

## Nisi Zhang

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### Bio

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#### STANFORD ADVISORS

- Katherine Ferrara, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Pyroptosis Induction with Nanosensitizer-Augmented Sonodynamic Therapy Combined with PD-L1 Blockade Boosts Efficacy Against Liver Cancer.** *Advanced healthcare materials*  
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Zhang, N., Guo, Y., Foiret, J., Tumbale, S. K., Paulmurugan, R., Ferrara, K. W.  
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- **PAM and FUS-assisted local AAV gene delivery into the brain of Alzheimer's disease murine models assessed by quantitative PET reporter gene**  
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- **Sonogenetic control of multiplexed genome regulation and base editing.** *Nature communications*  
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- **PET imaging of focused-ultrasound enhanced delivery of AAVs into the murine brain.** *Theranostics*  
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- **Multimic analysis for optimization of combined focal and immunotherapy protocols in murine pancreatic cancer.** *Theranostics*  
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- **Optimization of microbubble-based DNA vaccination with low-frequency ultrasound for enhanced cancer immunotherapy.** *Advanced therapeutics*  
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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*  
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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- **Immune modulation resulting from MR-guided high intensity focused ultrasound in a model of murine breast cancer.** *Scientific reports*

Fite, B. Z., Wang, J., Kare, A. J., Ilovitsh, A., Chavez, M., Ilovitsh, T., Zhang, N., Chen, W., Robinson, E., Zhang, H., Kheirulomoom, A., Silvestrini, M. T., Ingham, et al  
2021; 11 (1): 927

- **Low-frequency ultrasound-mediated cytokine transfection enhances T cell recruitment at local and distant tumor sites.** *Proceedings of the National Academy of Sciences of the United States of America*

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