

Stanford



Lu Yang

Instructor, Pathology

Bio

BIO

Physician-scientist with broad interests in genetics/genomics, cell biology, developmental biology, cancer, clinical pathology, bioinformatics, and computer vision.

ACADEMIC APPOINTMENTS

- Instructor, Pathology

PROFESSIONAL EDUCATION

- Residency, Stanford Health Care , Clinical Pathology (2023)
- MD/PhD, Washington University School of Medicine , Developmental Biology (2020)
- BS, Rice University , Ecology and Evolutionary Biology (2011)
- BA, Rice University , Psychology (2011)

Publications

PUBLICATIONS

- **Implementation of a Fully Automated ADAMTS13 Activity Assay Utilizing Fluorescence Resonance Energy Transfer (FRET) with a Practical Approach to Address High Background Fluorescence Interference**
Jin, J., Yang, L. M., Zehnder, J. L.
WILEY.2026
- **Mitotic chromatin compaction tethers extrachromosomal DNA to chromosomes and prevents their mis-segregation into micronuclei.** *The Journal of biological chemistry*
Yang, L. M.
2025: 111081
- **Implementation of a fully automated ADAMTS13 activity assay utilizing fluorescence resonance energy transfer with a practical approach to address high background fluorescence interference.** *American journal of clinical pathology*
Jin, J., Yang, L. M., Okwan, D., Zehnder, J. L.
2025
- **Cellular and humoral immune response to SARS-CoV-2 vaccination and booster dose in immunosuppressed patients: An observational cohort study.** *Journal of clinical virology : the official publication of the Pan American Society for Clinical Virology*
Yang, L. M., Costales, C., Ramanathan, M., Bulterys, P. L., Murugesan, K., Schroers-Martin, J., Alizadeh, A. A., Boyd, S. D., Brown, J. M., Nadeau, K. C., Nadimpalli, S. S., Wang, A. X., Busque, et al
2022; 153: 105217
- **Case-Control Study of Individuals with Discrepant Nucleocapsid and Spike Protein SARS-CoV-2 IgG Results.** *Clinical chemistry*

Wang, H. n., Wiredja, D. n., Yang, L. n., Bulterys, P. L., Costales, C. n., Röltgen, K. n., Manalac, J. n., Yee, J. n., Zehnder, J. n., Shi, R. Z., Boyd, S. D., Pinsky, B. A.
2021

- **Analysis of FGF20-regulated genes in organ of Corti progenitors by translating ribosome affinity purification** *DEVELOPMENTAL DYNAMICS*
Yang, L. M., Stout, L., Rauchman, M., Ornitz, D. M.
2020; 249 (10): 1217-1242
- **FGF20-FGFR1 signaling through MAPK and PI3K controls sensory progenitor differentiation in the organ of Corti** *DEVELOPMENTAL DYNAMICS*
Su, Y., Yang, L. M., Ornitz, D. M.
2021; 250 (2): 134-144
- **Sox2 and FGF20 interact to regulate organ of Corti hair cell and supporting cell development in a spatially-graded manner** *PLOS GENETICS*
Yang, L. M., Cheah, K. S. E., Huh, S., Ornitz, D. M.
2019; 15 (7): e1008254
- **Dermal Condensate Niche Fate Specification Occurs Prior to Formation and Is Placode Progenitor Dependent** *DEVELOPMENTAL CELL*
Mok, K., Saxena, N., Heitman, N., Grisanti, L., Srivastava, D., Muraro, M. J., Jacob, T., Sennett, R., Wang, Z., Su, Y., Yang, L. M., Ma'ayan, A., Ornitz, et al
2019; 48 (1): 32-+
- **Sculpting the skull through neurosensory epithelial-mesenchymal signaling** *DEVELOPMENTAL DYNAMICS*
Yang, L. M., Ornitz, D. M.
2019; 248 (1): 88-97
- **FGF20-Expressing, Wnt-Responsive Olfactory Epithelial Progenitors Regulate Underlying Turbinate Growth to Optimize Surface Area** *DEVELOPMENTAL CELL*
Yang, L. M., Huh, S., Ornitz, D. M.
2018; 46 (5): 564-+
- **Fgf20 governs formation of primary and secondary dermal condensations in developing hair follicles** *GENES & DEVELOPMENT*
Huh, S., Narhi, K., Lindfors, I. H., Haara, O., Yang, L., Ornitz, D. M., Mikkola, M. L.
2013; 27 (4): 450-458
- **Analysis of FGF-Dependent and FGF-Independent Pathways in Otic Placode Induction** *PLOS ONE*
Yang, L., O'Neill, P., Martin, K., Maass, J. C., Vassilev, V., Ladher, R., Groves, A. K.
2013; 8 (1): e55011