

## James Wang

Postdoctoral Scholar, Radiology

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#### STANFORD ADVISORS

- Katherine Ferrara, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **PET Imaging of *In Situ*-Engineered CAR-T Cells in B Cell Lymphoma with <sup>68</sup>Ga-PSMA-11**  
Zhang, N., Seo, J., Robinson, E., Rivera-Rodriguez, A., Wang, J., Guo, Y., Wu, B., Tumbale, S. K., Raie, M. N., Inayathullah, M., Czerwinski, D. K., Levy, R., Ferrara, et al  
CELL PRESS.2024: 69-70
- **PAM and FUS-assisted local AAV gene delivery into the brain of Alzheimer's disease murine models assessed by quantitative PET reporter gene**  
Ajenjo, J., Seo, J., Foiret, J., Wu, B., Raie, M., Wang, J., Guo, Y., Zhang, N., Tumbale, S., Ferrara, K.  
ELSEVIER SCIENCE INC.2023: S141-S142
- **Assessment of [<sup>64</sup>Cu]Cu-FAP-2286 in immunocompetent mice bearing pancreatic ductal adenocarcinoma (PDAC) tumors**  
Seo, J., Ajenjo, J., Wang, J., Wu, B., Raie, M., Tumbale, S., Ferrara, K.  
ELSEVIER SCIENCE INC.2023: S196
- **PET imaging of focused-ultrasound enhanced delivery of AAVs into the murine brain.** *Theranostics*  
Ajenjo, J., Seo, J. W., Foiret, J., Wu, B., Raie, M. N., Wang, J., Fite, B. Z., Zhang, N., Malek, R., Beinat, C., Malik, N., Anders, D. A., Ferrara, et al  
2023; 13 (15): 5151-5169
- **Combined near infrared photoacoustic imaging and ultrasound detects vulnerable atherosclerotic plaque.** *Biomaterials*  
Schneider, M. K., Wang, J., Kare, A., Adkar, S. S., Salmi, D., Bell, C. F., Alsaigh, T., Wagh, D., Coller, J., Mayer, A., Snyder, S. J., Borowsky, A. D., Long, et al  
2023; 302: 122314
- **Multimodal analysis for optimization of combined focal and immunotherapy protocols in murine pancreatic cancer.** *Theranostics*  
Wang, J., Fite, B. Z., Kare, A. J., Wu, B., Raie, M., Tumbale, S. K., Zhang, N., Davis, R. R., Tepper, C. G., Aviran, S., Newman, A. M., King, D. A., Ferrara, et al  
2022; 12 (18): 7884-7902
- **Multimodal imaging of capsid and cargo reveals differential brain targeting and liver detargeting of systemically-administered AAVs.** *Biomaterials*  
Seo, J. W., Ajenjo, J., Wu, B., Robinson, E., Raie, M. N., Wang, J., Tumbale, S. K., Buccino, P., Anders, D. A., Shen, B., Habte, F. G., Beinat, C., James, et al  
2022: 121701
- **TME subtype impacts response to combined thermal ablation and immunotherapy.**  
Wang, J., Fite, B. Z., Kare, A., Wu, B., Raie, M. N., Tumbale, S., Davis, R. R., Tepper, C. G., Ferrara, K.  
AMER ASSOC CANCER RESEARCH.2022
- **TME subtype impacts response to combined thermal ablation and immunotherapy**  
Wang, J., Fite, B. Z., Kare, A., Wu, B., Raie, M. N., Tumbale, S., Davis, R. R., Tepper, C. G., Ferrara, K.

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AMER ASSOC CANCER RESEARCH.2022

- **A Review of Imaging Methods to Assess Ultrasound-Mediated Ablation** *BMEF: A Science Partner Journal*  
Fite, B. Z., Wang, J., Ghanouni, P., Ferrara, K. W.  
2022
- **Optimization of microbubble-based DNA vaccination with low-frequency ultrasound for enhanced cancer immunotherapy.** *Advanced therapeutics*  
Zhang, N., Foiret, J., Kheirloom, A., Liu, P., Feng, Y., Tumbale, S., Raie, M., Wu, B., Wang, J., Fite, B. Z., Dai, Z., Ferrara, K. W.  
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- **Synergies between therapeutic ultrasound, gene therapy and immunotherapy in cancer treatment.** *Advanced drug delivery reviews*  
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- **Optimization of Microbubble-Based DNA Vaccination with Low-Frequency Ultrasound for Enhanced Cancer Immunotherapy** *ADVANCED THERAPEUTICS*  
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- **In situ T-cell transfection by anti-CD3-conjugated lipid nanoparticles leads to T-cell activation, migration, and phenotypic shift.** *Biomaterials*  
Kheirloom, A., Kare, A. J., Ingham, E. S., Paulmurugan, R., Robinson, E. R., Baikoghli, M., Inayathullah, M., Seo, J. W., Wang, J., Fite, B. Z., Wu, B., Tumbale, S. K., Raie, et al  
2021; 281: 121339