



Kristin Schreiber

Professor of Anesthesiology, Perioperative & Pain Medicine (Regional Anesthesia)

Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICE (PRIMARY)

- **Anesthesia Department**

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Bio

BIO

Dr. Kristin Schreiber is a Professor and Regional Anesthesiologist whose clinical work involves caring for surgical patients in the perioperative period, and whose research work is centered around predicting and preventing Chronic Postsurgical Pain (CPSP). Her PhD in Neuroscience investigated mechanisms of spinal plasticity in the development of chronic pain states, and her translational clinical research program aims to understand which patient are at risk to develop CPSP, why, and how to best prevent it in different individuals. She employs the careful preoperative pain phenotyping, investigating factors that underlie variability in postsurgical trajectories, and testing both pharmacologic and behavioral interventions to reduce postsurgical pain. Her quantitative sensory testing lab-based studies investigate difference in pain processing, in the absence and presence of modulators of pain including regional anesthesia, placebo, distraction, and music. She has enjoyed continuous external funding from the NIH since 2015, and has held administrative roles including associate VC of Research, and VC of Faculty Development, and PI of a translational pain research training grant at Harvard Medical School. She is a handling editor at Anesthesiology, and Pain Medicine, and currently serves as the Chief of Regional Anesthesia in the Department of Anesthesiology, Perioperative, and Pain Medicine.

CLINICAL FOCUS

- Anesthesia
- Regional Anesthesia
- Chronic Pain

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Anesthesiology, Perioperative and Pain Medicine
- Member, Wu Tsai Neurosciences Institute

PROFESSIONAL EDUCATION

- Fellowship: Brigham and Women's Hospital Anesthesiology Fellowships (2014) MA
- Board Certification: Anesthesia, American Board of Anesthesiology (2013)

- Residency: Univ of Pittsburgh Anesthesiology Residency Program (2012) PA
- Medical Education: University of Minnesota Medical School Twin Cities (2007) MN

Publications

PUBLICATIONS

- **Ketamine for Acute Pain after Breast Surgery: Reply.** *Anesthesiology*
Wilson, J. M., Edwards, R. R., Schreiber, K. L.
2026
- **Progress and Pride: A Survey Study of Inclusivity for LGBTQIA+ Anesthesiologists.** *Anesthesiology*
Heintz, T. A., Sain, C. R., Hunt, M. F., Schreiber, K. L., Lasic, M.
2026
- **A systematic review of physical activity-based interventions to prevent or reduce chronic post-surgical pain.** *Pain medicine (Malden, Mass.)*
Munoz-Vergara, D., Wilson, J. M., Cronin, A. E., Park, S. J., Ma, Y., Burton, W. M., Yang, E., Dubinsky, E., Wayne, P. M., Schreiber, K. L.
2026
- **Disadvantaged Background Status and the Experiences of Academic Anesthesiologists.** *JAMA network open*
Sain, C. R., Goldsborough, E. F., Hunt, M. F., Godage, S. K., Sexton, M. T., He, J. A., Flowers Zachos, K. M., Bader, A. M., Schreiber, K. L., Lasic, M.
2026; 9 (4): e264796
- **Pre-Surgical Quantitative Sensory Testing and Post-Surgical Pain Among Adolescents Undergoing Spinal Fusion Surgery: A Longitudinal Cohort Study**
Sujan, A., Groenewald, C., Li, R., Schreiber, K., Kain, Z., Rabbitts, J.
CHURCHILL LIVINGSTONE.2026
- **Effect of perioperative autonomic nervous system imbalance on surgical outcomes: role of regional sympathetic block. Comment on Br J Anaesth 2025; 135: 608-22.** *British journal of anaesthesia*
Bombardieri, A. M., Berger, M., Schreiber, K.
2026
- **When clinical intuition fails: exploration of clinicians' underrecognition of preoperative pain catastrophizing despite direct observation** *PAIN MEDICINE*
Chen, Y. K., Wilson, J. M., Gokul, S. R., Collins, P. W., Kiik, M., Rosado, E., Vlassakov, K. V., Schreiber, K. L.
2026; 27 (5): 604-606
- **Prioritization of outcome measures in regional anesthesia research.** *Regional anesthesia and pain medicine*
El-Boghdady, K., Narouze, S., Ayad, A. E., Memtsoudis, S. G., Schreiber, K. L., Myles, P. S., Radcliffe, G., Rivett, K., Princova, Z., Adhikary, S., Albrecht, E., Bowness, J., Candido, et al
2025
- **Recommendations for disclosure of artificial intelligence in scientific writing and publishing: a regional anesthesia and pain medicine modified Delphi study.** *Regional anesthesia and pain medicine*
Fettiplace, M. R., Bhatia, A., Chen, Y., Orebaugh, S. L., Gofeld, M., Gabriel, R. A., Sessler, D. I., Lonsdale, H., Bungart, B., Cheng, C. P., Burnett, G. W., Han, L., Wiles, et al
2025
- **Mindful Meditation for Epidural Catheter Placement During Labor: A Single-Center Randomized Controlled Trial.** *Pain medicine (Malden, Mass.)*
Lumbreras-Marquez, M. I., Lazaridou, A., Villela-Franyutti, D., Fields, K. G., Farber, M. K., Nelson, E. R., Schreiber, K. L., Arce, D. Y.
2025
- **Brief Assessment of Patient Phenotype to Explain Variability in Postsurgical Pain and Opioid Consumption after Cesarean Delivery: Performance of a Novel Brief Questionnaire Compared to Long Questionnaires.** *Anesthesiology*
He, J., Wilson, J. M., Fields, K. G., Flowers Zachos, K. M., Franqueiro, A. R., Reale, S. C., Farber, M. K., Bateman, B. T., Edwards, R. R., Rathmell, J. P., Soens, M., Schreiber, K. L.
2024

- **Journal-related Activities and Other Special Activities at the 2023 American Society of Anesthesiologists Meeting** *ANESTHESIOLOGY*
Avram, M. J., Bateman, B. T., Culley, D. J., Fernandez-Bustamante, A., Houle, T. T., London, M. J., Rathmell, J. P., Schreiber, K. L., Melo, M.
2023; 139 (4): 377-386
- **Cryoneurolysis: Interest and Caution.** *Anesthesiology*
Rathmell, J. P., Forrester, J. D., Schreiber, K.
2022; 137 (5): 521-523
- **Association of pain catastrophizing longitudinally with pain severity and interference in patients with chronic pain and cancer: A CHOIR study**
Azizoddin, D., Wilson, J., Mackey, S., Flowers, K., Darnall, B., Edwards, R., Schreiber, K. L.
LIPPINCOTT WILLIAMS & WILKINS.2022: 213
- **Increased pain catastrophizing longitudinally predicts worsened pain severity and interference in patients with chronic pain and cancer: A CHOIR study.** *Psycho-oncology*
Wilson, J. M., Schreiber, K. L., Mackey, S., Flowers, K. M., Darnall, B. D., Edwards, R. R., Azizoddin, D. R.
2022
- **Chronic pain severity, impact, and opioid use among patients with cancer: An analysis of biopsychosocial factors using the CHOIR learning health care system.** *Cancer*
Azizoddin, D. R., Schreiber, K., Beck, M. R., Enzinger, A. C., Hruschak, V., Darnall, B. D., Edwards, R. R., Allsop, M. J., Tulskey, J. A., Boyer, E., Mackey, S.
2021
- **PSYCHOSOCIAL AND SOCIODEMOGRAPHIC MECHANISMS IN PAIN AND OPIOID USE AMONG CHRONIC PAIN AND CANCER**
Azizoddin, D. R., Schreiber, K., Hruschak, V., Beck, M., Enzinger, A. C., Allsop, M. J., Edwards, R. R., Darnall, B. D., Kizildag, D., Tulskey, J. A., Boyer, E. W., Mackey, S.
OXFORD UNIV PRESS INC.2021: S381
- **The ACTION-APS-AAPM Pain Taxonomy (AAAPT) Multidimensional Approach to Classifying Acute Pain Conditions** *JOURNAL OF PAIN*
Kent, M. L., Tighe, P. J., Belfer, I., Brennan, T. J., Bruehl, S., Brummett, C. M., Buckenmaier, C. C., Buvanendran, A., Cohen, R. I., Desjardins, P., Edwards, D., Fillingim, R., Gewandter, et al
2017; 18 (5): 479-489
- **The ACTION-APS-AAPM Pain Taxonomy (AAAPT) Multidimensional Approach to Classifying Acute Pain Conditions.** *Pain medicine (Malden, Mass.)*
Kent, M. L., Tighe, P. J., Belfer, I., Brennan, T. J., Bruehl, S., Brummett, C. M., Buckenmaier, C. C., Buvanendran, A., Cohen, R. I., Desjardins, P., Edwards, D., Fillingim, R., Gewandter, et al
2017; 18 (5): 947-958