

Stanford



Steven Paul Poplack

Professor of Radiology (Breast Imaging)

CLINICAL OFFICE (PRIMARY)

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Bio

CLINICAL FOCUS

- Diagnostic Radiology

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Radiology
- Member, Stanford Cancer Institute

PROFESSIONAL EDUCATION

- Board Certification: Diagnostic Radiology, American Board of Radiology (1993)
- Residency: Yale New Haven Medical Center Radiology Residency (1993) CT
- Internship: Steward Carney Hospital (1989) MA
- Medical Education: Boston University School of Medicine (1988) MA

Publications

PUBLICATIONS

- **Are You MAD (Mammographic Architectural Distortion)? Introducing Subtypes of Synthetic Mammography/Tomosynthesis-Detected Architectural Distortion: Radiating Distortion and Nonradiating Tissue Alteration.** *Journal of breast imaging*
Poplack, S. P., Hao, M., Liang, T., Dashevsky, B. Z.
2026
- **Diagnostic Axillary US: How Indication and Breast Cancer Status Impact Diagnostic Outcomes.** *Journal of breast imaging*
Yan, H. Z., Liang, T., DeMartini, W. B., Pittman, S. M., Dashevsky, B. Z., Rosen, E. L., Ikeda, D. M., Waheed, U., Lipson, J. A., Poplack, S. P.
2026
- **SCOUT Localization at Time of Lymph Node Biopsy.** *Journal of breast imaging*
Hao, M., Poplack, S. P., Bao, J., Tsai, J., Liang, T., Wong, J., Dashevsky, B. Z.
2026

- **Ultrasound-guided diffuse optical tomography: an adjunct to ultrasound that can reduce unnecessary breast biopsies.** *Breast cancer research : BCR*
Zhu, Q., Bennett, D., Hagemann, I. S., Mannix, J., Wiele, K., Luther, M., Luo, J., Poplack, S. P.
2025
- **A microneedle device for rapid dermal interstitial fluid sampling.** *Science advances*
Hung, A. H., Kamat, N. U., Bermudez, A., Boczek, S. M., Garcia-Marqués, F. J., Tan, Y. L., Hwang, J. L., Sinawang, P. D., Ilyin, D., Jacobson, G. B., Demirci, U., Poplack, S. P., Pitteri, et al
2025; 11 (39): eadx5492
- **SCOUT Radar Localization at Time of Breast Biopsy.** *Journal of breast imaging*
Dashevsky, B. Z., Muneer, M. S., Hao, M., Liang, T., Wapnir, I. L., Poplack, S. P.
2024
- **The Postoperative Breast: Imaging Findings and Diagnostic Pitfalls After Breast-Conserving Surgery and Oncoplastic Breast Surgery.** *Journal of breast imaging*
Pittman, S. M., Rosen, E. L., DeMartini, W. B., Nguyen, D. H., Poplack, S. P., Ikeda, D. M.
2024
- **Optical Breast Imaging: A Review of Physical Principles, Technologies, and Clinical Applications.** *Journal of breast imaging*
Poplack, S. P., Park, E. Y., Ferrara, K. W.
2023; 5 (5): 520-537
- **Optical Breast Imaging: A Review of Physical Principles, Technologies, and Clinical Applications** *JOURNAL OF BREAST IMAGING*
Poplack, S. P., Park, E., Ferrara, K. W.
2023; 5 (5): 520-537
- **Multishot Diffusion-Weighted MRI of the Breasts in the Supine vs. Prone Position.** *Journal of magnetic resonance imaging : JMRI*
Moran, C. J., Middione, M. J., Mazzoli, V., McKay-Nault, J. A., Guidon, A., Waheed, U., Rosen, E. L., Poplack, S. P., Rosenberg, J., Ennis, D. B., Hargreaves, B. A., Daniel, B. L.
2022
- **A comparison of the imaging appearance of breast cancer in African American women with non-Latina white women.** *Clinical imaging*
Wang, J., Chang, J., Liu, Y., Bennett, D. L., Poplack, S. P.
2022; 93: 75-82
- **Prospective assessment of adjunctive ultrasound-guided diffuse optical tomography in women undergoing breast biopsy: Impact on BI-RADS assessments.** *European journal of radiology*
Poplack, S. P., Young, C. A., Hagemann, I. S., Luo, J., Herman, C. R., Wiele, K., Li, S., Zeng, Y., Covington, M. F., Zhu, Q.
2021; 145: 110029
- **Early Assessment Window for Predicting Breast Cancer Neoadjuvant Therapy using Biomarkers, Ultrasound, and Diffuse Optical Tomography.** *Breast cancer research and treatment*
Zhu, Q., Ademuyiwa, F. O., Young, C., Appleton, C., Covington, M. F., Ma, C., Sanati, S., Hagemann, I. S., Mostafa, A., Uddin, K. M., Grigsby, I., Frith, A. E., Hernandez-Aya, et al
2021
- **The impact of adjunctive tomosynthesis on screening mammography outcomes in two widely diverse radiology practices.** *The breast journal*
Poplack, S. P., Patel, A. K., Salter, A. n., Langley Blanton, H. n., Murray, D. n., McGuire, C. n.
2020