



Jeanne Shen

Assistant Professor of Pathology at the Stanford University Medical Center

CLINICAL OFFICES

- **Stanford Dept of Pathology**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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Bio

CLINICAL FOCUS

- Anatomic and Clinical Pathology
- Gastrointestinal Pathology
- Pancreatobiliary Pathology
- Digital Pathology

ACADEMIC APPOINTMENTS

- Assistant Professor - Med Center Line, Pathology
- Member, Bio-X
- Member, Stanford Cancer Institute

HONORS AND AWARDS

- Cancer Innovation Award, Stanford Cancer Institute (2019)
- Pathology in Precision Health Research Award, Stanford University Department of Pathology (2017)
- Best Abstract Award Runner-up, Rodger C. Haggitt GI Pathology Society (2013)
- Joseph J. and Ernesta G. Mira Scholarship, Washington University, School of Medicine (2009)
- George F. Gill Scholarship, Washington University, School of Medicine (2009)
- E.A. Marquard Memorial Student Scholarship, Washington University, School of Medicine (2008)
- Dr. Larry T. Chiang Scholarship, Washington University, School of Medicine (2006)
- President's Scholar Award, Stanford University (2001)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Abstract Review Committee Member, Gastrointestinal Pathology, United States and Canadian Academy of Pathology (USCAP) (2017 - present)
- Member, Executive Committee, Center for Artificial Intelligence in Medical Imaging (AIMI), Stanford University (2017 - present)

- Member, College of American Pathologists (2012 - present)
- Member, United States and Canadian Academy of Pathology (USCAP) (2011 - present)

PROFESSIONAL EDUCATION

- Fellowship, Stanford Byers Center for Biodesign , Faculty Fellowship (2019)
- Medical Education: Washington University in St Louis Registrar (2010) MO
- Board Certification: Anatomic and Clinical Pathology, American Board of Pathology (2014)
- Fellowship, Brigham and Women's Hospital, Harvard Medical School , Gastrointestinal and Hepatopancreatobiliary Pathology (2015)
- Residency, Brigham and Women's Hospital, Harvard Medical School , Anatomic and Clinical Pathology (2014)
- BS, Stanford University , Biological Sciences (2005)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Gastrointestinal and pancreatobiliary pathology, with major emphasis on GI and pancreatic neoplasia, inflammatory bowel disease, biodesign innovation, and the application of machine learning to digital pathology.

Publications

PUBLICATIONS

- **Impact of a deep learning assistant on the histopathologic classification of liver cancer.** *NPJ digital medicine*
Kiani, A., Uyumazturk, B., Rajpurkar, P., Wang, A., Gao, R., Jones, E., Yu, Y., Langlotz, C. P., Ball, R. L., Montine, T. J., Martin, B. A., Berry, G. J., Ozawa, et al
2020; 3: 23
- **Changes in the dielectric spectra of murine colon during neoplastic progression** *Biomedical Physics & Engineering Express*
Sabuncu*, A. C., Shen*, J., Zaki, M., Beskok, A., (*equal contribution)
2018; 4 (3): 035003
- **Pathology and Molecular Pathology of Colorectal Cancer** *Pathology and Epidemiology of Cancer: Molecular Underpinnings*
Poulin, E. J., Shen, J., Gierut, J. J., Haigis, K. M.
Springer International.2017; 1: 409–446
- **In the Thick of It: The Many Faces of Collagenous Gastritis.** *Digestive diseases and sciences*
Singh, S., Jing, E., Shen, J.
2020
- **Hispanic/Latino gastric adenocarcinoma patients have distinct molecular profiles including a high rate of germline CDH1 mutations** *Cancer Res, 2020 Apr 8. pii: canres.2918.2019 [Epub ahead of print]*
Wang, S. C., Yeu, Y., Hammer, S. T., Xiao, S., Zhu, M., Hong, C., Yoon, L. Y., Nassour, I., Shen, J., Agarwal, D., Reznik, . I., Mansour, J. C., Yopp, et al
2020
- **Plexus Convolutional Neural Network (PlexusNet): A novel neural network architecture for histologic image analysis** *ArXiv*
Eminaga, O., Abbas, M., Kunder, C., , Loening, A. M., Shen, J., Brooks, J. D., Langlotz, C. P., Rubin, D. L.
2019
- **Deep Learning for the Digital Pathologic Diagnosis of Cholangiocarcinoma and Hepatocellular Carcinoma: Evaluating the Impact of a Web-based Diagnostic Assistant** *2019 Conference on Neural Information Processing Systems (NeurIPS), Machine Learning for Health (ML4H)*
Uyumazturk, B., Kiani, A., Rajpurkar, P., Wang, A., Ball, R. L., Gao, R., Yu, Y., Jones, E., Langlotz, C. P., Martin, B., Berry, G. J., Ozawa, M. G., Hazard, et al
2019
- **SWI/SNF component ARID1A restrains pancreatic neoplasia formation.** *Gut*
Wang, S. C., Nassour, I., Xiao, S., Zhang, S., Luo, X., Lee, J., Li, L., Sun, X., Nguyen, L. H., Chuang, J., Peng, L., Daigle, S., Shen, et al
2018

- **Continuity of transcriptomes among colorectal cancer subtypes based on meta-analysis** *GENOME BIOLOGY*
Ma, S., Ogino, S., Parsana, P., Nishihara, R., Qian, Z., Shen, J., Mima, K., Masugi, Y., Cao, Y., Nowak, J. A., Shima, K., Hoshida, Y., Giovannucci, et al
2018; 19: 142
- **Clinicopathological characteristics of invasive gastric *Helicobacter pylori*** *HUMAN PATHOLOGY*
Dudley, J., Wiczorek, T., Selig, M., Cheung, H., Shen, J., Odze, R., Deshpande, V., Zukerberg, L.
2017; 61: 19-25
- **Clinical, pathologic, and outcome study of hyperplastic and sessile serrated polyps in inflammatory bowel disease** *HUMAN PATHOLOGY*
Shen, J., Gibson, J. A., Schulte, S., Khurana, H., Farraye, F. A., Levine, J., Burakoff, R., Cerda, S., Qazi, T., Hamilton, M., Srivastava, A., Odze, R. D.
2015; 46 (10): 1548-1556
- **Clinicopathologic Significance of Macrocytic Change in Esophageal Adenocarcinoma**
Setia, N., Agoston, A., Shen, J., Tippawong, M., Bueno, R., Zheng, Y., Odze, R. D., Srivastava, A.
NATURE PUBLISHING GROUP.2014: 203A
- **Hermansky-pudlak syndrome complicated by pulmonary fibrosis: radiologic-pathologic correlation and review of pulmonary complications.** *Journal of clinical imaging science*
Kelil, T., Shen, J., O'Neill, A. C., Howard, S. A.
2014; 4: 59-?
- **Clinicopathologic significance of macrocytic change in esophageal adenocarcinoma** *103rd Annual Meeting, United States and Canadian Academy of Pathology (USCAP)*
Setia, N., Agoston, A., Shen, J., Tippawong, M., Bueno, R., Zheng, Y., Odze, R. D., Srivastava, A.
2014: 203A
- **Clinical, Pathologic, and Biologic Features Associated with BRAF Mutations in Non-Small Cell Lung Cancer** *CLINICAL CANCER RESEARCH*
Cardarella, S., Ogino, A., Nishino, M., Butaney, M., Shen, J., Lydon, C., Yeap, B. Y., Sholl, L. M., Johnson, B. E., Jaenne, P. A.
2013; 19 (16): 4532-4540
- **Microsatellite Instability and BRAF Mutation Testing in Colorectal Cancer Prognostication** *JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE*
Lochhead, P., Kuchiba, A., Imamura, Y., Liao, X., Yamauchi, M., Nishihara, R., Qian, Z. R., Morikawa, T., Shen, J., Meyerhardt, J. A., Fuchs, C. S., Ogino, S.
2013; 105 (15): 1151-1156
- **Neurocandidiasis: a case report and consideration of the causes of restricted diffusion.** *Journal of radiology case reports*
Lin, D. J., Sacks, A., Shen, J., Lee, T. C.
2013; 7 (5): 1-5
- **HER2 Mutated Lung Adenocarcinoma Is a Distinct Molecular and Clinicopathologic Entity**
Shen, J., Taneja, K., Zhang, W., Dillon, D. A., Gandhi, L., Sholl, L. M.
NATURE PUBLISHING GROUP.2012: 490A
- **Prognostic Role of Combined MSI and BRAF Mutation Status in Colorectal Cancer: Toward Routine Clinical Use**
Shen, J., Morikawa, T., Fuchs, C. S., Ogino, S.
NATURE PUBLISHING GROUP.2012: 179A
- **HER2 mutated lung adenocarcinoma is a distinct molecular and clinicopathologic entity** *101st Annual Meeting of the United States and Canadian Academy of Pathology (USCAP)*
Shen, J., Taneja, K., W, Z., Dillon, D. A., Gandhi, L., Sholl, L. M.
2012: 490A
- **Prognostic role of combined MSI and BRAF mutation status in colorectal cancer: Toward routine clinical use** *101st Annual Meeting, United States and Canadian Academy of Pathology (USCAP)*
Shen, J., Morikawa, T., Kuchiba, A., Fuchs, C. S., Ogino, S.
2012: 179A
- **The persistent problem of new-onset postoperative atrial fibrillation: A single-institution experience over two decades** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Shen, J., Lall, S., Zheng, V., Buckley, P., Damiano, R. J., Schuessler, R. B.
2011; 141 (2): 559-570

- **Acute Glomerulitis with Neutrophils May Underscore the Development of Glomerular Basement Membrane Multi-Lamination in Transplant Glomerulopathy**
Gaut, J. P., Shen, J., DeGuire, M., Klein, C., Liapis, H.
NATURE PUBLISHING GROUP.2011: 344A
- **Acute glomerulitis with neutrophils may underscore the development of glomerular basement membrane multi-lamination in transplant glomerulopathy** *100th Annual Meeting, United States and Canadian Academy of Pathology (USCAP)*
Gaut, J. P., Shen, J., DeGuire, M., Klein, C., Liapis, H.
2011: 344A
- **Surgery for Lone Atrial Fibrillation: Present State-of-the-Art.** *Innovations (Philadelphia, Pa.)*
Shen, J., Bailey, M., Damiano, R. J.
2009; 4 (5): 248-255
- **The surgical treatment of atrial fibrillation** *HEART RHYTHM*
Shen, J., Bailey, M. S., Damiano, R. J.
2009; 6 (8): S45-S50
- **A temporal switch from Notch to Wnt signaling in muscle stem cells is necessary for normal adult myogenesis** *CELL STEM CELL*
Brack, A. S., Conboy, I. M., Conboy, M. J., Shen, J., Rando, T. A.
2008; 2 (1): 50-59