Stanford



Niloofar Taheri

Postdoctoral Scholar, Psychiatry

Bio

BIO

Dr. Niloofar Taheri is a postdoctoral researcher (MD, Inv) in the Mignot Lab at Stanford University, where she conducts research in sleep medicine and neuroimmunology. Her work has been recognized with Gold Medals at international invention competitions, including the IFIA Members' Competition for developing a novel diagnostic and therapeutic approach to neurodegenerative disorders, and the 2025 American Innovation Exhibition (AIIE) in San Diego, where she received a Gold Medal and Special Prize for designing a medication to improve the treatment of brain metastases in breast cancer. Most recently, she won a Gold Medal at the 2025 Kaohsiung International Invention & Design Expo (KIDE), for a patent on a novel diagnostic method for the early detection of major depressive disorder (MDD).

She brings experience in clinical practice, co-founding an autoimmune society, and developing wet-lab models. She is also a verified peer reviewer for psychiatry and neuroscience journals.

HONORS AND AWARDS

- Special Award, 2025 America Innovation Invention Expo (WIIPA), WIIPA (Aug 2025)
- Gold Medalist, The 2025 America Innovation Invention Expo (WIIPA), WIIPA (Aug 2025)
- Gold Medalist, 5th International Invention and Innovation Competition for IFIA INV Members, IFIA (Aug, 2025)

PROFESSIONAL EDUCATION

- Doctor of Medicine (MD), Shahroud University of Medical Sciences (2022)

STANFORD ADVISORS

- Emmanuel Mignot, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Emmanuel Mignot, Mignot lab (1/6/2025)

Publications

PUBLICATIONS

- **Oxidative stress, depressive symptoms, disability, cognitive outcomes and hand dexterity in relapsing-remitting multiple sclerosis patients with mild/moderate disability.** *IBRO neuroscience reports*
  Mosaddeghi-Heris, R., Taheri, N., Talebi, M., Naseri, A.

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- **Global, Regional, and National Burden of Heart Failure, 1990-2023: A Systematic Analysis for the Global Burden of Disease Study 2023.** *JAMA cardiology*
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- **The impact of teleradiology: balancing clinical benefits and operational limitations.** *Neuroradiology*
  Mosaddeghi-Heris, R., Bagheri, K., Adib, A., Tahavvori, A., Sahrai, H., Norouzi, A., Mehrtabar, S., Taheri, N., Farzaneh, M., Sotoudeh, H.
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- **Retracted Evidence and Emerging Insights: A Meta-Analytic Reassessment of the Probiotics Supplementation as an Adjunctive Therapy in Relapsing-Remitting Multiple Sclerosis** *PHARMACEUTICAL SCIENCES*
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- **Exploring the Role of Long Non-Coding RNAs in Mediating Cisplatin Resistance in Glioma/Glioblastoma Cells** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
  Sahrai, H., Mosaddeghi-Heris, R., Forghani, N., Norouzi, A., Zare, S., Aghazadeh, H., Bagheri, K., Kocsis, R., Ahmed, F., Taheri, N., Uddin, S., Farzaneh, M.
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- **The emerging role of the meningeal lymphatic and glymphatic systems in migraine pathophysiology: a systematic review.** *The journal of headache and pain*
  Bagheri, K., Sahrai, H., Safari Dehnavi, N., Taheri, N., Norouzi, A., Talebi, M., Mosaddeghi-Heris, R., Naseri, A.
  2026; 27 (1)
- **An Exploratory Cross-Sectional Study of the Association Between Regular Cigarette Smoking and Level of Disability, Hand Dexterity, Cognitive Impairment, Fatigue, and Markers of Oxidative Stress in Male Patients With Relapsing-Remitting Multiple Sclerosis.** *American journal of men's health*
  Ahmadi Bonabi, M., Mosaddeghi-Heris, R., Taheri, N., Talebi, M., Naseri, A.
  2026; 20 (3): 15579883261453962
- **The correlation between serum markers of oxidative stress and fatigue and related factors in minimally disabled patients with relapsing-remitting multiple sclerosis.** *Scientific reports*
  Alipour, A., Mosaddeghi-Heris, R., Darvishi, A., Parvaneh, S., Talebi, M., Taheri, N., Talebi, M., Naseri, A.
  2026
- **Sensory Neuroimmunology: Bidirectional Neuro-Immune Circuits Governing Pain, Itch, Inflammation, and Host Defense at Barrier Surfaces.** *Biology*
  Mosaddeghi-Heris, R., Forghani, N., Safari Dehnavi, N., Saberivand, M., Tahavvori, A., Azin, S., Taheri, N., Martelletti, P.
  2026; 15 (10)
- **Perceptions and Emotions Toward Diets and Supplements Among Reddit Users With Functional/Dissociative Seizures and Their Caregivers: A Mixed-Methods Analysis of r/PNESsupport.** *Brain and behavior*
  Abbasi, H., Taheri, N., Jafari, A.
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- **Artificial Intelligence and Robotics in General Surgery: Opportunities and Challenges.** *Cureus*
  Seifi, S., Sahrai, H., Safari Dehnavi, N., Amiri, F., Amin Dashti, S. M., Noruzi, A., Taheri, N., Mosaddeghi-Heris, R., Seifi, A.
  2026; 18 (5): e109378
- **Stinging Salvation: Harnessing Scorpion Venom Peptides for Revolutionary Pain Relief.** *Toxins*
  Mosaddeghi-Heris, R., Pandeh, M., Ghorbi, L., Taheri, N., Shariat Zadeh, M., Bagheri, K., Martelletti, P.
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- **Effects of Resveratrol on Nonmelanoma Skin Cancer (NMSC): A Comprehensive Review.** *Food science & nutrition*
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- **A comprehensive view on the fisetin impact on colorectal cancer in animal models: Focusing on cellular and molecular mechanisms.** *Animal models and experimental medicine*
  Zamanian, M. Y., Taheri, N., Ramadan, M. F., Mustafa, Y. F., Alkhayyat, S., Sergeevna, K. N., Alsaab, H. O., Hjazi, A., Molavi Vasei, F., Daneshvar, S.
  2024; 7 (5): 591-605

- **The Neuroprotective Effects of Agmatine on Parkinson's Disease: Focus on Oxidative Stress, Inflammation and Molecular Mechanisms** *INFLAMMATION*
  Zamanian, M., Nazifi, M., Khachatryan, L. G., Taheri, N., Ivraghi, M., Menon, S. V., Husseen, B., Prasad, K. V., Petkov, I., Nikbakht, N.
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- **The Link Between Vitamin D and the Risk of Aneurysmal Subarachnoid Hemorrhage: A Systematic Review.** *World neurosurgery*
  Abbasi, H., Rahnemayan, S., Alawfi, J. S., Mirshekari, M., Taheri, N., Farhoudi, M.
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- **A comprehensive view on the quercetin impact on bladder cancer: Focusing on oxidative stress, cellular, and molecular mechanisms.** *Fundamental & clinical pharmacology*
  Golmohammadi, M., Elmaghraby, D. A., Ramírez-Coronel, A. A., Rakhimov, N., Mohammed, S. S., Romero-Parra, R. M., Jawad, M. A., Zamanian, M. Y., Soltani, A., Taheri, N., Kianifar, F., Vousooghi, N.
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- **Neuroprotective and Anti-Inflammatory Effects of Pioglitazone on Parkinson's Disease: A Comprehensive Narrative Review of Clinical and Experimental Findings.** *CNS & neurological disorders drug targets*
  Zamanian, M. Y., Terefe, E. M., Taheri, N., Kujawska, M., Tork, Y. J., Abdelbasset, W. K., Shoukat, S., Opulencia, M. J., Heidari, M., Alesaeidi, S.
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- **Targeting Nrf2 signaling pathway and oxidative stress by resveratrol for Parkinson's disease: an overview and update on new developments.** *Molecular biology reports*
  Zamanian, M. Y., Parra, R. M., Soltani, A., Kujawska, M., Mustafa, Y. F., Raheem, G., Al-Awsi, L., Lafta, H. A., Taheri, N., Heidari, M., Golmohammadi, M., Bazmandegan, G.
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- **Neuroprotective and Anti-inflammatory Effects of Pioglitazone on Traumatic Brain Injury.** *Mediators of inflammation*
  Zamanian, M. Y., Taheri, N., Opulencia, M. J., Bokov, D. O., Abdullaev, S. Y., Gholamrezapour, M., Heidari, M., Bazmandegan, G.
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- **Long-Term Persistence of Anti-SARS-COV-2 IgG Antibodies.** *Current microbiology*
  Yousefi, Z., Taheri, N., Dargahi, M., Chaman, R., Binesh, E., Emamian, M. H., Jafari, R.
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- **Advances in immunotherapy for COVID-19: A comprehensive review.** *International immunopharmacology*
  Masoomikarimi, M., Garmabi, B., Alizadeh, J., Kazemi, E., Azari Jafari, A., Mirmoeeni, S., Dargahi, M., Taheri, N., Jafari, R.
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