



Xiaoming Zhang

Clinical Assistant Professor, Pathology

CLINICAL OFFICE (PRIMARY)

- **Pathology**

300 Pasteur Dr Rm L235

MC 5324

Palo Alto, CA 94304

Tel (650) 498-4987

Fax (650) 725-6902

Bio

CLINICAL FOCUS

- Gynecologic Pathology
- Breast Pathology
- Anatomic and Clinical Pathology

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Pathology

PROFESSIONAL EDUCATION

- Fellowship, Stanford Medicine , Gynecology Pathology (2023)
- Fellowship, Stanford Medicine , Surgical Pathology (2022)
- Board Certification, American Board of Pathology , Anatomic & Clinical Pathology (2021)
- Residency, Hospital of the University of Pennsylvania , Anatomic and Clinical Pathology (2021)
- MD, Peking University Health Science Center (2013)

Publications

PUBLICATIONS

- **Scattering-Based Light Sheet Microscopy Imaging of HPV-Associated Squamous Lesions of the Anal Canal: A Proof-of-Principle Study.** *Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc*
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- **High-Grade Transformation of Ovarian Serous Borderline Tumors: A Series and Literature Review, Emphasizing Distinctive Morphology with Abundant Dense Eosinophilic Cytoplasm, Driver Mutations, and Extremely Dismal Prognosis**
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- **PTEN Deficiency in Tubo-Ovarian High-Grade Serous Carcinoma is Associated with Poor Progression-Free Survival and is Mutually Exclusive with CCNE1 Amplification.** *Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc*
Zhang, X., Wang, A., Han, L., Liang, B., Allard, G., Diver, E., Howitt, B. E.
2023; 36 (5): 100106
- **ASSESSING ROBUSTNESS OF AN ARTIFICIAL INTELLIGENCE DERIVED HISTOLOGICAL BIOMARKER ACROSS DIFFERENT SITES OF DISEASE AND IN SERIAL SECTIONS IN TUBOOVARIAN HIGH-GRADE SEROUS CARCINOMA**
Krishnan, R., Tiu, E., Krishna, V., Nimgaonkar, V., Bhambhani, H., O'Donoghue, O., Vrabac, D., Joshi, A., Liang, B., Zhang, X., Han, L., Wang, A., Krishna, et al
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- **PREDICTING RESPONSE TO PLATINUM-BASED CHEMOTHERAPY FOR TUBO-OVARIAN HIGHGRADE SEROUS CARCINOMA USING AN ARTIFICIAL INTELLIGENCE HISTOPATHOLOGY PLATFORM**
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- **Hepatic Macrophage Types Cluster with Disease Etiology in Chronic Liver Disease and Differ Compared to Normal Liver: Implications for Their Biologic and Diagnostic Role** *INTERNATIONAL JOURNAL OF SURGICAL PATHOLOGY*
Zhang, X., Thompkins-Johns, A., Ziober, A., Zhang, P. J., Furth, E. E.
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- **PTEN Loss in High-Grade Serous Carcinomas is Associated with Reduced Expression of Hormonal Receptors and Poor Progression-Free Survival, and Mutually Exclusive with CCNE1 Amplification**
Zhang, X., Han, L., Liang, B., Wang, A., Howitt, B.
SPRINGER NATURE.2022: 856-858
- **Keratin Granulomas in the Peritoneum on Frozen Section: A Case Report with Multiple Suspects and the Search for the Culprit.** *International journal of surgical pathology*
Katsakhyan, L., Zhang, X., Reyes, M. C., Schwartz, L. E., Haggerty, A. F., Cooper, K.
2022; 30 (1): 46-49
- **TP53 Mutation and Extraneural Metastasis of Glioblastoma: Insights From an Institutional Experience and Comprehensive Literature Review.** *The American journal of surgical pathology*
Zhang, X., Katsakhyan, L., LiVolsi, V. A., Roth, J. J., Rassekh, C. H., Bagley, S. J., Nasrallah, M. P.
2021; 45 (11): 1516-1526
- **Ionized Calcium Binding Adaptor Molecule 1 (IBA1).** *American journal of clinical pathology*
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- **Mutational spectrum in clinically aggressive low-grade serous carcinoma/serous borderline tumors of the ovary-Clinical significance of BRCA2 gene variants in genomically stable tumors.** *Gynecologic oncology*
Zhang, X., Devins, K., Ko, E. M., Reyes, M. C., Simpkins, F., Drapkin, R., Schwartz, L. E., Yoon, J. Y.
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- **Vasculitis Involving the Gastrointestinal System Is Often Incidental but Critically Important.** *American journal of clinical pathology*
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- **The significance of mucinous metaplasia in Warthin tumor: a frequent occurrence and potential pitfall.** *Human pathology*
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- **Pancreatic schwannoma, an extremely rare and challenging entity: Report of two cases and review of literature.** *Pancreatology : official journal of the International Association of Pancreatology (IAP) ... [et al.]*
Zhang, X., Siegelman, E. S., Lee, M. K., Tondon, R.
2019; 19 (5): 729-737
- **Isolated Langerhans Cell Histiocytosis of the Lacrimal Gland in Conjunction With Mucosa-Associated Lymphoid Tissue Lymphoma and Elevated IgG4 Plasma Cells.** *Ophthalmic plastic and reconstructive surgery*

- Peck, T., Bagg, A., Zhang, X., Armstrong, B., Eagle, R. C., Milman, T.
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- **[MicroRNA expression signature profile and its clinical significance in endometrioid carcinoma].** *Zhonghua bing li xue za zhi = Chinese journal of pathology*
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 - **Down-regulation of miR-145 and miR-143 might be associated with DNA methyltransferase 3B overexpression and worse prognosis in endometrioid carcinomas.** *Human pathology*
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 - **[Endometrial metaplasia].** *Zhonghua bing li xue za zhi = Chinese journal of pathology*
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 - **Analysis of 142 Northern Chinese patients with peripheral T/NK-Cell lymphomas: subtype distribution, clinicopathologic features, and prognosis.** *American journal of clinical pathology*
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 - **PIK3CA mutations in endometrial carcinomas in Chinese women: phosphatidylinositol 3'-kinase pathway alterations might be associated with favorable prognosis.** *Human pathology*
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