Stanford



Alex Maurice Dussaq

Clinical Assistant Professor, Pathology

CLINICAL OFFICE (PRIMARY)

- **Pathology**

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Bio

BIO

Alex Maurice Dussaq, M.D., Ph.D., is an assistant professor of breast pathology and an associate director of pathology informatics. Dr. Dussaq holds a B.S. in Mathematics and Biochemistry from University of Nevada, Reno and an M.D./Ph.D. from University at Alabama, Birmingham. His Ph.D. focused on novel platform informatics and statistical analysis. He completed a Pathology residency and fellowships at Stanford in breast pathology and clinical informatics. Dr. Dussaq's research interests include the implementation and creation of workflow tools for surgical pathology and lab. He is particularly interested in whole slide image management systems and the future applications of artificial intelligence and large language models in pathology and medicine..

CLINICAL FOCUS

- Clinical Informatics
- Breast Pathology
- Anatomic and Clinical Pathology

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Pathology

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Pathology Fellowships (2025) CA
- Fellowship: Stanford University Clinical Informatics Fellowship (2025) CA
- Board Certification: Anatomic and Clinical Pathology, American Board of Pathology (2024)
- Residency: Stanford University Department of Pathology (2023) CA
- Medical Education: University of Alabam at Birmingham (2019)

Publications

PUBLICATIONS

- **So-called "Infiltrating Epitheliosis" Shows a Spectrum of Morphologic and Molecular Features: Is It a Precursor for Malignancy?**
  Hammer, P., Winters, C., Dussaq, A., Rutland, C., Allison, K., Bean, G.
  ELSEVIER SCIENCE INC.2025

- **Reducing Barriers to AI Deployment in Pathology: An Image Source-Agnostic AI Pipeline for Quantifying HER2 Amplification**
  Usman, M., Tokuyama, M., Bean, G., Dussaq, A., Montine, T., Phongpreecha, T., Aghaeepour, N., Yang, E.
  ELSEVIER SCIENCE INC.2025

- **Effective mitigation of blood culture bottle shortage with diagnostic stewardship interventions.** *Journal of clinical microbiology*
  Hudson, J., Rodriguez Nava, G., Sampson, M. M., Chang, A., Dussaq, A. M., Salinas, J. L., Serbest, A., Pham, T., Banaei, N.
  2025: e0170124

- **A pathologist-AI collaboration framework for enhancing diagnostic accuracies and efficiencies.** *Nature biomedical engineering*
  Huang, Z., Yang, E., Shen, J., Gratzinger, D., Eyerer, F., Liang, B., Nirschl, J., Bingham, D., Dussaq, A. M., Kunder, C., Rojansky, R., Gilbert, A., Chang-Graham, et al
  2024

- **Using a Large Language Model to Identify Adolescent Patient Portal Account Access by Guardians.** *JAMA network open*
  Liang, A. S., Vedak, S., Dussaq, A., Yao, D. H., Morse, K., Ip, W., Pageler, N. M.
  2024; 7 (6): e2418454

- **GPT-4 VS. NLP: ENHANCING CONFIDENTIALITY IN ADOLESCENT HEALTH PORTALS BY AUTOMATED DETECTION OF INAPPROPRIATE GUARDIAN ACCESS**
  Liang, A. S., Vedak, S., Dussaq, A., Yao, D., Ip, W., Pageler, N.
  SPRINGER.2024: S607-S608

- **Comparison of the solid-phase red cell adherence assay and tube method for detection and identification of red blood cell antibodies.** *American journal of clinical pathology*
  Abdelmonem, M., Dussaq, A., Papakonstantino, K., Yunce, M., Virk, M. S.
  2024

- **Rapid Deployment of Whole Slide Imaging for Primary Diagnosis in Surgical Pathology at Stanford Medicine Responding to Challenges of the COVID-19 Pandemic** *ARCHIVES OF PATHOLOGY & LABORATORY MEDICINE*
  Rojansky, R., Jhun, I., Dussaq, A. M., Chirieleison, S. M., Nirschl, J. J., Born, D., Fralick, J., Hetherington, W., Kerr, A. M., Lavezo, J., Lawrence, D. B., Lummus, S., Macasaet, et al
  2023; 147 (3): 359-367

- **Rapid Deployment of Whole Slide Imaging for Primary Diagnosis in Surgical Pathology at Stanford Medicine.** *Archives of pathology & laboratory medicine*
  Rojansky, R., Jhun, I., Dussaq, A. M., Chirieleison, S. M., Nirschl, J. J., Born, D., Fralick, J., Hetherington, W., Kerr, A. M., Lavezo, J., Lawrence, D. B., Lummus, S., Macasaet, et al
  2022