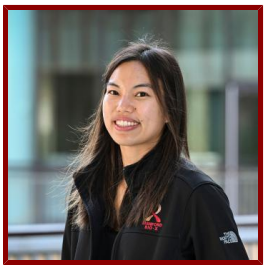
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Publications

PUBLICATIONS

- **Non-invasive control of gene editing in vivo by photoswitchable Cas12f and focused ultrasound.** *Cell*
  Song, D., Malinao, M. G., Wu, X., Jiang, S., Jiang, D., Westberg, M., Su, Y., Cai, S., Lee, D., Repina, N. A., Schaffer, D. V., Ji, H. P., Hong, et al
  2026

- **Two-Photon Excited Luminescence in Mechanoluminescent ZnS Microparticles.** *Nano letters*
  DeAnda, A. I., Xie, C., Malinao, M. G., Stolarczyk, H., Randrianalisoa, J. H., Hong, G., Qin, Z.
  2026

- **An ultrasound-scanning in vivo light source.** *Nature materials*
  Jiang, S., Malinao, M. G., Yang, F., Zeng, Y., Hou, S. S., Wu, X., Rommelfanger, N. J., Chaunsali, L., Zhao, S., Cui, H., Ding, J., Chen, X., Zhou, et al
  2026

- **Acoustic printing of conductive polymers.** *Proceedings of the National Academy of Sciences of the United States of America*
  Trepka, E., Cooper, L., Brinson, K., Thompson, S., Malinao, M. G., Rommelfanger, N. J., Fordyce, P., Hong, G.
  2025; 122 (48): e2509652122

- **Radioplasmonic absorption in a biological tissue phantom** *PHYSICAL REVIEW APPLIED*
  Rommelfanger, N. J., Malinao, M., Brinson, K., Bancroft, A. M., Hong, G.
  2025; 24 (3)

- **An ultrasound-scanningin vivolight source.** *Research square*
  Jiang, S., Malinao, M. G., Yang, F., Zeng, Y., Hou, S. S., Wu, X., Rommelfanger, N. J., Chaunsali, L., Ding, J., Chen, X., Zhou, Q., Sontheimer, H., Hong, et al
  2025

- **Force-Based Neuromodulation.** *Accounts of chemical research*
  Cooper, L., Malinao, M. G., Hong, G.
  2024

- **Electropneumotactile Stimulation: Multimodal Haptic Actuators Enabled by a Stretchable Conductive Polymer on Inflatable Pockets** *ADVANCED MATERIALS TECHNOLOGIES*
  Carpenter, C. W., Malinao, M. G., Rafeedi, T. A., Rodriquez, D., Tan, S., Root, N. B., Skelil, K., Ramirez, J., Polat, B., Root, S. E., Ramachandran, V. S., Lipomi, D. J.
  2020; 5 (6)

- **Healable thermoplastic for kinesthetic feedback in wearable haptic devices** *SENSORS AND ACTUATORS A-PHYSICAL*
  Carpenter, C. W., Tan, S., Keef, C., Skelil, K., Malinao, M., Rodriquez, D., Alkhadra, M. A., Ramirez, J., Lipomi, D. J.
  2019; 288: 79-85