



## Gaoxian Chen

Postdoctoral Scholar, Cardiothoracic Surgery

### Bio

---

#### STANFORD ADVISORS

- Ngan Huang, Postdoctoral Faculty Sponsor

### Publications

---

#### PUBLICATIONS

- **Inflammation Targeting-Triggered Healing Hydrogel for In Situ Reconstruction of Colonic Mucosa.** *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*  
Chen, G., Li, X., Xu, W., Wang, H., Jiang, Y., Shi, R., Zhu, C., Xiao, Z.  
2025: e2411010
- **Generation of two induced pluripotent stem cell lines from patients suffering from pulmonary hypertension.** *Stem cell research*  
Chen, G., Orozco, L., Parmisano, S., Jahng, J. W., Vera, C. D., Zhuge, Y., Wu, J. C., Obal, D.  
2023; 72: 103218
- **Detecting and measuring of GPCR signaling - comparison of human induced pluripotent stem cells and immortal cell lines.** *Frontiers in endocrinology*  
Chen, G., Obal, D.  
2023; 14: 1179600
- **DNA-modularized construction of bivalent ligands precisely regulates receptor binding and activation** *CHEM*  
Zhao, N., Wu, W., Wang, Y., Song, K., Chen, G., Chen, Y., Wang, R., Xu, J., Cui, K., Chen, H., Tan, W., Zhang, J., Xiao, et al  
2023; 9 (4): 901-923
- **Balancing Microthrombosis and Inflammation via Injectable Protein Hydrogel for Inflammatory Bowel Disease** *ADVANCED SCIENCE*  
Hong, L., Chen, G., Cai, Z., Liu, H., Zhang, C., Wang, F., Xiao, Z., Zhong, J., Wang, L., Wang, Z., Cui, W.  
2022; 9 (20): e2200281
- **Molecular Regulation of Polymeric Raman Probes for Ultrasensitive Microtumor Diagnosis and Noninvasive Microvessel Imaging** *SMALL*  
Cui, K., Zhang, Y., Chen, G., Cui, Y., Wu, W., Zhao, N., Liu, T., Xiao, Z.  
2022; 18 (12): e2106925
- **Ultrasensitive Exosome Detection by Modularized SERS Labeling for Postoperative Recurrence Surveillance** *ACS SENSORS*  
Fan, C., Zhao, N., Cui, K., Chen, G., Chen, Y., Wu, W., Li, Q., Cui, Y., Li, R., Xiao, Z.  
2021; 6 (9): 3234-3241
- **Copper Sulfide Nanoparticle-Redirected Macrophages for Adoptive Transfer Therapy of Melanoma** *ADVANCED FUNCTIONAL MATERIALS*  
Xu, J., Zheng, B., Zhang, S., Liao, X., Tong, Q., Wei, G., Yu, S., Chen, G., Wu, A., Gao, S., Qian, Y., Xiao, Z., Lu, et al  
2021; 31 (11)
- **Artificial Cells Based on DNA Nanotechnology** *ACS APPLIED BIO MATERIALS*

- Zhao, N., Chen, Y., Chen, G., Xiao, Z.  
2020; 3 (7): 3928-3934
- **Bacterium-Mimicking Vector with Enhanced Adjuvanticity for Cancer Immunotherapy and Minimized Toxicity** *ADVANCED FUNCTIONAL MATERIALS*  
Zheng, B., Xu, J., Chen, G., Zhang, S., Xiao, Z., Lu, W.  
2019; 29 (33)
  - **Photodegradable CuS SERS Probes for Intraoperative Residual Tumor Detection, Ablation, and Self-Clearance** *ACS APPLIED MATERIALS & INTERFACES*  
Qiu, Y., Lin, M., Chen, G., Fang, C., Li, M., Gu, X., Cong, S., Zhao, Z., Fu, L., Fang, X., Xiao, Z.  
2019; 11 (26): 23436-23444
  - **Albumin tailoring fluorescence and photothermal conversion effect of near-infrared-II fluorophore with aggregation-induced emission characteristics** *NATURE COMMUNICATIONS*  
Gao, S., Wei, G., Zhang, S., Zheng, B., Xu, J., Chen, G., Li, M., Song, S., Fu, W., Xiao, Z., Lu, W.  
2019; 10: 2206
  - **CuS Nanoparticles as a Photodynamic Nanoswitch for Abrogating Bypass Signaling To Overcome Gefitinib Resistance** *NANO LETTERS*  
Gu, X., Qiu, Y., Lin, M., Cui, K., Chen, G., Chen, Y., Fan, C., Zhang, Y., Xu, L., Chen, H., Wan, J., Lu, W., Xiao, et al  
2019; 19 (5): 3344-3352
  - ***p*-Aminothiophenol Radical Reaction-Functionalized Gold Nanoprobe for One-to-All Detection of Five Reactive Oxygen Species In Vivo** *ANALYTICAL CHEMISTRY*  
Cui, K., Fan, C., Chen, G., Qiu, Y., Li, M., Lin, M., Wan, J., Cai, C., Xiao, Z.  
2018; 90 (20): 12137-12144
  - **Intraoperative Detection and Eradication of Residual Microtumors with Gap-Enhanced Raman Tags** *ACS NANO*  
Qiu, Y., Zhang, Y., Li, M., Chen, G., Fan, C., Cui, K., Wan, J., Han, A., Ye, J., Xiao, Z.  
2018; 12 (8): 7974-7985
  - **The potassium channel KCa3.1 constitutes a pharmacological target for astroglialosis associated with ischemia stroke** *JOURNAL OF NEUROINFLAMMATION*  
Yi, M., Wei, T., Wang, Y., Lu, Q., Chen, G., Gao, X., Geller, H. M., Chen, H., Yu, Z.  
2017; 14: 203
  - **Spatiotemporal delivery of nanoformulated liraglutide for cardiac regeneration after myocardial infarction** *INTERNATIONAL JOURNAL OF NANOMEDICINE*  
Qi, Q., Lu, L., Li, H., Yuan, Z., Chen, G., Lin, M., Ruan, Z., Ye, X., Xiao, Z., Zhao, Q.  
2017; 12: 4835-4848
  - **Nanoparticle-based oral delivery systems for colon targeting: principles and design strategies** *SCIENCE BULLETIN*  
Lu, L., Chen, G., Qiu, Y., Li, M., Liu, D., Hu, D., Gu, X., Xiao, Z.  
2016; 61 (9): 670-681