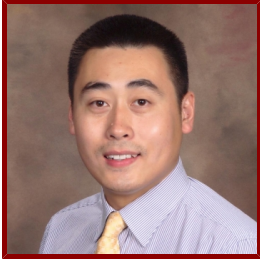


Stanford



Jinghang Xie

Instructor, Radiology - Rad/Molecular Imaging Program at Stanford

Bio

ACADEMIC APPOINTMENTS

- Instructor, Radiology - Rad/Molecular Imaging Program at Stanford

HONORS AND AWARDS

- Travel Award, World Molecular Imaging Congress-Seattle, WA (2018)
- Molecular Imaging Young Investigator (MIYI) Prize, Stanford University (2017)
- Marvin H. Malone Pharmaceutical Sciences Research Fellowship, University of the Pacific (2013)
- Graduate Seminarian of the Year, University of the Pacific (2011, 2012)

PROFESSIONAL EDUCATION

- Bachelor of Engineering, China Pharmaceutical University (2007)
- Master of Science, China Pharmaceutical University (2009)
- Doctor of Philosophy, University of the Pacific (2014)

PATENTS

- Jianghong Rao, Yunfeng Cheng, Min Chen, Jinghang Xie, Zixin Chen. "United States Patent US Patent App. 16/570,228 Caspase-3-triggered molecular self-assembling pet probes and uses thereof", Leland Stanford Junior University, Sep 13, 2019
- Jianghong Rao, Yunfeng Cheng, Jinghang Xie. "United States Patent US20170044593A1 Probes for rapid and specific detection of mycobacteria", Leland Stanford Junior University, Aug 11, 2015

Publications

PUBLICATIONS

- **Mitochondrial copper depletion suppresses triple-negative breast cancer in mice.** *Nature biotechnology*
Cui, L., Gouw, A. M., LaGory, E. L., Guo, S., Attarwala, N., Tang, Y., Qi, J., Chen, Y., Gao, Z., Casey, K. M., Bazhin, A. A., Chen, M., Hu, et al
2020
- **A Fluorogenic Trehalose Probe for Tracking Phagocytosed Mycobacterium tuberculosis.** *Journal of the American Chemical Society*
Dai, T., Xie, J., Zhu, Q., Kamariza, M., Jiang, K., Bertozzi, C. R., Rao, J.
2020
- **Exploring condensation reaction between aromatic nitriles and amino thiols to form nanoparticles in cells for imaging the activity of protease and glycosidase.** *Angewandte Chemie (International ed. in English)*
Rao, J., Chen, Z., Chen, M., Cheng, Y., Kowada, T., Xie, J., Zheng, X.
2019

- **Rapid and specific labeling of single live *Mycobacterium tuberculosis* with a dual-targeting fluorogenic probe** *SCIENCE TRANSLATIONAL MEDICINE*
Cheng, Y., Xie, J., Lee, K., Gaur, R. L., Song, A., Dai, T., Ren, H., Wu, J., Sun, Z., Banaei, N., Akin, D., Rao, J.
2018; 10 (454)
- **Methionine aminopeptidase II (MetAP2) activated in situ self-assembly of small-molecule probes for imaging prostate cancer.**
Xie, J., Rice, M., Cheng, Y., Song, G., Kunder, C., Brooks, J. D., Stoyanova, T., Rao, J.
AMER ASSOC CANCER RESEARCH.2018: 115–16
- **Intramolecular substitution uncages fluorogenic probes for detection of metallo-carbapenemase-expressing bacteria.** *Chemical science*
Song, A., Cheng, Y., Xie, J., Banaei, N., Rao, J.
2017; 8 (11): 7669–74
- **Binding studies using *Pichia pastoris* expressed human aryl hydrocarbon receptor and aryl hydrocarbon receptor nuclear translocator proteins** *PROTEIN EXPRESSION AND PURIFICATION*
Zheng, Y., Xie, J., Huang, X., Dong, J., Park, M. S., Chan, W. K.
2016; 122: 72-81
- **Quantitative detection of cells expressing BlaC using droplet-based microfluidics for use in the diagnosis of tuberculosis.** *Biomicrofluidics*
Lyu, F., Xu, M., Cheng, Y., Xie, J., Rao, J., Tang, S. K.
2015; 9 (4): 044120-?
- **A biomimetic approach for enhancing the in vivo half-life of peptides** *Nature Chemical Biology*
Sravan, P. C., Miller, M. R., Pal, A., Dong, J., Madadi, N. R., Xie, J., Joo, H., Tsai, J., Batoon, P., Samoshin, V., Franz, A., Cox, T., Miles, et al
2015; 11: 793-798
- **Differential suppression of the aryl hydrocarbon receptor nuclear translocator-dependent function by an aryl hydrocarbon receptor PAS-A-derived inhibitory molecule** *BIOCHEMICAL PHARMACOLOGY*
Xie, J., Huang, X., Park, M. S., Pham, H. M., Chan, W. K.
2014; 88 (2): 253-265
- **Identification of cyclophilin-40-interacting proteins reveals potential cellular function of cyclophilin-40** *ANALYTICAL BIOCHEMISTRY*
Park, M. S., Chu, F., Xie, J., Wang, Y., Bhattacharya, P., Chan, W. K.
2011; 410 (2): 257-265
- **Knockdown of SMYD3 by RNA interference down-regulates c-Met expression and inhibits cells migration and invasion induced by HGF** *CANCER LETTERS*
Zou, J., Wang, S., Yang, J., Luo, X., Xie, J., Xi, T.
2009; 280 (1): 78-85
- **Downregulation of survivin and activation of caspase-3 through the PI3K/Akt pathway in ursolic acid-induced HepG2 cell apoptosis** *ANTI-CANCER DRUGS*
Tang, C., Lu, Y., Xie, J., Wang, F., Zou, J., Yang, J., Xing, Y., Xi, T.
2009; 20 (4): 249-258
- **Progress on New Antibiotic Development by Activation of Silent Genes** *World Notes on Antibiotics*
Xie, J., Gu, J.
2007; 28 (4): 178-81