



Rebecca Kate Miller-Kuhlmann

Clinical Associate Professor, Adult Neurology

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

213 Quarry Rd

MC 5957 FI 2

Palo Alto, CA 94304

Tel (650) 723-6469 **Fax** (650) 725-0390

Bio

BIO

Rebecca Miller-Kuhlmann, MD, is a Clinical Associate Professor of Neurology & Neurological Sciences at Stanford University School of Medicine, where she also serves as Assistant Dean for Pre-clerkship Education. She is board certified in Neurology and Electrodiagnostic Medicine.

As Assistant Dean, Dr. Miller-Kuhlmann partners with medical education leaders to optimize curricular quality, integration, and reform across the pre-clerkship years. She also directs the Science of Medicine course, which covers the physiology and pathology of each organ system for first- and second-year medical students and comprises approximately 40% of pre-clerkship course content. She co-directs a communication coaching program within the Stanford Neurology Residency. Prior to medicine, she was a public school teacher — an experience that continues to shape her commitment to education. Her teaching has been recognized most recently with the Kaiser Award for Excellence in Preclinical Teaching.

Clinically, Dr. Miller-Kuhlmann practices in the Division of Comprehensive Neurology. She values maintaining broad clinical knowledge to best serve patients with complex, multi-system neurologic issues and also offers particular expertise in spasticity management. She earned her MD with Distinction from UCSF, where she completed the Health Professions Education Pathway, and completed her training in Neurology at Stanford.

Dr. Miller-Kuhlmann is an active contributor to physician wellbeing efforts nationally, serving on the American Academy of Neurology's Wellness Subcommittee and currently chairing the Wellbeing Hub at the 2026 AAN Annual Meeting. She received the Stanford Health Care Excellence in Our Workplace Award for her efforts to promote professional fulfillment and improve the practice environment for physicians.

CLINICAL FOCUS

- Neurology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Adult Neurology

HONORS AND AWARDS

- Henry J. Kaiser Family Foundation Award for Excellence in Preclinical Teaching., Stanford School of Medicine (2023)
- Stanford Health Care Excellence in our Workplace Award, Stanford Health Care (2022)
- Outstanding Lecture Award, Stanford School of Medicine (2020)
- AAN Live Well Lead Well Leadership Program Graduate, American Academy of Neurology (2018)
- Alpha Omega Alpha Honor Society, Stanford University (2017)
- Christine Wijman Humanism in Medicine Award, Stanford University (2017)
- Fisher's & Dunn Teaching Award, Stanford University (2017)
- Neurology Clerkship Teaching Award, Stanford University (2014)
- Dean's Award for Student Research (Health Profession's Education Pathway), UCSF (2013)
- Phi Beta Kappa Honor Society, Duke University (2007)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Wellbeing Sub-Committee Member, American Academy of Neurology (2021 - present)

PROFESSIONAL EDUCATION

- Board Certification: Electrodiagnostic Medicine, American Board of Electrodiagnostic Medicine (2020)
- Residency: Stanford University Dept of Neurology (2017) CA
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2017)
- Fellowship, Clinical Neurology , Stanford University (2018)
- Internship: Santa Clara Valley Medical Center Internal Medicine Residency (2014) CA
- Medical Education: University of California at San Francisco School of Medicine (2013) CA

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Miller-Kuhlmann's scholarly interests center on medical education innovation, communication coaching in graduate medical education, and physician wellbeing. Her work aims to strengthen how physicians are trained, how they communicate with patients, and how the systems around them can better support professional fulfillment. Across these areas, she brings a quality improvement lens — applying structured QI methods to both educational program development and wellbeing initiatives.

Specific areas of interest include:

(1) Communication Coaching in GME: Dr. Miller-Kuhlmann co-directs a communication coaching program within the Stanford Neurology Residency, which is closely partnered with coaching programs in pediatrics, general surgery, dermatology, and emergency medicine among others. Research in this area has examined implementation factors, stakeholder engagement, and the impact of coaching on resident communication confidence and feedback quality. This work has been presented internationally (AMEE, ICQI) and published in BMC Medical Education, Medical Education Online, and Education for Health.

(2) Pre-clerkship Curriculum Design: As course director for Science of Medicine and Assistant Dean for Pre-clerkship Education, Dr. Miller-Kuhlmann is engaged in ongoing curricular reform, including optimization of organ system block structure, integration of pathology teaching, and exploration of AI-assisted tools for case-based learning in neurology education.

(3) Physician Wellbeing and Efficiency of Practice: Dr. Miller-Kuhlmann's work as Wellbeing Director for the Stanford Department of Neurology (2017–2024) applied quality improvement methodology to study physician perceptions of patient satisfaction feedback and to target drivers of work-after-work, including inbox management- both EMR and email. This work has informed the design of new performance feedback dashboards and has been published in the Joint Commission Journal on Quality and Patient Safety.

Teaching

COURSES

2025-26

- Science of Medicine I: INDE 221 (Spr)
- Science of Medicine II-A: INDE 222A (Aut)
- Science of Medicine II-B: INDE 222B (Aut)
- Science of Medicine III-A: INDE 223A (Win)
- Science of Medicine III-B: INDE 223B (Win)

2024-25

- Science of Medicine I: INDE 221 (Spr)
- Science of Medicine II-A: INDE 222A (Aut)
- Science of Medicine II-B: INDE 222B (Aut)
- Science of Medicine III-A: INDE 223A (Win)
- Science of Medicine III-B: INDE 223B (Win)

2023-24

- Science of Medicine I: INDE 221 (Spr)
- Science of Medicine II-A: INDE 222A (Aut)
- Science of Medicine II-B: INDE 222B (Aut)
- Science of Medicine III-A: INDE 223A (Win)
- Science of Medicine III-B: INDE 223B (Win)

2022-23

- Science of Medicine I: INDE 221 (Spr)
- Science of Medicine II-A: INDE 222A (Aut)
- Science of Medicine II-B: INDE 222B (Aut)
- Science of Medicine III-A: INDE 223A (Win)
- Science of Medicine III-B: INDE 223B (Win)

Publications

PUBLICATIONS

- **Resident in-service examination first-year trainee survey results: Comparison of US and international medical graduates' perceived preparedness for pathology residency.** *American journal of clinical pathology*

- Maltos, A. M., Gedallovich, J., Miller-Kuhlmann, R. K., Sanford, K. W., Brown, A., Wagner, J., Ernst, K.
2025
- **Towards a Novel Patient Experience Survey System: Incorporating Physician Perspectives into Performance Feedback Dashboard Design.** *Journal of patient experience*
Vilendrer, S., Bragdon, C., Miller-Kuhlmann, R. K., Vora, N., Gold, C. A., Winget, M.
2025; 12: 23743735251341724
 - **Implementation and evaluation of a communication coaching program: a CFIR-Informed qualitative analysis mapped onto a logic model.** *BMC medical education*
Jensen, R. M., Sasnal, M., Mai, U. T., Korndorffer, J. R., Miller-Kuhlmann, R. K., Morris, A. M., Nassar, A. K., Gold, C. A.
2025; 25 (1): 613
 - **Tips for developing a coaching program in medical education.** *Medical education online*
Miller-Kuhlmann, R., Sasnal, M., Gold, C. A., Nassar, A. K., Korndorffer, J. R., Van Schaik, S., Marmor, A., Williams, S., Blankenburg, R., Rassbach, C. E.
2024; 29 (1): 2289262
 - **Strategies to foster stakeholder engagement in residency coaching: a CFIR-Informed qualitative study across diverse stakeholder groups.** *Medical education online*
Sasnal, M., Jensen, R. M., Mai, U. T., Gold, C. A., Nassar, A. K., Korndorffer, J. R., Morris, A. M., Miller-Kuhlmann, R. K.
2024; 29 (1): 2407656
 - **Education Research: Sustained Implementation of Quality Improvement Practices Is Observed in Early Career Physicians Following a Neurology Resident QI Curriculum.** *Neurology. Education*
Xiong, K., Miller-Kuhlmann, R. K., Scott, B. J., He, Z., Dujari, S., Gold, C., Kvam, K.
2024; 3 (2): e200137
 - **Impact of a coaching program on resident perceptions of communication confidence and feedback quality.** *BMC medical education*
Gold, C. A., Jensen, R., Sasnal, M., Day, H. S., Miller-Kuhlmann, R. K., Blankenburg, R. L., Rassbach, C. E., Morris, A. M., Korndorffer, J. R., Nassar, A. K.
2024; 24 (1): 435
 - **Physician Perceptions of Performance Feedback and Impact on Personal Well-Being: A Qualitative Exploration of Patient Satisfaction Feedback in Neurology.** *Joint Commission journal on quality and patient safety*
Vilendrer, S., Levoy, E., Miller-Kuhlmann, R., Amano, A., Brown-Johnson, C., De Borba, L., Luu, J. H., Sakamuri, S., Gold, C. A.
2022
 - **Developing a multi-departmental residency communication coaching program.** *Education for health (Abingdon, England)*
Nassar, A. K., Sasnal, M., Miller-Kuhlmann, R. K., Jensen, R. M., Blankenburg, R. L., Rassbach, C. E., Smith-Bentley, M., Vyas, A., Korndorffer, J. R., Gold, C. A.
2022; 35 (3): 98-104
 - **Patient and Clinician Perspectives of New and Return Ambulatory Teleneurology Visits.** *Neurology. Clinical practice*
Kling, S. M., Falco-Walter, J. J., Saliba-Gustafsson, E. A., Garvert, D. W., Brown-Johnson, C. G., Miller-Kuhlmann, R., Shaw, J. G., Asch, S. M., Yang, L., Gold, C. A., Winget, M.
1800; 11 (6): 472-483
 - **Evaluation of Patient and Clinician Perspectives for New and Return Ambulatory Teleneurology Visits, with special attention to subspecialty differences**
Falco-Walter, J., Kling, S., Saliba-Gustafsson, E., Yang, L., Miller-Kuhlmann, R., Garvert, D., Brown-Johnson, C., Shaw, J., Asch, S., Winget, M., Gold, C.
LIPPINCOTT WILLIAMS & WILKINS.2021
 - **Resident-driven strategies to improve the educational experience of teleneurology**
Ng, J., Chen, J., Liu, M., Yang, L., Miller-Kuhlmann, R., Falco-Walter, J., Gold, C.
LIPPINCOTT WILLIAMS & WILKINS.2021
 - **The Most Effective Interventions for Resident Well-being during the COVID-19 Pandemic**
Chen, J., Dujari, S., Pavitt, S., Miller-Kuhlmann, R., Vora, N.
LIPPINCOTT WILLIAMS & WILKINS.2021

- **Feasibility and acceptability of virtually coaching residents on communication skills: a pilot study.** *BMC medical education*
Sasnal, M., Miller-Kuhlmann, R., Merrell, S. B., Beres, S., Kipp, L., Lee, S., Threlkeld, Z., Nassar, A. K., Gold, C. A.
2021; 21 (1): 513
- **Accelerated launch of video visits in ambulatory neurology during COVID-19: Key lessons from the Stanford experience.** *Neurology*
Yang, L., Brown-Johnson, C. G., Miller-Kuhlmann, R., Kling, S. M., Saliba-Gustafsson, E. A., Shaw, J. G., Gold, C. A., Winget, M.
2020
- **Education Research: A novel resident-driven neurology quality improvement curriculum.** *Neurology*
Miller-Kuhlmann, R., Kraler, L., Bozinov, N., Frolov, A., Mlynash, M., Gold, C. A., Kvam, K. A.
2020; 94 (3): 137–42
- **Rapid implementation of video visits in neurology during COVID-19: a mixed methods evaluation.** *Journal of medical Internet research*
Saliba-Gustafsson, E. A., Miller-Kuhlmann, R. n., Kling, S. M., Garvert, D. W., Brown-Johnson, C. G., Lestoquoy, A. S., Verano, M. R., Yang, L. n., Falco-Walter, J. n., Shaw, J. G., Asch, S. M., Gold, C. A., Winget, et al
2020
- **Making Well Neurologists: A Multifaceted Program for Neurology Trainee and Faculty Wellbeing**
Miller-Kuhlmann, R., Murray, N., Dujari, S., Karamian, A., Hamidi, M., Su, E., Bozinov, N., McGranahan, T.
LIPPINCOTT WILLIAMS & WILKINS.2019
- **A Quality Improvement Curriculum for Neurology Residents**
Miller-Kuhlmann, R., Kraler, L., Bozinov, N., Frolov, A., Mlynash, M., Gold, C., Kvam, K.
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Essential steps in developing best practices to assess reflective skill: A comparison of two rubrics** *MEDICAL TEACHER*
Miller-Kuhlmann, R., O'Sullivan, P. S., Aronson, L.
2016; 38 (1): 75-81
- **The regulatory easy street: Self-regulation below the self-control threshold does not consume regulatory resources** *PERSONALITY AND INDIVIDUAL DIFFERENCES*
Vandellen, M. R., Hoyle, R. H., Miller, R.
2012; 52 (8): 898-902

PRESENTATIONS

- A Novel Quality Improvement Curriculum for Neurology Residents - American Academy of Neurology Annual Conference (April 23, 2018)
- Making Well Neurologists: a longitudinal wellbeing program - International Conference on Physician Health (10/12/2018)