



Michael G. Ozawa

Clinical Associate Professor, Pathology

CLINICAL OFFICE (PRIMARY)

- **Surgical Pathology**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

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Bio

BIO

Dr. Ozawa is a Clinical Associate Professor of Pathology with subspecialty focus in Cytopathology, Head and Neck pathology, and Thoracic pathology. He completed his M.D., Ph.D. training at the McGovern Medical School and the M. D. Anderson Cancer Center in Houston, TX. He then completed residency training in Anatomic and Clinical Pathology followed by fellowship training in Surgical Pathology and Cytopathology at Stanford University. He is board certified in Anatomic and Clinical Pathology as well as Cytopathology. His interests include pulmonary neoplasms as well as neoplasms of the Head and Neck. He also has developed collaborative research interests in utilizing fine needle aspiration (FNA) techniques in the growing clinical application of Chimeric Antigen T Cell (CAR-T) therapy.

CLINICAL FOCUS

- Anatomic and Clinical Pathology
- Cytopathology
- Head and Neck Pathology
- Thoracic pathology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Pathology

ADMINISTRATIVE APPOINTMENTS

- Medical Director (Clinical Laboratory), Stanford Cancer Center South Bay, (2018- present)
- Associate Director, Surgical Pathology Fellowship, Stanford Medicine, Department of Pathology, (2022- present)
- Director, Surgical Pathology Fellowship, Stanford Medicine, Department of Pathology, (2023- present)

PROFESSIONAL EDUCATION

- Board Certification: Cytopathology, American Board of Pathology (2018)
- Board Certification: Cytopathology, American Board of Pathology (2018)
- Fellowship: Stanford University Cytopathology Fellowship (2018) CA

- Fellowship: Stanford University Surgical Pathology Fellowship (2017) CA
- Board Certification: Anatomic and Clinical Pathology, American Board of Pathology (2016)
- Residency: Stanford University Pathology Residency (2016) CA
- Medical Education: University of Texas Medical School at Houston Registrar (2012) TX

Publications

PUBLICATIONS

- **Single-cell multimodal analysis reveals tumor microenvironment predictive of treatment response in non-small cell lung cancer.** *Science advances*
Zheng, Y., Sadée, C., Ozawa, M., Howitt, B. E., Gevaert, O.
2025; 11 (21): eadu2151
- **A quantitative spatial cell-cell colocalizations framework enabling comparisons between in vitro assembloids and pathological specimens.** *Nature communications*
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2025; 16 (1): 1392
- **A phase I clinical trial adding OX40 agonism to in situ therapeutic cancer vaccination in patients with low-grade B cell lymphoma highlights challenges in translation from mouse to human studies.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
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2025
- **A Novel Gene Fusion YLPM1::PRKD1 Identified in a Cribriform Subtype of Polymorphous Adenocarcinoma.** *Head and neck pathology*
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2024; 18 (1): 43
- **CCL8/CCL13-producing tumor-associated macrophages linked to poor outcomes after CAR T cell therapy for LBCL** *American Society of Hematology*
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- **Spatial subsetting enables integrative modeling of oral squamous cell carcinoma multiplex imaging data.** *iScience*
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2023; 26 (12): 108486
- **A clinical trial of therapeutic vaccination in lymphoma with serial tumor sampling and single cell analysis.** *Blood advances*
Shree, T., Haebe, S. E., Czerwinski, D. K., Eckhert, E., Day, G., Sathe, A., Grimes, S. M., Frank, M. J., Maeda, L., Alizadeh, A. A., Advani, R. H., Hoppe, R. T., Long, et al
2023
- **Follicular lymphoma evolves with a surmountable dependency on acquired glycosylation motifs in the B cell receptor.** *Blood*
Haebe, S. E., Day, G., Czerwinski, D. K., Sathe, A., Grimes, S. M., Chen, T., Long, S. R., Martin, B. A., Ozawa, M. G., Ji, H. P., Shree, T., Levy, R.
2023
- **Synthetic whole-slide image tile generation with gene expression profile-infused deep generative models.** *Cell reports methods*
Carrillo-Perez, F., Pizurica, M., Ozawa, M. G., Vogel, H., West, R. B., Kong, C. S., Herrera, L. J., Shen, J., Gevaert, O.
2023; 3 (8): 100534
- **Ceramide as an endothelial cell surface receptor and a lung-specific lipid vascular target for circulating ligands.** *Proceedings of the National Academy of Sciences of the United States of America*
Staquicini, D. I., Cardó-Vila, M., Rotolo, J. A., Staquicini, F. I., Tang, F. H., Smith, T. L., Ganju, A., Schiavone, C., Dogra, P., Wang, Z., Cristini, V., Giordano, R. J., Ozawa, et al
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- **p53 governs an AT1 differentiation programme in lung cancer suppression.** *Nature*
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- **Biochemical, biophysical, and immunological characterization of respiratory secretions in severe SARS-CoV-2 infections.** *JCI insight*
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- **Constrictive Pericarditis Revealing Rare Case of ALH Amyloidosis With Underlying Lymphoplasmacytic Lymphoma (Waldenstrom Macroglobulinemia).** *JACC. Case reports*
Ho, V. V., O'Sullivan, J. W., Collins, W. J., Ozdalga, E., Bell, C. F., Shah, N. D., Krishnam, M. S., Ozawa, M. G., Witteles, R. M.
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- **The Value of Endobronchial Ultrasound Guided-Fine Needle Aspiration in Research Biobanking**
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- **Cell types of origin of the cell-free transcriptome.** *Nature biotechnology*
Vorperian, S. K., Moufarrej, M. N., Tabula Sapiens Consortium, Quake, S. R., Jones, R. C., Karkanas, J., Krasnow, M., Pisco, A. O., Quake, S. R., Salzman, J., Yosef, N., Bulthaupt, B., Brown, P., et al
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- **CDX2 expression in malignant peripheral nerve sheath tumor: A potential diagnostic pitfall associated with PRC2 inactivation.** *Histopathology*
Odeyemi, O. O., Ozawa, M. G., Charville, G. W.
2022
- **Reconstructing codependent cellular cross-talk in lung adenocarcinoma using REMI.** *Science advances*
Yu, A., Li, Y., Li, I., Ozawa, M. G., Yeh, C., Chiou, A. E., Trope, W. L., Taylor, J., Shrager, J., Plevritis, S. K.
2022; 8 (11): eabi4757
- **RNA splicing programs define tissue compartments and cell types at single cell resolution.** *eLife*
Olivieri, J. E., Dehghannasiri, R., Wang, P. L., Jang, S., de Morree, A., Tan, S. Y., Ming, J., Ruohao Wu, A., Tabula Sapiens Consortium, Quake, S. R., Krasnow, M. A., Salzman, J.
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- **CAR T cells with dual targeting of CD19 and CD22 in adult patients with recurrent or refractory B cell malignancies: a phase 1 trial.** *Nature medicine*
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- **Mammary Lobular Carcinoma-Like Salivary Gland Carcinoma: Report of a Rare Case.** *Head and neck pathology*
Lei, L., Van Staaldin, E., Troxell, M., Ozawa, M. G., Zeineh, M., Berry, G.
2021
- **A multi-scale integrated analysis identifies KRT8 as a pan-cancer early biomarker**
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- **Impact of a deep learning assistant on the histopathologic classification of liver cancer.** *NPJ digital medicine*
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- **Determining the Optimal Number of Core Needle Biopsy Passes for Molecular Diagnostics** *CARDIOVASCULAR AND INTERVENTIONAL RADIOLOGY*
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- **Synchronous Hepatoblastoma, Neuroblastoma, and Cutaneous Capillary Hemangiomas: A Case Report** *PEDIATRIC AND DEVELOPMENTAL PATHOLOGY*
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2016; 19 (1): 74-79
- **Synchronous Hepatoblastoma, Neuroblastoma, and Cutaneous Capillary Hemangiomas: A Case Report.** *Pediatric and developmental pathology*
Ozawa, M. G., Cooney, T., Rangaswami, A., Hazard, F. K.
2016; 19 (1): 74-79
- **Dasatinib-related Follicular Hyperplasia: An Underrecognized Entity With Characteristic Morphology.** *American journal of surgical pathology*
Ozawa, M. G., Ewalt, M. D., Gratzinger, D.
2015; 39 (10): 1363-1369
- **Correlation of percutaneously biopsied axillary lymph nodes marked with black tattoo ink prior to neoadjuvant chemotherapy with sentinel lymph nodes in breast cancer patients**
Choy, N., Lipson, J., Pal, S., Ikeda, D., Trinh, L., Allison, K., Ozawa, M., Wheeler, A., Wapnir, I.
AMER ASSOC CANCER RESEARCH.2015
- **The utility of IgM, CD21, HGAL and LMO2 in the diagnosis of pediatric follicular lymphoma** *HUMAN PATHOLOGY*
Karnik, T., Ozawa, M. G., Lefterova, M., Luna-Fineman, S., Alvarez, E., Link, M., Zehnder, J. L., Arber, D. A., Ohgami, R. S.
2015; 46 (4): 629-633
- **Discovery and horizontal follow-up of an autoantibody signature in human prostate cancer** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Mintz, P. J., Rietz, A. C., Cardo-Vila, M., Ozawa, M. G., Dondossola, E., Do, K., Kim, J., Troncoso, P., Logothetis, C. J., Sidman, R. L., Pasqualini, R., Arap, W.
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- **Initial results with preoperative tattooing of biopsied axillary lymph nodes and correlation to sentinel lymph nodes in breast cancer patients.** *Annals of surgical oncology*
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2015; 22 (2): 377-382
- **Initial Results With Black Ink Tattooing of Biopsied Axillary Lymph Nodes**
Choy, N. S., Lipson, J., Kierny, A., Porter, C., Ikeda, D., Pal, S., Trinh, L., Ozawa, M., Allison, K., Jensen, K., Wapnir, I.
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Rangel, R., Guzman-Rojas, L., Le Roux, L. G., Staquicini, F. I., Hosoya, H., Barbu, E. M., Ozawa, M. G., Nie, J., Dunner, K., Langley, R. R., Sage, E. H., Koivunen, E., Gelovani, et al
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 - **Cracking the code for compartment-specific dual functionality proteins in cancer The case for CRKL** *CELL CYCLE*
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2009; 69 (5): 1995-1999
 - **An unrecognized extracellular function for an intracellular adapter protein released from the cytoplasm into the tumor microenvironment** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
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 - **A hybrid vector for ligand-directed tumor targeting and molecular imaging** *CELL*
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- **Ligand-directed surface profiling of human cancer cells with combinatorial peptide libraries** *CANCER RESEARCH*
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Ozawa, M. G., Yao, V. J., Chantry, Y. H., Troncoso, P., Uemura, A., Varner, A. S., Kasman, I. M., Pasqualini, R., Arap, W., McDonald, D. M.
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- **Targeting pancreatic islets with phage display assisted by laser pressure catapult microdissection** *AMERICAN JOURNAL OF PATHOLOGY*
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