



Alarice Cheng-Yi Lowe

Associate Professor of Pathology

CLINICAL OFFICES

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Bio

BIO

Dr. Lowe joined the School of Medicine faculty in 2019. She received her undergraduate degree in Biology from MIT and her medical degree at UCSD, prior to residency and cytology fellowship at UCLA. In 2011, she joined the faculty at Brigham and Women's Hospital where she developed a research focus on Circulating Tumor Cells (CTCs) and the application of CTC technology to improve clinical diagnostics. Clinically, her interests focus on Cytopathology and Genitourinary Pathology.

CLINICAL FOCUS

- Anatomic and Clinical Pathology
- Cytopathology
- Fine Needle Aspiration Biopsy
- Genitourinary Pathology

ACADEMIC APPOINTMENTS

- Associate Professor - University Medical Line, Pathology
- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Fellowship: UCLA Dept of Pathology (2011) CA
- Residency: UCLA Dept of Pathology (2010) CA
- Board Certification: Anatomic and Clinical Pathology, American Board of Pathology (2010)

- Medical Education: University of California San Diego School of Medicine (2006) CA
- Specialty Certification, Ultrasound Guided Fine Needle Aspiration Biopsy Training , College of American Pathologists (2019)
- Board Certification: Cytopathology, American Board of Pathology (2011)
- Board Certification, Anatomic Pathology/Clinical Pathology , American Board of Pathology (2010)

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Yili Zhu

Publications

PUBLICATIONS

- **Target receptor identification and subsequent treatment of resected brain tumors with encapsulated and engineered allogeneic stem cells.** *Nature communications*
Bhere, D., Choi, S. H., van de Donk, P., Hope, D., Gortzak, K., Kunnummal, A., Khalsa, J., Revai Lechtich, E., Reinshagen, C., Leon, V., Nissar, N., Bi, W. L., Feng, et al
2022; 13 (1): 2810
- **Immunofluorescent and molecular characterization of effusion tumor cells reveal cancer site#of#origin and disease#driving mutations** *Cancer Cytopathology*
Zhu, Y., Wang, A., Allard, G. M., Nordberg, J. J., Nair, R. V., Kunder, C. A., Lowe, A. C.
2022
- **Identification and characterization of effusion tumor cells (ETCs) from remnant pleural effusion specimens.** *Cancer cytopathology*
Zhu, Y., Allard, G. M., Ericson, N. G., George, T. C., Kunder, C. A., Lowe, A. C.
2021
- **Circulating tumor cell analysis in locally advanced and metastatic squamous cell carcinoma of the head and neck.** *Laryngoscope investigative otolaryngology*
Harris, E. J., Huang, J., Carroll, E., Lowe, A. C., Chau, N. G., Rabinowits, G., Haddad, R., Hanna, G. J., Haddad, T., Sanborn, M., Kacew, A., Lorch, J.
2020; 5 (6): 1063-1069
- **Circulating tumor cell analysis in locally advanced and metastatic squamous cell carcinoma of the head and neck** *LARYNGOSCOPE INVESTIGATIVE OTOLARYNGOLOGY*
Harris, E. J., Huang, J., Carroll, E., Lowe, A. C., Chau, N. G., Rabinowits, G., Haddad, R., Hanna, G. J., Haddad, T., Sanborn, M., Kacew, A., Lorch, J.
2020
- **Multiplexed fluorescence in situ hybridization-based detection of circulating tumor cells: A novel liquid-based technology to facilitate accurate and early identification of non-small cell lung cancer patients.** *Cancer cytopathology*
Zhu, Y., Lowe, A. C.
2020
- **A lab-on-a-disc platform enables serial monitoring of individual CTCs associated with tumor progression during EGFR-targeted therapy for patients with NSCLC.** *Theranostics*
Lim, M., Park, J., Lowe, A. C., Jeong, H. O., Lee, S., Park, H. C., Lee, K., Kim, G. H., Kim, M. H., Cho, Y. K.
2020; 10 (12): 5181-5194
- **A lab-on-a-disc platform enables serial monitoring of individual CTCs associated with tumor progression during EGFR-targeted therapy for patients with NSCLC** *THERANOSTICS*
Lim, M., Park, J., Lowe, A. C., Jeong, H., Lee, S., Park, H., Lee, K., Kim, G., Kim, M., Cho, Y.
2020; 10 (12): 5181-94
- **Use of Deep Learning to Develop and Analyze Computational Hematoxylin and Eosin Staining of Prostate Core Biopsy Images for Tumor Diagnosis.** *JAMA network open*
Rana, A. n., Lowe, A. n., Lithgow, M. n., Horback, K. n., Janovitz, T. n., Da Silva, A. n., Tsai, H. n., Shanmugam, V. n., Bayat, A. n., Shah, P. n.

2020; 3 (5): e205111

- **Malignancy risk for solitary and multiple nodules in Hurthle cell-predominant thyroid fine-needle aspirations: A multi-institutional study** *CANCER CYTOPATHOLOGY*

Wong, K. S., Jo, V. Y., Lowe, A. C., Faquin, W. C., Renshaw, A. A., Shah, A. A., Roh, M. H., Stelow, E. B., Krane, J. F.
2019

- **Integration of rare cell capture technology into cytologic evaluation of cerebrospinal fluid specimens from patients with solid tumors and suspected leptomeningeal metastasis.** *Journal of the American Society of Cytopathology*

Torre, M., Lee, E. Q., Chukwueke, U. N., Nayak, L., Cibas, E. S., Lowe, A. C.
2019