



## Sharon Sha, MD, MS

Clinical Associate Professor, Neurology & Neurological Sciences

### CLINICAL OFFICES

- **Stanford Neuroscience Health Center**

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### Bio

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#### BIO

Dr. Sha is a Clinical Associate Professor of Neurology and Neurological Sciences at Stanford University where she serves as Associate Vice Chair of Clinical Research, Director of the Huntington's Disease Center of Excellence and Ataxia Clinic, Co-Director of the Lewy Body Disease Association Research Center of Excellence, Clinical Core Co-Leader of the Stanford Alzheimer's Disease Research Center, and Director of the Behavioral Neurology Fellowship. Her clinical time is devoted to caring for patients with Alzheimer's disease and other neurodegenerative disorders and her research is devoted to finding treatments for these cognitive disorders. She also served on the California Governor's Alzheimer's Prevention and Preparedness Task Force Chaired by Maria Shriver in 2020.

Dr. Sha received a Master's degree in Physiology and an MD from Georgetown University, followed by Neurology training at UCLA and Stanford University. She completed a clinical and research fellowship in Behavioral Neurology at UCSF, where she focused on identifying biomarkers for genetic forms of frontotemporal dementia and caring for patients with movement disorders with cognitive impairment.

#### CLINICAL FOCUS

- Neurology
- Huntington Disease
- Ataxia
- Alzheimer Disease
- Frontotemporal Dementia
- Dementia

#### ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Neurology & Neurological Sciences

#### ADMINISTRATIVE APPOINTMENTS

- Associate Vice Chair, Clinical Research, Department of Neurology, (2021- present)

- Medical Director, Stanford Neurosciences Clinical Trials Group, (2016- present)
- Director, Behavioral Neurology and Neuropsychiatry Fellowship, (2015- present)

## PROFESSIONAL EDUCATION

- Medical Education: Georgetown University Internal Medicine Residency (2006) DC
- Internship, California pacific medical center , Internal medicine (2007)
- Residency: University of California Los Angeles (2008) CA
- Residency: Stanford University School of Medicine (2010) CA
- Fellowship: University of California at San Francisco School of Medicine (2013) CA
- Board Certification: Behavioral Neurology and Neuropsychiatry, United Council for Neurologic Subspecialties (2014)
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2010)

## LINKS

- Research and Education: Stanford Center for Memory Disorders: <http://neurology.stanford.edu/memory/>
- Memory Disorders Clinical Trials: <http://med.stanford.edu/neurology/divisions/memory/clinicaltrials.html>
- Patient Care: Center for Memory Disorders: <https://stanfordhealthcare.org/medical-clinics/memory-disorders-center.html>
- WDSM Women's Health Forum: <https://www.youtube.com/watch?v=muuMmq4RkI>
- Behavioral Neurology Fellowship Site: <https://med.stanford.edu/neurology/divisions/memory/education.html>
- Alzheimer's Disease Research Center: <http://med.stanford.edu/adrc.html>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## Research & Scholarship

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### CLINICAL TRIALS

- A 24-Month Study to Evaluate the Efficacy and Safety of Elenbecestat (E2609) in Participants With Early Alzheimer's Disease, Recruiting
- A Study of CAD106 and CNP520 Versus Placebo in Participants at Risk for the Onset of Clinical Symptoms of Alzheimer's Disease, Recruiting
- A Study of CNP520 Versus Placebo in Participants at Risk for the Onset of Clinical Symptoms of Alzheimer's Disease, Recruiting
- A Study of Semorinemab in Patients With Moderate Alzheimer's Disease, Recruiting
- A Study to Confirm Safety and Efficacy of Lecanemab in Participants With Early Alzheimer's Disease, Recruiting
- A Study to Evaluate the Efficacy and Safety of Semorinemab in Patients With Prodromal to Mild Alzheimer's Disease, Recruiting
- GAIN Trial: Phase 2/3 Study of COR388 in Subjects With Alzheimer's Disease, Recruiting
- Prazosin for Agitation in Alzheimer's Disease, Recruiting
- Tango for Alzheimer's Disease Patients' Caregivers, Recruiting
- 221AD302 Phase 3 Study of Aducanumab (BIIB037) in Early Alzheimer's Disease, Not Recruiting
- A Study of Crenezumab Versus Placebo to Evaluate the Efficacy and Safety in Participants With Prodromal to Mild Alzheimer's Disease (AD), Not Recruiting
- A Study of RO4602522 in Participants With Moderate Severity Alzheimer Disease on Background Alzheimer Disease Therapy, Not Recruiting
- Efficacy and Safety Trial of Verubecestat (MK-8931) in Participants With Prodromal Alzheimer's Disease (MK-8931-019), Not Recruiting
- Multiple Dose Study of Aducanumab (BIIB037) (Recombinant, Fully Human Anti-A $\beta$  IgG1 mAb) in Participants With Prodromal or Mild Alzheimer's Disease, Not Recruiting
- Phase 2 Study of BIIB092 in Participants With Early Alzheimer's Disease, Not Recruiting
- The PLasma for Alzheimer SymptoM Amelioration (PLASMA) Study, Not Recruiting

## Publications

### PUBLICATIONS

- **Large Collaborative Registries and Real-world Data to Manage Amyloid-Related Imaging Abnormalities-Reply.** *JAMA neurology*  
Hall, J. N., Sha, S. J.  
2022
- **Six Recurrent Amyloid-Related Imaging Abnormality Episodes in a Patient Treated With Aducanumab.** *JAMA neurology*  
Hall, J. N., Mormino, E., Ng, A., Boumis, A., Gaudioso, J. L., Davidzon, G. A., Sha, S. J.  
2021
- **Association of CSF Biomarkers with Hippocampal-dependent Memory in Preclinical Alzheimer Disease.** *Neurology*  
Trelle, A. N., Carr, V. A., Wilson, E. N., Swarovski, M. S., Hunt, M. P., Toueg, T. N., Tran, T. T., Channappa, D. n., Corso, N. K., Thieu, M. K., Jayakumar, M. n., Nadiadwala, A. n., Guo, et al  
2021
- **Fluid and Tissue Biomarkers of Lewy Body Dementia: Report of an LBDA Symposium.** *Frontiers in neurology*  
Scott, G. D., Arnold, M. R., Beach, T. G., Gibbons, C. H., Kanthasamy, A. G., Lebovitz, R. M., Lemstra, A. W., Shaw, L. M., Teunissen, C. E., Zetterberg, H., Taylor, A. S., Graham, T. C., Boeve, et al  
2021; 12: 805135
- **Visual Read Protocols for Clinicians Analyzing 18F-PI-2620 tau PET/MRI Images**  
Koran, M., Shams, S., Adams, P., Toueg, T., Azevedo, C., Hall, J., Corso, N., Sha, S., Fredericks, C., Greicius, M., Wagner, A., Zaharchuk, G., Davidzon, et al  
SOC NUCLEAR MEDICINE INC.2020
- **Hippocampal and cortical mechanisms at retrieval explain variability in episodic remembering in older adults.** *eLife*  
Trelle, A. N., Carr, V. A., Guerin, S. A., Thieu, M. K., Jayakumar, M. n., Guo, W. n., Nadiadwala, A. n., Corso, N. K., Hunt, M. P., Litovsky, C. P., Tanner, N. J., Deutsch, G. K., Bernstein, et al  
2020; 9
- **Tau PET imaging with 18F-PI-2620 in aging and neurodegenerative diseases.** *European journal of nuclear medicine and molecular imaging*  
Mormino, E. C., Toueg, T. N., Azevedo, C. n., Castillo, J. B., Guo, W. n., Nadiadwala, A. n., Corso, N. K., Hall, J. N., Fan, A. n., Trelle, A. N., Harrison, M. B., Hunt, M. P., Sha, et al  
2020
- **Lewy Body Dementia Association's Research Centers of Excellence Program: Inaugural Meeting Proceedings.** *Alzheimer's research & therapy*  
Peterson, B., Armstrong, M., Galasko, D., Galvin, J. E., Goldman, J., Irwin, D., Paulson, H., Kaufer, D., Leverenz, J., Lunde, A., McKeith, I. G., Siderowf, A., Taylor, et al  
2019; 11 (1): 23
- **Positive Attitudes and Therapeutic Misconception Around Hypothetical Clinical Trial Participation in the Huntington's Disease Community.** *Journal of Huntington's disease*  
Cotter, K. n., Siskind, C. n., Sha, S. n., Hanson-Kahn, A. n.  
2019
- **Ultra-Low-Dose 18F-Florbetaben Amyloid PET Imaging Using Deep Learning with Multi-Contrast MRI Inputs.** *Radiology*  
Chen, K. T., Gong, E., de Carvalho Macruz, F. B., Xu, J., Boumis, A., Khalighi, M., Poston, K. L., Sha, S. J., Greicius, M. D., Mormino, E., Pauly, J. M., Srinivas, S., Zaharchuk, et al  
2018: 180940
- **Safety, Tolerability, and Feasibility of Young Plasma Infusion in the Plasma for Alzheimer Symptom Amelioration Study: A Randomized Clinical Trial.** *JAMA neurology*  
Sha, S. J., Deutsch, G. K., Tian, L. n., Richardson, K. n., Coburn, M. n., Gaudioso, J. L., Marcal, T. n., Solomon, E. n., Boumis, A. n., Bet, A. n., Mennes, M. n., van Oort, E. n., Beckmann, et al  
2018
- **An 8-week, open-label, dose-finding study of nimodipine for the treatment of progranulin insufficiency from GRN gene mutations.** *Alzheimer's & dementia (New York, N. Y.)*  
Sha, S. J., Miller, Z. A., Min, S., Zhou, Y., Brown, J., Mitic, L. L., Karydas, A., Koestler, M., Tsai, R., Corbetta-Rastelli, C., Lin, S., Hare, E., Fields, et al

2017; 3 (4): 507-12

- **Egocentric and allocentric visuospatial working memory in premotor Huntington's disease: A double dissociation with caudate and hippocampal volumes.** *Neuropsychologia*  
Possin, K. L., Kim, H., Geschwind, M. D., Moskowitz, T., Johnson, E. T., Sha, S. J., Apple, A., Xu, D., Miller, B. L., Finkbeiner, S., Hess, C. P., Kramer, J. H.  
2017; 101: 57-64
- **Early-onset Alzheimer's disease versus frontotemporal dementia: resolution with genetic diagnoses?** *Neurocase*  
Sha, S. J., Khazenzon, A. M., Ghosh, P. M., Rankin, K. P., Pribadi, M., Coppola, G., Geschwind, D. H., Rabinovici, G. D., Miller, B. L., Lee, S. E.  
2016; 22 (2): 161-167
- **Frontotemporal Dementia and Psychiatric Illness: Emerging Clinical and Biological Links in Gene Carriers** *AMERICAN JOURNAL OF GERIATRIC PSYCHIATRY*  
Block, N. R., Sha, S. J., Karydas, A. M., Fong, J. C., De May, M. G., Miller, B. L., Rosen, H. J.  
2016; 24 (2): 107-116
- **Predicting amyloid status in corticobasal syndrome using modified clinical criteria, magnetic resonance imaging and fluorodeoxyglucose positron emission tomography.** *Alzheimer's research & therapy*  
Sha, S. J., Ghosh, P. M., Lee, S. E., Corbetta-Rastelli, C., Jagust, W. J., Kornak, J., Rankin, K. P., Grinberg, L. T., Vinters, H. V., Mendez, M. F., Dickson, D. W., Seeley, W. W., Gorno-Tempini, et al  
2015; 7 (1): 8-?
- **Altered network connectivity in frontotemporal dementia with C9orf72 hexanucleotide repeat expansion** *BRAIN*  
Lee, S. E., Khazenzon, A. M., Trujillo, A. J., Guo, C. C., Yokoyama, J. S., Sha, S. J., Takada, L. T., Karydas, A. M., Block, N. R., Coppola, G., Pribadi, M., Geschwind, D. H., Rademakers, et al  
2014; 137: 3047-3060
- **Quantitative 7T Phase Imaging in Premanifest Huntington Disease** *AMERICAN JOURNAL OF NEURORADIOLOGY*  
Apple, A. C., Possin, K. L., Satriis, G., JOHNSON, E., Lupo, J. M., Jakary, A., Wong, K., Kelley, D. A., Kang, G. A., SHA, S. J., Kramer, J. H., Geschwind, M. D., Nelson, et al  
2014; 35 (9): 1707-1713
- **Executive Functions in Premanifest Huntington's Disease** *MOVEMENT DISORDERS*  
You, S. C., Geschwind, M. D., Sha, S. J., Apple, A., Satriis, G., Wood, K. A., Johnson, E. T., Gooblar, J., Feuerstein, J. S., Finkbeiner, S., Kang, G. A., Miller, B. L., Hess, et al  
2014; 29 (3): 405-409
- **Interrater reliability of the new criteria for behavioral variant frontotemporal dementia** *NEUROLOGY*  
LaMarre, A. K., Rascovsky, K., Bostrom, A., Toofanian, P., Wilkins, S., Sha, S. J., Perry, D. C., Miller, Z. A., Naasan, G., Laforce, R. J., Hagen, J., Takada, L. T., Tartaglia, et al  
2013; 80 (21): 1973-1977
- **Frontotemporal dementia due to C9ORF72 mutations Clinical and imaging features** *NEUROLOGY*  
Sha, S. J., Takada, L. T., Rankin, K. P., Yokoyama, J. S., Rutherford, N. J., Fong, J. C., Khan, B., Karydas, A., Baker, M. C., DeJesus-Hernandez, M., Pribadi, M., Coppola, G., Geschwind, et al  
2012; 79 (10): 1002-1011
- **Atypical, slowly progressive behavioural variant frontotemporal dementia associated with C9ORF72 hexanucleotide expansion** *JOURNAL OF NEUROLOGY NEUROSURGERY AND PSYCHIATRY*  
Khan, B. K., Yokoyama, J. S., Takada, L. T., Sha, S. J., Rutherford, N. J., Fong, J. C., Karydas, A. M., Wu, T., Kettle, R. S., Baker, M. C., Hernandez, M., Coppola, G., Geschwind, et al  
2012; 83 (4): 358-364
- **Neuropsychiatric features of C9orf72-associated behavioral variant frontotemporal dementia and frontotemporal dementia with motor neuron disease** *ALZHEIMERS RESEARCH & THERAPY*  
Takada, L. T., Sha, S. J.  
2012; 4 (5)
- **Treatment implications of C9ORF72** *ALZHEIMERS RESEARCH & THERAPY*  
Sha, S. J., Boxer, A.  
2012; 4 (6)

- **Are frontotemporal lobar degeneration, progressive supranuclear palsy and corticobasal degeneration distinct diseases?** *NATURE CLINICAL PRACTICE NEUROLOGY*  
Sha, r. S., Hou, C., Viskontas, I. V., Miller, B. L.  
2006; 2 (12): 658-665
- **Distinctive neuropsychological patterns in frontotemporal dementia, semantic dementia, and Alzheimer disease.** *Cognitive and behavioral neurology*  
Kramer, J. H., Jurik, J., Sha, S. J., Rankin, K. P., Rosen, H. J., Johnson, J. K., Miller, B. L.  
2003; 16 (4): 211-218