Stanford



Sara Marie Krzyzaniak

Clinical Professor, Emergency Medicine

CLINICAL OFFICE (PRIMARY)

- **Stanford Dept of Emergency Medicine**
  500 Pasteur Dr
  Stanford, CA 94305
  Tel (650) 723-6576 **Fax** (650) 723-0121

Bio

BIO

Sara M. Krzyzaniak, MD, is a Clinical Professor of Emergency Medicine and Assistant Dean of Graduate Medical Education Leadership and Professional Development at Stanford University School of Medicine. She has held progressive leadership roles in undergraduate and graduate medical education since completing her Emergency Medicine residency training at Denver Health Medical Center. Prior to joining Stanford, she held faculty and educational leadership appointments at the University of Illinois College of Medicine. From 2020 to 2026, she served as Program Director of the Stanford Emergency Medicine Residency.

Dr. Krzyzaniak's scholarly work focuses on medical education, with particular emphasis on gender equity, learner assessment and feedback, faculty development, and leadership training within academic medicine. She has authored more than forty peer-reviewed publications, multiple book chapters, and several volumes of the Education Theory Made Practical series. Her academic contributions also include more than one hundred invited national and international presentations.

At Stanford, Dr. Krzyzaniak leads initiatives focused on developing educational leaders, strengthening graduate medical education programs, and advancing professional development across specialties. She teaches and mentors trainees and faculty at various stages of their academic careers and maintains an active portfolio of educational scholarship and institutional service. Nationally, she serves as Chair of the American College of Emergency Physicians Academic Affairs Committee and has held leadership roles within the Society for Academic Emergency Medicine. Her contributions have been recognized through multiple awards for teaching excellence, mentorship, educational scholarship, and program leadership.

CLINICAL FOCUS

- Emergency Medicine
- Medical Education
- Professional Development

ACADEMIC APPOINTMENTS

- Clinical Professor, Emergency Medicine

HONORS AND AWARDS

- Program Director Award, Graduate Medical Education, Stanford University (2024)
- National Faculty Teaching Award, American College of Emergency Physicians (2023)
- Outstanding Reviewer, Journal of Graduate Medical Education (2023)
- Outstanding Educator of the Month, Department of Emergency Medicine, Stanford University (2022)
- National Junior Faculty Teaching Award, American College of Emergency Physicians (2019)
- Mentor of the Year, University of Illinois College of Medicine Peoria, Emergency Medicine Residency (2018)
- Curriculum Innovation Award "Intern Preparedness Course", University of Illinois College of Medicine Peoria (2014)
- Teacher of the Year Award, University of Illinois College of Medicine Peoria, Emergency Medicine Residency (2014)
- Outstanding Junior Faculty Award, University of Illinois College of Medicine Peoria, Emergency Medicine Residency (2013)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Chair, Academic Affairs Committee, American College of Emergency Medicine (2025 - present)
- Member, Committee on Performance, Professionalism, and Promotion; Stanford University school of Medicine (2025 - present)
- Chair, Education Committee, Society of Academic Emergency Medicine (2024 - 2026)
- Associate Guest Editor, Western Journal of Emergency Medicine (2020 - present)
- Member, Graduate Medical Education Committee, Stanford University (2020 - present)
- Executive Board, Faculty Incubator, Academic Life in Emergency Medicine (2017 - 2024)

PROFESSIONAL EDUCATION

- Board Certification: Emergency Medicine, American Board of Emergency Medicine (2013)
- Residency: Denver Health Medical Center (2012) CO
- Medical Education: Northwestern University Feinberg School of Medicine (2008) IL
- BA, Saint Louis University , German Studies (2004)
- BA, Saint Louis University , Psychology (2004)

COMMUNITY AND INTERNATIONAL WORK

- Medical Volunteer, Event Physician, Jordan, Chile
- Pediatric Acute Surgical Support (PASS), Vietnam

Research & Scholarship

RESEARCH INTERESTS

- Assessment, Testing and Measurement
- Diversity and Identity
- Gender Issues
- Leadership and Organization
- Professional Development
- Race and Ethnicity
- Teachers and Teaching

Publications

PUBLICATIONS

- **Is Volunteerism Enough? Reflecting on the Risky Approach to Building a Qualified Workforce in Healthcare Professions Education.** *The clinical teacher*
  Cerbin-Koczorowska, M., Krzyzaniak, S.
  2026; 23 (6): e70548
- **Variability in Standardized Letters of Evaluation: A Multi-Institutional Review of EM Residency Based Versus Non-Residency Based Faculty Evaluation.** *AEM education and training*
  Gore, K., Hegarty, C. B., Beardsley, T., Krzyzaniak, S. M., Monteiro, S., Alvarez, A., Davis, T., Parsons, M., Pandey, A., Bord, S., Gottlieb, M., Mannix, A.
  2026; 10 (1): e70133
- **Development and Initial Validity Evidence for the EvaLeR Tool: Assessing Quality of Emergency Medicine Educational Resources.** *AEM education and training*
  Preiksaitis, C., Barber, R., Caretta-Weyer, H., Krzyzaniak, S., Chan, T. M., Gisondi, M. A.
  2025; 9 (3): e70063
- **Gender Representation Among Invited Physician Speakers at National Emergency Medicine Conferences.** *Annals of emergency medicine*
  Krzyzaniak, S. M., Rider, A., Moran, T. P., Davis, J. J., Gue, S., Bhat, R., Oh, L.
  2025
- **Resident clinical dashboards to support precision education in emergency medicine.** *AEM education and training*
  Moser, J. S., Genes, N., Hekman, D. J., Krzyzaniak, S. M., Layng, T. A., Miller, D., Rider, A. C., Sagalowsky, S. T., Smith, M. E., Schnapp, B. H.
  2025; 9 (Suppl 1): S29-S39
- **A practical primer on clinical supervision of learners in the emergency department.** *AEM education and training*
  Krzyzaniak, S. M., Tondt, J., Strokes, N., Hartman, N., Davis, J., Schnapp, B. H.
  2025; 9 (Suppl 1): S7-S11
- **The standardized letter of evaluation (SLOE) in emergency medicine: The internal validity of the SLOE 2.0.** *AEM education and training*
  Mannix, A., Hegarty, C. B., Bord, S., Beardsley, T., Monteiro, S., Alvarez, A., Davis, T., Gore, K., Parsons, M., Pandey, A., Krzyzaniak, S. M., Gottlieb, M.
  2025; 9 (1): e70000
- **A guide to creating an educator's portfolio for the 21st century.** *AEM education and training*
  Krzyzaniak, S. M., Coates, W. C., Gottlieb, M.
  2024; 8 (1): e10931
- **Differences in Emergency Medicine Resident Procedural Reporting by Gender in the United States.** *Journal of graduate medical education*
  Gottlieb, M., Mannix, A., Shappell, E., Jordan, J., Fix, M., Cooney, R., King, A., Krzyzaniak, S.
  2024; 16 (1): 70-74
- **Exploring How House Staff Unions Impact the Program Director-Resident Educational Alliance.** *Academic medicine : journal of the Association of American Medical Colleges*
  Krzyzaniak, S. M., Sebok-Syer, S. S., Akhtar, S., Gallahue, F.
  2024
- **Characteristics of Emergency Medicine ResidencyPrograms With Unfilled Positions inthe2023 Match.** *Annals of emergency medicine*
  Preiksaitis, C., Krzyzaniak, S., Bowers, K., Little, A., Gottlieb, M., Mannix, A., Gisondi, M. A., Chan, T. M., Lin, M.
  2023
- **Trends in point-of-care ultrasound use among emergency medicine residency programs over a 10-year period.** *AEM education and training*
  Gottlieb, M., Cooney, R., King, A., Mannix, A., Krzyzaniak, S., Jordan, J., Shappell, E., Fix, M.
  2023; 7 (2): e10853
- **Trends in emergency medicine resident procedural reporting over a 10-year period.** *AEM education and training*
  Gottlieb, M., Jordan, J., Krzyzaniak, S., Mannix, A., King, A., Cooney, R., Fix, M., Shappell, E.

2023; 7 (1): e10841

- **Education Theory Made Practical: Creating open educational resources via an apprenticeship model** *AEM EDUCATION AND TRAINING*
  Gottlieb, M., Krzyzaniak, S. M., Natesan, S., Quinn, A., Robinson, D., Fant, A., Sherbino, J., Chan, T. M.
  2022; 6 (6): e10802

- **The next generation of researchers: One-year outcome data from the SAEM Advanced Research Methodology Evaluation and Design in Medical Education (ARMED MedEd) program** *AEM EDUCATION AND TRAINING*
  Gottlieb, M., Chan, T. M., Sebok-Syer, S. S., Krzyzaniak, S., Dubosh, N. M., Santen, S., Caretta-Weyer, H., Yarris, L., Coates, W. C., Emergency Med Hlth Profession
  2022; 6 (6)

- **PASS-A course in Pediatric Acute Surgical Support to build pediatric surgical emergencies capacity in developing countries.** *Journal of pediatric surgery*
  Dinh, T., Khairallah, T., Nguyen, C., Deshpande, G., Krzyzaniak, S., Barton, G., Bohrensen, S., Vu, M. T., Holterman, A.
  2022; 57 (12): 1018-1025

- **Ethnic and Racial Differences in Ratings in the Medical Student Standardized Letters of Evaluation (SLOE).** *Journal of graduate medical education*
  Alvarez, A., Mannix, A., Davenport, D., Gore, K., Krzyzaniak, S. M., Parsons, M., Miller, D. T., Eraso, D., Monteiro, S., Chan, T. M., Gottlieb, M.
  2022; 14 (5): 549-553

- **Creating Community and Exploring Identity: Integrating a Virtual "Museum Tour" Into Intern Orientation.** *Journal of graduate medical education*
  Balhara, K. S., Weygandt, P. L., Caretta-Weyer, H., Krzyzaniak, S. M., Regan, L., Irvin, N.
  2022; 14 (3): 335-336

- **Interactions in Sociotechnical Systems: Achieving Balance in the Use of an Augmented Reality Mobile Application** *HUMAN FACTORS*
  Wooldridge, A. R., Morgan, J., Ramadhani, W. A., Hanson, K., Vazquez-Melendez, E., Kendhari, H., Shaikh, N., Riech, T., Mischler, M., Krzyzaniak, S., Barton, G., Formella, K. T., Abbott, et al
  2022: 187208221093830

- **United States 2020 Emergency Medicine Resident Workforce Analysis.** *Annals of emergency medicine*
  Bennett, C. L., Clay, C. E., Espinola, J. A., Krzyzaniak, S. M., Egan, D. J., Camargo, C. A.
  2022

- **Gender differences in emergency medicine standardized letters of evaluation.** *AEM education and training*
  Mannix, A., Monteiro, S., Miller, D., Parsons, M., Alvarez, A., Krzyzaniak, S. M., Gore, K., Eraso, D., Davenport, D., Chan, T. M., Gottlieb, M.
  2022; 6 (2): e10740

- **Use of an augmented reality application for paediatric code cart training** *BMJ INNOVATIONS*
  Hanson, K., Shaikh, N., Wooldridge, A., Kendhari, H., Krzyzaniak, S. M., Riech, T., Vazquez-Melendez, E., Mischler, M., Ebert-Allen, R., Barton, G., Formella, K., Abbott, Z., Wolfe, et al
  2021; 7 (4): 632-636

- **Unheard Voices: A Qualitative Study of Resident Perspectives on Remediation.** *Journal of graduate medical education*
  Krzyzaniak, S. M., Kaplan, B., Lucas, D., Bradley, E., Wolf, S. J.
  2021; 13 (4): 507-514

- **Walking the Line: Balancing Performance Barriers and Facilitators in an Augmented Reality Mobile Application for Pediatric Code Cart Training.** *Ergonomics*
  Wooldridge, A. R., Ramadhani, W. A., Hanson, K., Vazquez-Melendez, E., Kendhari, H., Shaikh, N., Riech, T., Mischler, M., Krzyzaniak, S., Barton, G., Formella, K. T., Abbott, Z. R., Farmer, et al
  2021: 1-33

- **Faculty development using a virtual community of practice: Three-year outcomes of the Academic Life in Emergency Medicine Faculty Incubator program.** *AEM education and training*
  Gottlieb, M., Yarris, L. M., Krzyzaniak, S. M., Natesan, S., Sherbino, J., Lin, M., Chan, T. M.
  2021; 5 (3): e10626

- **The standardized letter of evaluation in emergency medicine: Are the qualifications useful?** *AEM education and training*
  Miller, D. T., Krzyzaniak, S., Mannix, A., Alvarez, A., Chan, T., Davenport, D., Eraso, D., Foote, C. J., Gore, K., Parsons, M., Gottlieb, M.

2021; 5 (3): e10607

- **Peek at the glass ceiling: gender distribution of leadership among emergency medicine residency programs.** *Emergency medicine journal : EMJ*
  Parsons, M., Krzyzaniak, S., Mannix, A., Rocca, N., Chan, T. M., Gottlieb, M.
  2020
- **Rethinking the Approach to Continuing Professional Development Conferences in the Era of COVID-19.** *The Journal of continuing education in the health professions*
  Gottlieb, M., Egan, D. J., Krzyzaniak, S. M., Wagner, J., Weizberg, M., Chan, T.
  2020
- **Clinical Teaching: An Evidence-based Guide to Best Practices from the Council of Emergency Medicine Residency Directors** *WESTERN JOURNAL OF EMERGENCY MEDICINE*
  Natesan, S., Bailitz, J., King, A., Krzyzaniak, S. M., Kennedy, S. K., Kim, A. J., Byyny, R., Gottlieb, M.
  2020; 21 (4): 985-998
- **Sex Distribution of Editorial Board Members Among Emergency Medicine Journals.** *Annals of emergency medicine*
  Gottlieb, M., Krzyzaniak, S. M., Mannix, A., Parsons, M., Mody, S., Kalantari, A., Ashraf, H., Chan, T. M.
  2020
- **Emergency Medicine Gender in Resident Leadership Study (EM GIRLS): The Gender Distribution Among Chief Residents** *AEM Education and Training*
  Mannix, A., Parsons, M., Krzyzaniak, S., Black, L. P., Alvarez, A., Mody, S., Gottlieb, M.
  2020: 1-4
- **What Emergency Medicine Rewards: Is There Implicit Gender Bias in National Awards?** *Annals of emergency medicine*
  Krzyzaniak, S. M., Gottlieb, M., Parsons, M., Rocca, N., Chan, T. M.
  2019; 74 (6): 753-758
- **Curated Collections for Educators: Five Key Papers about Receiving Feedback in Medical Education.** *Cureus*
  Natesan, S., Stehman, C., Shaw, R., Story, D., Krzyzaniak, S. M., Gottlieb, M.
  2019; 11 (9): e5728
- **Curated Collections for Educators: Eight Key Papers about Feedback in Medical Education.** *Cureus*
  Natesan, S. M., Krzyzaniak, S. M., Stehman, C., Shaw, R., Story, D., Gottlieb, M.
  2019; 11 (3): e4164
- **Simulation-based Remediation in Emergency Medicine Residency Training: A Consensus Study.** *The western journal of emergency medicine*
  Nadir, N. A., Hart, D., Cassara, M., Noelker, J., Moadel, T., Kulkarni, M., Sampson, C. S., Bentley, S., Naik, N. K., Hernandez, J., Krzyzaniak, S. M., Lai, S., Podolej, et al
  2019; 20 (1): 145-156
- **Curated Collections for Educators: Five Key Papers about Residents as Teachers Curriculum Development.** *Cureus*
  Krzyzaniak, S. M., Cherney, A., Messman, A., Natesan, S., Overbeck, M., Schnapp, B., Boysen-Osborn, M.
  2018; 10 (2): e2154
- **Education Theory Made Practical Vol. 2**
  edited by Gottlieb, M., Chan, T. M., Krzyzaniak, S. M., Grossman, C., Robinson, D., Papanagnou, D.
  2018
- **A qualitative study of medical educators' perspectives on remediation: Adopting a holistic approach to struggling residents.** *Medical teacher*
  Krzyzaniak, S. M., Wolf, S. J., Byyny, R., Barker, L., Kaplan, B., Wall, S., Guerrasio, J.
  2017; 39 (9): 967-974
- **Curated Collections for Educators: Five Key Papers about Program Evaluation.** *Cureus*
  Thoma, B., Gottlieb, M., Boysen-Osborn, M., King, A., Quinn, A., Krzyzaniak, S., Pineda, N., Yarris, L. M., Chan, T.
  2017; 9 (5): e1224
- **Academic Primer Series: Eight Key Papers about Education Theory.** *The western journal of emergency medicine*

Gottlieb, M., Boysen-Osborn, M., Chan, T. M., Krzyzaniak, S. M., Pineda, N., Spector, J., Sherbino, J.
2017; 18 (2): 293-302

- **Transition of Care Practices from Emergency Department to Inpatient: Survey Data and Development of Algorithm.** *The western journal of emergency medicine*
  Lee, S., Jordan, J., Hern, H. G., Kessler, C., Promes, S., Krzyzaniak, S., Gallahue, F., Stettner, T., Druck, J.
  2017; 18 (1): 86-92
- **False-Negative FAST Examination: Associations With Injury Characteristics and Patient Outcomes** *ANNALS OF EMERGENCY MEDICINE*
  Laselle, B. T., Byyny, R. L., Haukoos, J. S., Krzyzaniak, S. M., Brooks, J., Dalton, T. R., Gravitz, C. S., Kendall, J. L.
  2012; 60 (3): 326-334
- **Completed suicides in Colorado: differences between Hispanics and non-Hispanic Whites.** *Suicide & life-threatening behavior*
  Betz, M. E., Krzyzaniak, S. M., Hedegaard, H., Lowenstein, S. R.
  2011; 41 (4): 445-52