



## Hengameh Zahed, MD, PhD

Clinical Assistant Professor, Adult Neurology

### CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

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### Bio

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#### BIO

Dr. Zahed is a board-certified, fellowship-trained neurologist with the Stanford Medicine Movement Disorders Center. She is also a clinical assistant professor in the Department of Neurology and Neurological Sciences.

She diagnoses and treats a wide range of movement disorders including Parkinson's disease, Huntington's disease, essential tremor, dystonia, and ataxia. She creates a personalized treatment plan for each of her patients using a variety of treatment options, including pharmacological and non-pharmacological options, deep brain stimulation (DBS) treatment for Parkinson's disease and tremors, and botulinum toxin injections for movement disorders and spasticity.

Prior to joining Stanford University, Dr. Zahed completed a neurology residency and fellowship in movement disorders at University of California, San Francisco (UCSF), where she also earned her MD and PhD in biomedical sciences. Dr. Zahed's research interests include understanding the genetic and electrophysiological underpinnings of movement disorders and investigating applications of wearable technologies to monitor symptoms and improve the quality of life in patients with movement disorders. She also participates in clinical trials of new therapeutics for Parkinson's disease and other movement disorders.

Dr. Zahed has published in Movement Disorders, Molecular Genetics & Genomic Medicine, The Journal of Clinical Investigation, American Journal of Human Genetics, Cell, and other peer-reviewed journals. She has presented to her peers at international, national, and regional meetings. These meetings have included the International Congress of Parkinson's Disease and Movement Disorders, the Hereditary Disease Foundation Symposium, the World Society for Stereotactic and Functional Neurosurgery, and the Society for Neuroscience.

Dr. Zahed is a member of the International Parkinson and Movement Disorders Society.

## CLINICAL FOCUS

- Neurology

## ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Adult Neurology
- Member, Wu Tsai Neurosciences Institute

## PROFESSIONAL EDUCATION

- Board Certification: Neurology, American Board of Psychiatry and Neurology (2021)
- Residency: UCSF Dept of Neurology (2021) CA
- Medical Education: University of California at San Francisco School of Medicine (2016) CA

## Publications

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### PUBLICATIONS

- **Remote real time digital monitoring fills a critical gap in the management of Parkinson's disease.** *NPJ Parkinson's disease*  
Negi, A. S., Karjagi, S., Parisi, L., Daley, K. W., Abay, A. K., Gala, A. S., Wilkins, K. B., Hoffman, S. L., Ferris, M. S., Zahed, H., Chattree, G. M., Palushaj, B., Bronte-Stewart, et al  
2025; 11 (1): 239
- **Automated Imaging Differentiation for Parkinsonism.** *JAMA neurology*  
Vaillancourt, D. E., Barmpoutis, A., Wu, S. S., DeSimone, J. C., Schauder, M., Chen, R., Parrish, T. B., Wang, W. E., Molho, E., Morgan, J. C., Simon, D. K., Scott, B. L., Rosenthal, et al  
2025
- **The Neurophysiology of Sleep in Parkinson's Disease.** *Movement disorders : official journal of the Movement Disorder Society*  
Zahed, H., Zuzuarregui, J. R., Gilron, R., Denison, T., Starr, P. A., Little, S.  
2021; 36 (7): 1526-1542
- **Using exome sequencing to decipher family history in a healthy individual: Comparison of pathogenic and population MTM1 variants.** *Molecular genetics & genomic medicine*  
Penon, M., Zahed, H., Berger, V., Su, I., Shieh, J. T.  
2018; 6 (5): 722-727
- **Potential Role of Genomic Sequencing in the Early Diagnosis of Treatable Genetic Conditions.** *The Journal of pediatrics*  
Zahed, H., Sparks, T. N., Li, B., Alsadah, A., Shieh, J. T.  
2017; 189: 222-226.e1
- **Antimalarial myopathy in a systemic lupus erythematosus patient with quadriplegia and seizures: a case-based review.** *Clinical rheumatology*  
Jafri, K., Zahed, H., Wysham, K. D., Patterson, S., Nolan, A. L., Bucknor, M. D., Chaganti, R. K.  
2017; 36 (6): 1437-1444
- **Serine 421 regulates mutant huntingtin toxicity and clearance in mice** *JOURNAL OF CLINICAL INVESTIGATION*  
Kratte, I. H., Zahed, H., Lau, A., Tsvetkov, A. S., Daub, A. C., Weiberth, K. F., Gu, X., Saudou, F., Humbert, S., Yang, X., Osmand, A., Steffan, J. S., Masliah, et al  
2016; 126 (9): 3585-97
- **Sequence-Level Analysis of the Major European Huntington Disease Haplotype** *AMERICAN JOURNAL OF HUMAN GENETICS*  
Lee, J., Kim, K., Shin, A., Chao, M. J., Abu Elneel, K., Gillis, T., Mysore, J., Kaye, J. A., Zahed, H., Kratter, I. H., Daub, A. C., Finkbeiner, S., Li, et al  
2015; 97 (3): 435-44
- **Oligodendrocyte-encoded HIF function couples postnatal myelination and white matter angiogenesis.** *Cell*  
Yuen, T. J., Silbereis, J. C., Griveau, A., Chang, S. M., Daneman, R., Fancy, S. P., Zahed, H., Maltepe, E., Rowitch, D. H.  
2014; 158 (2): 383-396

- **Constitutive Gs activation using a single-construct tetracycline-inducible expression system in embryonic stem cells and mice.** *Stem cell research & therapy*  
Hsiao, E. C., Nguyen, T. D., Ng, J. K., Scott, M. J., Chang, W. C., Zahed, H., Conklin, B. R.  
2011; 2 (2): 11
- **Specific ATM-mediated phosphorylation dependent on radiation quality.** *Radiation research*  
Whalen, M. K., Gurai, S. K., Zahed-Kargaran, H., Pluth, J. M.  
2008; 170 (3): 353-64
- **Heregulin is sufficient for the promotion of tumorigenicity and metastasis of breast cancer cells in vivo.** *Molecular cancer research : MCR*  
Atlas, E., Cardillo, M., Mehmi, I., Zahedkargaran, H., Tang, C., Lupu, R.  
2003; 1 (3): 165-75
- **Instrumental analysis in the organic lab: Microscale preparation and GC/MS analysis of deuterated butyl and ethyl acetates.**  
Smith, L. R., Zahedkargaran, H.  
AMER CHEMICAL SOC.2001: U121