Stanford



Wenhui Zhou

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CLINICAL OFFICE (PRIMARY)

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Bio

BIO

Wenhui was born in Southeast China and then immigrated to the San Francisco Bay Area as a teenager. He attended the University of California, Davis under a Regent Scholarship, and graduated with highest honors in Biochemistry and Molecular Biology. Wenhui subsequently pursued training in medicine and translational research in the Medical Scientist Training Program (MSTP) at Tufts University. In the Laboratory of Dr. Charlotte Kuperwasser, Wenhui studied the regulation and function of transcription factors in triple-negative breast cancer with the goal of improving cancer diagnosis and therapeutics. Additionally, he pursued clinical research examining image-guided ablative therapy as a front-line treatment option for renal cancer under the mentorship of Dr. Ronald Arellano at Massachusetts General Hospital. Outside of his clinical and academic interests, Wenhui enjoys food, taking walks, listening to NPR, and spending time with family and friends.

CLINICAL FOCUS

- Diagnostic Radiology

HONORS AND AWARDS

- Resident Research Grant, Radiological Society of North American (2023)
- Sam Gambhir-Phillips Fellowship, Stanford University (2023)
- Research Scholar Award, American College of Radiology- Association of University Radiologist (2023)
- Moskowitz Fund Research Award, Stanford University (2022)
- Peer’s Choice Award, Journal of Vascular and Interventional Radiology (2022)
- Trainee Research Prize, Radiological Society of North America (2020)
- Best Scientific Abstract, Society of Interventional Oncology (2020)
- Outstanding Young Investigator Award, Central Society of Clinical and Translational Research (2015)
- Charlton Research Prize, Tufts University (2014)
- National Institutes of Health (NIH) Ruth L. Kirschstein T32 Training Fellowship, National Institutes of Health (2011-2019)
- National Institutes of Health (NIH) Academy Fellowship, National Institutes of Health (2010)

- Ronald and Lydia Baskin Research Prize, University of California, Davis (2010)
- Thomas A. Bardos Science Award, American Association for Cancer Research (2010)
- Regent Scholarship, University of California, Davis (2006-2010)

PROFESSIONAL EDUCATION

- Board Certification: Diagnostic Radiology, American Board of Radiology (2025)
- Fellowship: Stanford University Radiology Fellowships (2025) CA
- Residency: Stanford University Radiology Residency (2024) CA
- Internship: California Pacific Medical Center Dept of Medicine (2020) CA
- Medical Education: Tufts University School of Medicine (2019) MA

Publications

PUBLICATIONS

- **Clinical utility and management impact of 18F-FES PET/CT for estrogen receptor positive breast cancer**
  Jinadasa, C., Menon, N., Roy, M., Beck, A., Hundal, N., Rosen, E., Fowler, A., Zhou, W.
  SPRINGER.2026: 30
- **Clinical utility and management impact of 18F-FES PET/CT for lobular breast cancer**
  Jinadasa, C., Menon, N., Roy, M., Beck, A., Hundal, N., Rosen, E., Fowler, A., Zhou, W.
  SPRINGER.2026: 36
- **Occult axillary nodal metastasis on standard-of-care imaging in invasive lobular breast cancer**
  Elzinga, K., Roy, M., Beck, A., Bodnar, N., Hundal, N., Rosen, E., Fowler, A., Zhou, W.
  SPRINGER.2026
- **A Generative Foundation Model for Chest Radiography.** *NEJM AI*
  Ji, Y., Lin, D., Wang, X., Zhang, L., Zhou, W., Ge, C., Chu, R., Yang, X., Zhao, J., Chen, J., Luo, X., Yang, S., Fang, et al
  2026; 3 (5): AIoa2500799
- **ctDNA-based liquid biopsy reveals wider mutational profile with therapy resistance and metastasis susceptibility signatures in early-stage breast cancer patients.** *The journal of liquid biopsy*
  Bharde, A., Nadagouda, S., Dongare, M., Hariramani, K., Basavalingegowda, M., Haldar, S., D'Souza, A., Jadhav, B., Prajapati, S., Jadhav, V., Joshi, S., Vasudevan, A., Uttarwar, et al
  2025; 7: 100284
- **CT-guided microwave ablation of renal cell carcinoma in a horseshoe kidney.** *Radiology case reports*
  Zhou, V., Zhou, W., Herwald, S. E., Arellano, R. S.
  2025; 20 (2): 1030-1033
- **Safety and Efficacy of Percutaneous Drain Placement for Postsurgical Breast Region Fluid Collections** *JOURNAL OF BREAST IMAGING*
  Herwald, S. E., Zhou, W., Ikeda, D., Vezeridis, A.
  2024
- **Estrogen Receptor-targeted PET Imaging for Breast Cancer.** *Radiology*
  Zhou, W., Franc, B. L., DeMartini, W. B., Rosen, E. L.
  2024; 312 (2): e240315
- **Outcomes Analysis of 90Y Radioembolization for Tumors Other Than Metastatic Colorectal Cancer from the RESiN (Radiation-Emitting SIR-spheres in Non-resectable liver tumors) Registry.** *Journal of vascular and interventional radiology : JVIR*
  Zhou, W., Du, L., Brown, D. B., Shah, R. P., Sze, D. Y.
  2024
- **Examination of genomic profile of true single circulating tumor cells (sCTC) from hepatocellular carcinoma and its effect on mutational features**

Bharde, A., Shafi, G., Dongare, M., Jadhav, V., Khutale, G., Andhari, S., Prajapati, S., Jadhav, B., Mobeen, F., Hariramani, K., Basavalingegowda, M., Deshpande, R., Zhou, et al
LIPPINCOTT WILLIAMS & WILKINS.2024

- **Study of single live circulating tumor cells capture and their genomic profile and enriched mutations of PIK3CA and HRR pathway in patients with breast cancer**
  Khandare, J., Bharde, A., Kishore, S., Andhari, S., Khutale, G., Jadhav, B., Prajapati, S., Zhou, W., Mobeen, F., Hariramani, K., Basavalingegowda, M., Jadhav, V., Uttarwar, et al
  LIPPINCOTT WILLIAMS & WILKINS.2024
- **Frequent Amplification and Overexpression of PSMA in Basallike Breast Cancer from Analysis of The Cancer Genome Atlas.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
  Zhou, W., Halder, S., Herwald, S., Ghijsen, M., Shafi, G., Uttarwar, M., Rosen, E., Franc, B., Kishore, S.
  2024
- **Combined genicular artery embolization and genicular nerve block to treat chronic pain following total knee arthroplasty.** *CVIR endovascular*
  Zhou, W., Bultman, E., Mandl, L. A., Giori, N. J., Kishore, S. A.
  2024; 7 (1): 4
- **Quantitative Breast Parenchymal Enhancement to Predict Breast Cancer Recurrence.** *Radiology*
  Zhou, W., Rahbar, H.
  2024; 310 (1): e240021
- **A Case-Based Primer on FDG PET/CT for Imaging Cardiovascular Infections: Protocol, Interpretation, and Pitfalls.**
  Zhou, W., Moradi, F., Davidzon, G., Song, H., Grady, E., Nguyen, J., Franc, B., Aparici, C., Iagaru, A., Shah, J.
  SOC NUCLEAR MEDICINE INC.2023
- **Frequency and Outcomes of Ipsilateral Axillary Lymphadenopathy After COVID-19 Vaccination.** *JAMA network open*
  Zhou, W., DeMartini, W. B., Ikeda, D. M.
  2022; 5 (6): e2216172
- **Gastric Outlet Obstruction Following Radioembolization: Extrahepatic complication from proximity to a superficial hepatic tumor treated with an ablative dose.** *Journal of vascular and interventional radiology : JVIR*
  Zhou, W., Sze, D. Y.
  2021
- **Computed Tomography-Guided Microwave Ablation of Cystic Renal Cell Carcinoma: Assessment of Technique and Complications.** *Journal of vascular and interventional radiology : JVIR*
  Zhou, W., Herwald, S. E., Arellano, R. S.
  2021; 32 (4): 544–47
- **Inflammatory Pseudotumor Mimics Local Recurrence following a Microwave Ablation of Renal Cell Carcinoma.** *Journal of vascular and interventional radiology : JVIR*
  Zhou, W., Herwald, S. E., Arellano, R. S.
  2021
- **Impact of Body Mass Index on Perioperative Complications and Oncologic Outcomes in Patients Undergoing Thermal Ablation for Renal Cell Carcinoma.** *Journal of vascular and interventional radiology : JVIR*
  Zhou, W., Herwald, S. E., Uppot, R. N., Arellano, R. S.
  2020
- **Thermal Ablation of Renal Cell Carcinoma in Morbidly Obese Patients: Assessment of Technical Results, Procedural Safety, and Oncological Outcomes.** *AJR. American journal of roentgenology*
  Zhou, W., Herwald, S. E., Uppot, R. N., Arellano, R. S.
  2020
- **Molecular regulation of Snai2 in development and disease** *JOURNAL OF CELL SCIENCE*
  Zhou, W., Gross, K. M., Kuperwasser, C.
  2019; 132 (23)

- **Loss of Slug Compromises DNA Damage Repair and Accelerates Stem Cell Aging in Mammary Epithelium** *CELL REPORTS*
  Gross, K. M., Zhou, W., Breindel, J. L., Ouyang, J., Jin, D. X., Sokol, E. S., Gupta, P. B., Huber, K., Zou, L., Kuperwasser, C.
  2019; 28 (2): 394-+

- **Radiofrequency Ablation, Cryoablation, and Microwave Ablation for T1a Renal Cell Carcinoma: A Comparative Evaluation of Therapeutic and Renal Function Outcomes** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Zhou, W., Herwald, S. E., McCarthy, C., Uppot, R. N., Arellano, R. S.
  2019; 30 (7): 1035–42

- **Risk Assessment of Chronic Kidney Disease following Microwave Ablation for Stage T1 Renal Cell Carcinoma** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Zhou, W., Herwald, S. E., Uppot, R. N., Arellano, R. S.
  2018; 29 (12): 1685–91

- **Image-Guided Thermal Ablation for Non-resectable Recurrence of Renal Cell Cancer Following Nephrectomy: Clinical Experience with Eleven Patients** *CARDIOVASCULAR AND INTERVENTIONAL RADIOLOGY*
  Zhou, W., Herwald, S. E., Uppot, R. N., Arellano, R. S.
  2018; 41 (11): 1743–50

- **Thermal Ablation of T1c Renal Cell Carcinoma: A Comparative Assessment of Technical Performance, Procedural Outcome, and Safety of Microwave Ablation, Radiofrequency Ablation, and Cryoablation** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Zhou, W., Arellano, R. S.
  2018; 29 (7): 943–51

- **CDK6 inhibits white to beige fat transition by suppressing RUNX1** *NATURE COMMUNICATIONS*
  Hou, X., Zhang, Y., Li, W., Hu, A. J., Luo, C., Zhou, W., Hu, J. K., Daniele, S. G., Wang, J., Sheng, J., Fan, Y., Greenberg, A. S., Farmer, et al
  2018; 9: 1023

- **Percutaneous Image-Guided Thermal Ablation for Multifocal Renal Cell Carcinoma: 10-Year Experience at a Single Center** *AMERICAN JOURNAL OF ROENTGENOLOGY*
  Zhou, W., Uppot, R. N., Feldman, A. S., Arellano, R. S.
  2017; 209 (4): 733–39

- **Epigenetic Reprogramming of Lineage-Committed Human Mammary Epithelial Cells Requires DNMT3A and Loss of DOT1L** *STEM CELL REPORTS*
  Breindel, J. L., Skibinski, A., Sedic, M., Wronski-Campos, A., Zhou, W., Keller, P. J., Mills, J., Bradner, J., Onder, T., Kuperwasser, C.
  2017; 9 (3): 943–55

- **Loss of RasGAP Tumor Suppressors Underlies the Aggressive Nature of Luminal B Breast Cancers** *CANCER DISCOVERY*
  Olsen, S., Wronski, A., Castano, Z., Dake, B., Malone, C., De Raedt, T., Enos, M., DeRose, Y. S., Zhou, W., Guerra, S., Loda, M., Welm, A., Partridge, et al
  2017; 7 (2): 202–17

- **Hydrodissection-Assisted Percutaneous Drainage of Deep Pelvic Abscess** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Zhou, W., Arellano, R. S.
  2017; 28 (2): 308–10

- **The SIRT2 Deacetylase Stabilizes Slug to Control Malignancy of Basal-like Breast Cancer** *CELL REPORTS*
  Zhou, W., Ni, T. K., Wronski, A., Glass, B., Skibinski, A., Beck, A., Kuperwasser, C.
  2016; 17 (5): 1302–17

- **The Histone Deacetylase Sirt2 Regulates Slug in Basal-like Breast Cancer**
  Zhou, W., Kuperwasser, C.
  FEDERATION AMER SOC EXP BIOL.2016

- **Ultra-sensitive protein detection via Single Molecule Arrays towards early stage cancer monitoring** *SCIENTIFIC REPORTS*
  Schubert, S. M., Arendt, L. M., Zhou, W., Baig, S., Walter, S. R., Buchsbaum, R. J., Kuperwasser, C., Walt, D. R.
  2015; 5: 11034

- **Migration of growth factor-stimulated epithelial and endothelial cells depends on EGFR transactivation by ADAM17** *NATURE COMMUNICATIONS*

Maretzky, T., Evers, A., Zhou, W., Swendeman, S. L., Wong, P., Rafii, S., Reiss, K., Blobel, C. P.
2011; 2: 229