Stanford



Mohamad Matout, MD, MSc

Clinical Assistant Professor, Psychiatry and Behavioral Sciences

CLINICAL OFFICE (PRIMARY)

- **Psychiatry**

  401 Quarry Rd

  MC 5797

  Stanford, CA 94305

  Tel (650) 498-9111 **Fax** (650) 724-9900

Bio

BIO

Dr. Mohamad Matout is a board-certified, fellowship-trained psychiatrist with Stanford Health Care. He is also a clinical assistant professor in the Department of Psychiatry and Behavioral Sciences at Stanford University School of Medicine.

Dr. Matout specializes in using brain stimulation therapies to treat mental illnesses and neurological disorders that do not respond to standard treatments. These therapies include deep brain stimulation (DBS), electroconvulsive therapy (ECT), and transcranial magnetic stimulation (TMS). He serves as the attending psychiatrist for the Youth TMS Clinic at Stanford Health Care, providing transcranial magnetic stimulation for adolescents with treatment-resistant mood disorders. Dr. Matout also uses avatar therapy, an investigational treatment for psychosis that involves using a digital avatar to represent the voices a patient hears.

Dr. Matout's research centers on brain health as a unifying framework for understanding psychiatric illness across the lifespan. Using a statistical modeling technique called psychometric network analysis, he maps how psychiatric symptoms mutually reinforce or suppress one another. This method reveals the structure of mental illness beyond traditional diagnostic categories. Dr. Matout developed the approach through his graduate work on brain health in HIV and post-COVID syndrome. He now applies it to neuromodulation (changing nerve signals for treatment) and other novel interventions.

Dr. Matout's two primary lines of research are TMS for adolescents and avatar therapy. He also contributes to a broader range of neuromodulation studies through collaboration with the Brain Stimulation Lab at Stanford University School of Medicine. Beyond his clinical and research work, Dr. Matout is co-founder of AVAtalk Technologies Inc., a mental health technology startup focused on avatar-based therapeutic solutions.

Dr. Matout has authored peer-reviewed publications in Social Psychiatry and Psychiatric Epidemiology, Quality of Life Research, and CEN Case Reports. He has also contributed chapters to Current Medical Diagnosis & Treatment 2027 and Katzung & Trevor's Basic & Clinical Pharmacology (17th ed., McGraw-Hill, in press).

Dr. Matout is a member of the American Neuropsychiatric Association (ANPA) and the Brain Stimulation Society (BraSS), where he serves as assistant treasurer.

CLINICAL FOCUS

- Psychiatry

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Psychiatry and Behavioral Sciences
- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- The Governor General's Academic Bronze Medal, The Governor General of Canada (2011)
- Serge Bikadoroff Prize, Department of Psychiatry, McGill University (2024)
- Resident Leadership and Engagement Award, Association des Médecins Psychiatres du Québec (AMPQ) (2024)
- Graduate Excellence Award, Department of Experimental Medicine, McGill Universit (2021, 2022)
- Geriatric Psychiatry Prize, Department of Psychiatry, McGill University (2024)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, BraSS (2025 - present)
- Member, ANPA (2025 - present)

PROFESSIONAL EDUCATION

- Board Certification: Psychiatry, American Board of Psychiatry and Neurology (2024)
- Fellowship: Stanford University Psychiatry and Behavioral Sciences (2025) CA
- Residency: McGill University Graduate Medical Education (2024) Canada
- Medical Education: McGill University Faculty of Medicine (2018) Canada

Publications

PUBLICATIONS

- **Predictive Value of Parasympathetic Tone in Individuals Receiving Electroconvulsive Treatment.** *The journal of ECT*
  Saxena, P. P., Lin, F. V., Liu, Y. M., Oh, K. M., Raj, K., Guillen-Mendez, I., Bhati, M., Ehrie, J., Kim, D., Salaheldin, K., Shanbour, A., Matout, M., Sommer, et al
  2026

- **Using network analysis to provide evidence for brain health as a unified construct relevant to aging with HIV.** *Social psychiatry and psychiatric epidemiology*
  Matout, M., Brouillette, M. J., Fellows, L. K., Mayo, N. E.
  2025; 60 (5): 1077-1085

- **Portrait of mental health identified by people with the post-covid syndrome.** *Quality of life research : an international journal of quality of life aspects of treatment, care and rehabilitation*
  Mayo, N. E., Hum, S., Matout, M., Fellows, L. K., Brouillette, M. J.
  2024; 33 (9): 2509-2516

- **What is QOL in children and adolescents with physical disabilities? A thematic synthesis of pediatric QOL literature.** *Quality of life research : an international journal of quality of life aspects of treatment, care and rehabilitation*
  Ow, N., Appau, A., Matout, M., Mayo, N. E.
  2021; 30 (5): 1233-1248

- **A case of acute kidney injury secondary to black cherry concentrate in a patient with chronic kidney disease secondary to type 2 diabetes mellitus.** *CEN case reports*
  Matout, M., Halme, A. S., Wiseman, J.
  2019; 8 (3): 212-215