Stanford



Peter Xie

Ph.D. Student in Mechanical Engineering, admitted Autumn 2023

Bio

BIO

Research:

Engineer developing hydrogels for cancer immunotherapies

Publications

PUBLICATIONS

- **NFAT mediates pro-tumorigenic inflammation in cancer-associated fibroblasts in pancreatic ductal adenocarcinoma.** *Cell reports*
  Guo, C., Griffin, M. F., Morgan, A. G., Foster, D. S., Parker, J. B., Januszyk, M., Lindsay, H. G., Guardino, N. J., Reveron-Thornton, R., Xie, P. Y., Valencia, C., Kuhnert, M. M., Korah, et al
  2026; 45 (1): 116849

- **Protocol for orthotopic implantation of a collagen hydrogel to model pancreatic ductal adenocarcinoma in mice.** *STAR protocols*
  Agolia, J. P., Xie, P. Y., Korah, M., Fallah, M., Reveron-Thornton, R. F., Guo, C., Reddy, B., Sivasubramanian, R., Longaker, M. T., Chaudhuri, O., Foster, D. S., Delitto, D.
  2026; 7 (1): 104337

- **T Cells Tear Apart Confining Extracellular Matrix Via a Breaststroke-like Motion to Generate Migration Paths.** *bioRxiv : the preprint server for biology*
  Ha, B., Xie, P., Johns, B., Allan, C., Korah, M., Delitto, D., Bollyky, P., Torok, N., Chaudhuri, O.
  2025

- **Disruption of fibroblast MYD88 signaling promotes antitumor immunity in pancreatic ductal adenocarcinoma.** *Cell reports*
  Korah, M., Reveron-Thornton, R. F., Fallah, M., Xie, P. Y., Gonçalves, A., Guo, C., Agolia, J. P., Delitto, A. E., Flojo, R. A., Reddy, B., Yip, K. A., Lu, J. M., Tomasso, et al
  2025; 44 (10): 116347