

Stanford



Wenhui Zhou

- Affiliate, Dean's Office Operations - Dean Other
- Resident in Radiology

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

- Residency

HONORS AND AWARDS

- Best Scientific Abstract, Society of Interventional Oncology (2020)
- Best Oral Abstract, World Congress of Interventional Oncology (2018)
- Trainee Travel Award, Radiological Society of North America (2018)
- Outstanding Young Investigator Award, Central Society of Clinical and Translational Research (2015)
- Research Scholar, American Federation for Medical Research - Midwestern section (2015)
- Charlton Poster 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)

Publications

PUBLICATIONS

- **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