, P., Losada, P. M., Shahid-Besanti, M., Western, D., Gorijala, P., Ryman, S., Yutsis, M., Deutsch, G. K., Mormino, E., Trelle, A., Wagner, et al
  2024; 147 (1): 52

- **Multiple biomarkers improve diagnostic accuracy across Lewy body and Alzheimer's disease spectra.** *Annals of clinical and translational neurology*
  Plastini, M. J., Abdelnour, C., Young, C. B., Wilson, E. N., Shahid-Besanti, M., Lamoureux, J., Andreasson, K. I., Kerchner, G. A., Montine, T. J., Henderson, V. W., Poston, K. L.
  2024

- **A biological definition of neuronal α-synuclein disease: towards an integrated staging system for research.** *The Lancet. Neurology*
  Simuni, T., Chahine, L. M., Poston, K., Brumm, M., Buracchio, T., Campbell, M., Chowdhury, S., Coffey, C., Concha-Marambio, L., Dam, T., DiBiaso, P., Foroud, T., Frasier, et al
  2024; 23 (2): 178-190

- **Assessment of heterogeneity among participants in the Parkinson?s Progression Markers Initiative cohort using a-synuclein seed amplification: a cross-sectional study** *LANCET NEUROLOGY*
  Siderowf, A., Concha-Marambio, L., Lafontant, D., Farris, C. M., Ma, Y., Urenia, P. A., Nguyen, H., Alcalay, R. N., Chahine, L. M., Foroud, T., Galasko, D., Kieburtz, K., Merchant, et al
  2023; 22 (5): 407-417

- **Illusory Responses across the Lewy Body Disease Spectrum** *ANNALS OF NEUROLOGY*
  Shahid, M., Rawls, A., Ramirez, V., Ryman, S., Santini, V. E., Yang, L., Sha, S. J., Hall, J. N., Montine, T. J., Lin, A., Tian, L., Henderson, V. W., Cholerton, et al
  2023

- **Parkinson's Progression Markers Initiative brain autopsy program.** *Parkinsonism & related disorders*
  Bukhari, S. A., Nudelman, K. N., Rumbaugh, M., Richeson, P., Fox, E. J., Montine, K. S., Aldecoa, I., Garrido, A., Franz, J., Stadelmann, C., Vonsattel, J. P., Poston, K. L., Foroud, et al
  2022; 101: 62-65

- **Multimodal deep learning for Alzheimer's disease dementia assessment.** *Nature communications*
  Qiu, S., Miller, M. I., Joshi, P. S., Lee, J. C., Xue, C., Ni, Y., Wang, Y., De Anda-Duran, I., Hwang, P. H., Cramer, J. A., Dwyer, B. C., Hao, H., Kaku, et al
  2022; 13 (1): 3404

- **Single-synapse analyses of Alzheimer's disease implicate pathologic tau, DJ1, CD47, and ApoE.** *Science advances*
  Phongpreecha, T., Gajera, C. R., Liu, C. C., Vijayaragavan, K., Chang, A. L., Becker, M., Fallahzadeh, R., Fernandez, R., Postupna, N., Sherfield, E., Tebaykin, D., Latimer, C., Shively, et al

1800; 7 (51): eabk0473

- **CD4+ T cells contribute to neurodegeneration in Lewy body dementia.** *Science (New York, N.Y.)*
  Gate, D., Tapp, E., Leventhal, O., Shahid, M., Nonninger, T. J., Yang, A. C., Strempfl, K., Unger, M. S., Fehlmann, T., Oh, H., Channappa, D., Henderson, V. W., Keller, et al
  2021: eabf7266

- **Cognition at Each Stage of Lewy Body Disease with Co-occurring Alzheimer's Disease Pathology.** *Journal of Alzheimer's disease : JAD*
  Ryman, S. G., Yutsis, M., Tian, L., Henderson, V. W., Montine, T. J., Salmon, D. P., Galasko, D., Poston, K. L.
  2021

- **Single-cell peripheral immunoprofiling of Alzheimer's and Parkinson's diseases.** *Science advances*
  Phongpreecha, T., Fernandez, R., Mrdjen, D., Culos, A., Gajera, C. R., Wawro, A. M., Stanley, N., Gaudilliere, B., Poston, K. L., Aghaeepour, N., Montine, T. J.
  2020; 6 (48)

- **Multivariate prediction of dementia in Parkinson's disease.** *NPJ Parkinson's disease*
  Phongpreecha, T. n., Cholerton, B. n., Mata, I. F., Zabetian, C. P., Poston, K. L., Aghaeepour, N. n., Tian, L. n., Quinn, J. F., Chung, K. A., Hiller, A. L., Hu, S. C., Edwards, K. L., Montine, et al
  2020; 6: 20

- **Soluble TREM2 is elevated in Parkinson's disease subgroups with increased CSF tau.** *Brain : a journal of neurology*
  Wilson, E. N., Swarovski, M. S., Linortner, P. n., Shahid, M. n., Zuckerman, A. J., Wang, Q. n., Channappa, D. n., Minhas, P. S., Mhatre, S. D., Plowey, E. D., Quinn, J. F., Zabetian, C. P., Tian, et al
  2020

- **Clinical and dopamine transporter imaging characteristics of non-manifest LRRK2 and GBA mutation carriers in the Parkinson's Progression Markers Initiative (PPMI): a cross-sectional study.** *The Lancet. Neurology*
  Simuni, T., Uribe, L., Cho, H. R., Caspell-Garcia, C., Coffey, C. S., Siderowf, A., Trojanowski, J. Q., Shaw, L. M., Seibyl, J., Singleton, A., Toga, A. W., Galasko, D., Foroud, et al
  2019

- **An increased rate of longitudinal cognitive decline is observed in Parkinson's disease patients with low CSF ASS42 and an APOE epsilon4 allele.** *Neurobiology of disease*
  Shahid, M., Kim, J., Leaver, K., Hendershott, T., Zhu, D., Cholerton, B., Henderson, V. W., Tian, L., Poston, K. L.
  2019

- **Strategies to establish a biologically defined Parkinson's disease cohort prior to the onset of clinically significant motor symptoms.** *medRxiv : the preprint server for health sciences*
  Brown, E. G., Blumenau, H., Lafontant, D. E., Nair, A. R., Johnson, N., Alcalay, R. N., Chahine, L. M., Coffey, C. S., Dobkin, R. D., Foroud, T., Galasko, D., Merchant, K., Mollenhauer, et al
  2026

- **Intestinal Methanogen Overgrowth in Parkinson's Disease Reflects Constipation Physiology: A Matched Cohort Study.** *Movement disorders clinical practice*
  Sirimongkolkasem, J., Valencia, B., Palushaj, B., Poston, K., Miglis, M. G., Becker, L., Neshatian, L.
  2026

- **Alzheimer's disease blood biomarkers reveal proteomic modules of disease progression.** *medRxiv : the preprint server for health sciences*
  Butler, R. R., Brown, M. P., Weber, A. J., Cary, G. A., Le Guen, Y., Losada, P. M., Mendiola, J. H., Henderson, V. W., Sha, S. J., Poston, K. L., Andreasson, K. I., Wagner, A. D., Mormino, et al
  2026

- **An Introduction to the Special Issue from the Editors.** *Annals of neurology*
  Tyler, K., Hall, D., Poston, K. L., Marek, K., Tropea, T. F.
  2026

- **Cognition endpoints for Parkinson's disease: A roadmap for developing patient-focused assessment tools to accelerate drug development.** *Journal of Parkinson's disease*
  Edgar, C. J., Poston, K. L., Coon, C. D., Bocell, F. D., Dam, T., Xiao, Y., Kopil, C. M., Simuni, T., Weintraub, D., Thomas, M.
  2026: 1877718X261483866

- **Reply to: "What Does α-Syn-SAA-Negative Parkinson's Disease Reveal about the Proposed "Biological Definition" of Parkinson's Disease?".** *Movement disorders : official journal of the Movement Disorder Society*
  Brooker, S. M., Marek, K., Poston, K. L.
  2026
- **Brain protein burden is related to intravoxel incoherent motion: PET-MR imaging study.** *Frontiers in neuroscience*
  Hemachandra, D., Zheng, K., Lorkiewicz, S. A., Winer, J., Vossler, H., Davidzon, G. A., Mormino, E. C., Schulte, T., Poston, K. L., Müller-Oehring, E. M.
  2026; 20: 1841093
- **Plasma proteomics reveals divergent sex-specific senescence and bone biology signatures across neurodegenerative diseases.** *bioRxiv : the preprint server for biology*
  Kaipa, S., Zhai, T., Meka, S. R., Moran-Losada, P., He, Z., Channappa, D., Se-Hwee Oh, H., Rutledge, J., Zeineh, M., Agudelo, A., Nair, R., Wilson, E. N., Bandela, et al
  2026
- **A Two-Stage Questionnaire and Actigraphy Screening for iRBD in a Multicenter Retrospective Cohort.** *Annals of clinical and translational neurology*
  Massimi, C. A., Mejia, G. R., Metzger, A., Ryu, K. H., Marwaha, S., Grzegorczyk, E., Zhou, L., Jacobs, E., Gilyadov, B., Kunney, C., Ncube, L., Parekh, A., Mignot, et al
  2026
- **Outcomes in Long-Term Follow-Up of Sporadic Parkinson's Disease in the Parkinson's Progression Markers Initiative.** *Annals of neurology*
  Gonzalez-Latapi, P., Gochanour, C., Choi, S. H., Cho, H., Caspell-Garcia, C., Coffey, C. S., Lafontant, D. E., Xiao, Y., Tanner, C. M., Venuto, C. S., Kieburtz, K., Chahine, L. M., Poston, et al
  2026
- **Validation of a Two-Stage Questionnaire and Actigraphy Screening for Isolated REM Sleep Behavior Disorder in a Multicenter Case-Control Cohort**
  Massimi, C., Mejia, G., Metzger, A., Ryu, K., Grzegorczyk, E., Gilyadov, B., Jacobs, E., Kunney, C., Parekh, A., Mignot, E., Elahi, F., Winer, J., Poston, et al
  OXFORD UNIV PRESS INC.2026: A351-A352
- **Effects of α-synuclein pathology on synaptic dysfunction and clinical outcomes in normal aging.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  Winer, J. R., Plastini, M. J., Romero, A., Vossler, H., Sai, I., Channappa, D., Abdelnour, C., Shahid-Besanti, M., Wilson, E. N., Oh, H. S., Young, C. B., Trelle, A., Yutsis, et al
  2026; 22 (5): e71455
- **Night-by-Night Associations Between Sleep and Mood in Aging and Parkinson's Disease**
  Shariff, D., Arra, N., Muller-Oehring, E., Lorkiewicz, S., Schulte, T., Poston, K., Baker, F., Winer, J.
  OXFORD UNIV PRESS INC.2026: A373
- **Do Wearables Agree? Concordance of Commercial and Research-Grade Sleep Measures in Older Adults Across Healthy and Clinical Cohorts**
  Arra, N., Shariff, D., Muller-Oehring, E., Baker, F., Schulte, T., Poston, K., Winer, J.
  OXFORD UNIV PRESS INC.2026: A378
- **Insights Gained From the PPMI Brain Donation Program.** *Annals of neurology*
  Foroud, T., Heathers, L. E., Bukhari, S., Poston, K. L., Antonopoulos, G., Mantravadi, K., Rumbaugh, M., Mac Donald, C. L., Latimer, C. S., Tropea, T. F., Marek, K., Keene, C. D., Montine, et al
  2026
- **Prodromal Lewy Body Disorder Features in REM Sleep Behavior Disorder With Biomarker-Defined Synucleinopathy.** *Annals of clinical and translational neurology*
  Weintraub, D., York, M. K., Dobkin, R., Nair, A. R., Kurth, R., Lafontant, D. E., Caspell-Garcia, C., Alcalay, R. N., Brown, E. G., Chahine, L. M., Coffey, C., Foroud, T., Galasko, et al
  2026
- **Five-Year Disease Progression in Synuclein Seeding Positive Sporadic Parkinson's Disease.** *Annals of clinical and translational neurology*
  Gonzalez-Latapi, P., Gochanour, C., Choi, S. H., Cho, H., Caspell-Garcia, C., Coffey, C., Brumm, M., Lafontant, D. E., Xiao, Y., Tropea, T., Seibyl, J., Tanner, C., Venuto, et al

2026

- **Development of highly multiplex targeted proteomics assays in biofluids using a nominal mass ion trap mass spectrometer.** *Molecular & cellular proteomics : MCP*
  Plubell, D. L., Remes, P. M., Wu, C. C., Jacob, C. C., Merrihew, G. E., Hsu, C., Shulman, N., MacLean, B. X., Heil, L., Poston, K. L., Montine, T., MacCoss, M. J.
  2026: 101506

- **OMG! A proteomic determinant of neurodegenerative resiliency.** *Molecular neurodegeneration*
  Duggan, M. R., Oh, H. S., Frank, P., Gomez, G. T., Zweibaum, D., Cui, Y., Chen, J., Surapaneni, A., Blew, C. O., Dark, H. E., Joynes, C. M., Kandala, S., Bilgel, et al
  2026

- **18F-PI-2620 Tau PET is associated with cognitive and motor impairment in Lewy body disease.** *Brain communications*
  Winer, J. R., Vossler, H., Young, C. B., Smith, V., Romero, A., Shahid-Besanti, M., Abdelnour, C., Wilson, E. N., Anders, D., Pacheco Morales, A., Andreasson, K. I., Yutsis, M. V., Henderson, et al
  2025; 7 (1): fcae458

- **Pulsatile Brain Motion as a Marker of Brain Aging and Dementia: Insights from 3D q-aMRI.** *medRxiv : the preprint server for health sciences*
  Terem, I., Younes, K., Weiss, S., Dreisbach, A., Vossler, H., Kwon, E., Cornfeld, D., Wright, J., Condron, P., Poston, K. L., Henderson, V. W., Mormino, E. C., Holdsworth, et al
  2025

- **Biomarkers.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  Smith, A. M., Lorkiewicz, S. A., Montoliu-Gaya, L., Wilson, T. N., Ashton, N., Arslan, B., Plastini, M. J., Young, C. B., Winer, J. R., Shahid, M., Vossler, H., Ramirez, V., Pan, et al
  2025; 21 Suppl 2: e104596

- **Biomarkers.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  Oh, H. S., Urey, D. Y., Karlsson, L., Zhu, Z., Shen, Y., Farinas, A., Timsina, J., Duggan, M. R., Chen, J., Guldner, I. H., Morshed, N., Yang, C., Western, et al
  2025; 21 Suppl 2: e102349

- **Biomarkers.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
  Taghavi, H. M., Karimpoor, M., van Staalduinen, E., Young, C. B., Georgiadis, M., Carlson, M. L., Romero, A., Trelle, A. N., Vossler, H., Yutsis, M., Rosenberg, J., Davidzon, G. A., Zaharchuk, et al
  2025; 21 Suppl 2 (Suppl 2): e096159

- **Global network and local vulnerabilities underlie brain atrophy across Parkinson's disease stages.** *Brain : a journal of neurology*
  Vo, A., Tremblay, C., Rahayel, S., Al-Bachari, S., Berendse, H. W., Bright, J. K., Cendes, F., d'Angremont, E., Dalrymple-Alford, J. C., Debove, I., Dirkx, M. F., Druzgal, J., Garraux, et al
  2025

- **Long-read genome sequencing and multi-omics in aging and neurodegeneration.** *medRxiv : the preprint server for health sciences*
  Jensen, T. D., Le Guen, Y., Talozzi, L., Yang, S., Gorzynski, J., Peña-Tauber, A., Stewart, I., Ferrasse, A., Nachun, D., Arriaga, M. T., Lee, J., Pulgrossi, R. C., Park, et al
  2025

- **Hope vs. Hype I: It is time to redefine and rename Parkinson disease based on alpha-synuclein (PSG debate 2024).** *Parkinsonism & related disorders*
  Poston, K. L., Piccinin, C. C., Mestre, T. A.
  2025: 107983

- **Disruption of the cerebrospinal fluid-plasma protein balance in cognitive impairment and aging.** *Nature medicine*
  Farinas, A., Rutledge, J., Bot, V. A., Western, D., Ying, K., Lawrence, K. A., Oh, H. S., Yoon, S., Ding, D. Y., Tsai, A. P., Moran-Losada, P., Timsina, J., Le Guen, et al
  2025

- **Cognitive Performance in Early Neuronal Synuclein Disease with Hyposmia but without Motor Disability: Association with Dopamine Deficiency and Isolated Rapid Eye Movement Sleep Behavior Disorder.** *Annals of neurology*
  Weintraub, D., Nair, A. R., Kurth, R., Brumm, M. C., Kohnen, C., York, M. K., Dobkin, R. D., Marek, K., Tanner, C., Simuni, T., Siderowf, A., Galasko, D., Chahine, et al

2025

- **Reply to: "Refutation of the αSyn-SAA-Based Staging for Parkinson's Progression (Neuronal α-Synuclein Disease-Integrated Staging System [NSD-ISS])".** *Movement disorders : official journal of the Movement Disorder Society*
  Simuni, T., Chahine, L. M., Poston, K. L., Kopil, C. M., Weintraub, D., Dunn, B., Marek, K.
  2025

- **Convergent large-scale network and local vulnerabilities underlie brain atrophy across Parkinson's disease stages: a worldwide ENIGMA study.** *medRxiv : the preprint server for health sciences*
  Vo, A., Tremblay, C., Rahayel, S., Al-Bachari, S., Berendse, H. W., Bright, J. K., Cendes, F., d'Angremont, E., Dalrymple-Alford, J. C., Debove, I., Dirkx, M. F., Druzgal, J., Garraux, et al
  2025

- **Data Independent Acquisition to Inform the Development of Targeted Proteomics Assays Using a Triple Quadrupole Mass Spectrometer.** *Journal of proteome research*
  Plubell, D. L., Huang, E., Spencer, S. E., Poston, K. L., Montine, T. J., MacCoss, M. J.
  2025

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