Stanford



Tom (Geonho) Park

Postdoctoral Scholar, Anesthesiology, Perioperative and Pain Medicine

Bio

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- Interdisciplinary Research Award, UC San Diego (2026)
- Biomedical Science Scholarship, Asan Foundation (2026)
- Merkin Graduate Fellow, Merkin Family Foundation (2026)
- Best Poster Presentation, UC San Diego Center for Wearable Sensors (2025)
- Siebel Scholar, Siebel Foundation (2025)
- Korean Honor Scholarship, Embassy of the Republic of Korea (2025)
- Outstanding Graduate/Professional Student Peer Mentor, UC San Diego (2025)
- MOGAM-KASBP Scholarship, Korean American Society in Biotech and Pharma (2025)
- Rita L. Atkinson Graduate Fellowship, UC San Diego (2025)
- Friends of the International Center Fellowship, UC San Diego (2025)
- Humantech Paper Award, Samsung (2025)
- Accelerating Innovations to Market Award, UC San Diego (2024)
- Arthur and Janice Boni Entrepreneurial Fellowship, UC San Diego (2024)
- National Nanotechnology Entrepreneurship Challenge, National Science Foundation (2022)

PROFESSIONAL EDUCATION

- Ph.D., University of California San Diego , Chemical and Nano Engineering (2026)
- B.S., Korea Advanced Institute of Science and Technology , Chemical and Biomolecular Engineering (2021)

STANFORD ADVISORS

- Sheng Xu, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Fetal monitoring for high-risk pregnancies using a wearable ultrasound patch.** *Nature biotechnology*
  Park, G., Bian, Y., Huang, H., Zhou, S., Qin, S., Lin, M., Yang, X., Lee, A., Ramkumar, A., Tome, M., Lander, J., Chen, X., Wang, et al

2026

- **Wearable ultrasound technology** *NATURE REVIEWS BIOENGINEERING*
  Zhou, S., Park, G., Lin, M., Yang, X., Xu, S.
  2025; 3 (10): 835-854
- **Integration of chemical and physical inputs for monitoring metabolites and cardiac signals in diabetes.** *Nature biomedical engineering*
  Chang, A. Y., Lin, M., Yin, L., Reynoso, M., Ding, S., Liu, R., Dugas, Y., Casanova, A., Park, G., Li, Z., Luan, H., Askarinam, N., Zhang, et al
  2025
- **Clinical validation of a wearable ultrasound sensor of blood pressure.** *Nature biomedical engineering*
  Zhou, S., Park, G., Longardner, K., Lin, M., Qi, B., Yang, X., Gao, X., Huang, H., Chen, X., Bian, Y., Hu, H., Wu, R. S., Yue, et al
  2025; 9 (6): 865-881
- **A wearable echomyography system based on a single transducer.** *Nature electronics*
  Gao, X., Chen, X., Lin, M., Yue, W., Hu, H., Qin, S., Zhang, F., Lou, Z., Yin, L., Huang, H., Zhou, S., Bian, Y., Yang, et al
  2024; 7 (11): 1035-1046
- **A Pressure-Sensitive, Repositionable Bioadhesive for Instant, Atraumatic Surgical Application on Internal Organs.** *Advanced materials (Deerfield Beach, Fla.)*
  Nam, K. S., Kim, Y., Park, G., Hwang, K., Kim, M., Chong, J., Jeon, J., Yang, C., Lu, Y. H., Paniccia, C., Choi, J., Kim, D. G., Lee, et al
  2024: e2407116
- **Transcranial volumetric imaging using a conformal ultrasound patch.** *Nature*
  Zhou, S., Gao, X., Park, G., Yang, X., Qi, B., Lin, M., Huang, H., Bian, Y., Hu, H., Chen, X., Wu, R. S., Liu, B., Yue, et al
  2024; 629 (8013): 810-818
- **Thermally Drawn Multi-material Fibers Based on Polymer Nanocomposite for Continuous Temperature Sensing** *ADVANCED FIBER MATERIALS*
  Ryu, W., Lee, Y., Son, Y., Park, G., Park, S.
  2023; 5 (5): 1712-1724
- **A fully integrated wearable ultrasound system to monitor deep tissues in moving subjects.** *Nature biotechnology*
  Lin, M., Zhang, Z., Gao, X., Bian, Y., Wu, R. S., Park, G., Lou, Z., Zhang, Z., Xu, X., Chen, X., Kang, A., Yang, X., Yue, et al
  2023
- **A wearable cardiac ultrasound imager.** *Nature*
  Hu, H., Huang, H., Li, M., Gao, X., Yin, L., Qi, R., Wu, R. S., Chen, X., Ma, Y., Shi, K., Li, C., Maus, T. M., Huang, et al
  2023; 613 (7945): 667-675