Stanford

Wilson Xuan Mai

- Postdoctoral Medical Fellow, Radiation Therapy
- Resident in Radiation Oncology - Radiation Therapy

Bio

CLINICAL FOCUS

- Cancer > Radiation Oncology
- Residency
- Radiation Biology

HONORS AND AWARDS

- ASTRO-LUNGevity Resident/Fellows in Radiation Oncology Seed Grant, American Society for Radiation Oncology (ASTRO) (7/1/2024-6/30/2025)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Society for Radiation Oncology (ASTRO) (2022 - present)
- Member, American Society of Clinical Oncology (ASCO) (2024 - present)

PROFESSIONAL EDUCATION

- MD, Columbia University Vagelos College of Physicians and Surgeons , Medicine (2021)
- PhD, University of California, Los Angeles (UCLA) , Molecular and Medical Pharmacology (2018)
- BS, University of California, Los Angeles (UCLA) , Biochemistry (2013)

Publications

PUBLICATIONS

- **Integrated molecular and functional characterization of the intrinsic apoptotic machinery identifies therapeutic vulnerabilities in glioma.** *Nature communications*
  Fernandez, E. G., Mai, W. X., Song, K., Bayley, N. A., Kim, J., Zhu, H., Pioso, M., Young, P., Andrasz, C. L., Cadet, D., Liau, L. M., Li, G., Yong, et al
  2024; 15 (1): 10089
- **A Pilot Study to Evaluate Percussive Ventilation Breathhold to Improve Lung Stereotactic Ablative Radiotherapy (PVB-SABR)**
  Mai, W., Swamy, A., Flores, K., Langer, J., Free, D., Gebeyehu, P., Skinner, L., Wong, S., Huang, K., Pranoto, A., Lao, O., Loo, B., Blomain, et al
  LIPPINCOTT WILLIAMS & WILKINS.2024: S3-S4
- **Cytoplasmic p53 couples oncogene-driven glucose metabolism to apoptosis and is a therapeutic target in glioblastoma** *NATURE MEDICINE*
  Mai, W. X., Gosa, L., Daniels, V. W., Ta, L., Tsang, J. E., Higgins, B., Gilmore, W., Bayley, N. A., Harati, M., Lee, J. T., Yong, W. H., Kornblum, H. I., Bensinger, et al
  2017; 23 (11): 1342-+
- **Emerging Approaches for Targeting Metabolic Vulnerabilities in Malignant Glioma.** *Current neurology and neuroscience reports*
  Clark, P. M., Mai, W. X., Cloughesy, T. F., Nathanson, D. A.

2016; 16 (2): 17

- **Quantitative assessments of glycolysis from single cells.** *Technology*
  Shin, Y. S., Kim, J., Johnson, D., Dooraghi, A. A., Mai, W. X., Ta, L., Chatziioannou, A. F., Phelps, M. E., Nathanson, D. A., Heath, J. R.
  2015; 3 (4): 172-178
- **Chemical methods for the simultaneous quantitation of metabolites and proteins from single cells.** *Journal of the American Chemical Society*
  Xue, M., Wei, W., Su, Y., Kim, J., Shin, Y. S., Mai, W. X., Nathanson, D. A., Heath, J. R.
  2015; 137 (12): 4066-9
- **Two-wave nanotherapy to target the stroma and optimize gemcitabine delivery to a human pancreatic cancer model in mice.** *ACS nano*
  Meng, H., Zhao, Y., Dong, J., Xue, M., Lin, Y. S., Ji, Z., Mai, W. X., Zhang, H., Chang, C. H., Brinker, C. J., Zink, J. I., Nel, A. E.
  2013; 7 (11): 10048-65
- **Codelivery of an optimal drug/siRNA combination using mesoporous silica nanoparticles to overcome drug resistance in breast cancer in vitro and in vivo.** *ACS nano*
  Meng, H., Mai, W. X., Zhang, H., Xue, M., Xia, T., Lin, S., Wang, X., Zhao, Y., Ji, Z., Zink, J. I., Nel, A. E.
  2013; 7 (2): 994-1005
- **Mesoporous silica nanoparticles: A multifunctional nano therapeutic system.** *Integrative biology : quantitative biosciences from nano to macro*
  Mai, W. X., Meng, H.
  2013; 5 (1): 19-28