



McKenzie White

Postdoctoral Scholar, Radiology

Bio

BIO

I work at the intersection of machine learning, medical imaging, and biomechanics. I'm committed to developing tools that bridge gaps between computational methods, musculoskeletal research, and clinical care - enabling more precise analyses, efficient workflows, and improved surgical decision-making.

STANFORD ADVISORS

- Garry Gold, Postdoctoral Research Mentor
- Akshay Chaudhari, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Dynamic Fibro-adipogenic Progenitor States Contribute to Loss of Muscle Quality After Injury in Humans**
Gonzalez-Velez, S., Keeble, A., Owen, A., Wohlgemuth, R., Thomas, N., Dobis, M., Thompson, H., White, M., Johnson, D., Stone, A., Wen, Y., Noehren, B., Fry, et al
AMER PHYSIOLOGICAL SOC.2026
- **BMI and Varus Malalignment Compound to Define a High-Risk Phenotype for Compartment-Specific Knee Osteoarthritis Progression.** *medRxiv : the preprint server for health sciences*
White, M. S., Kogan, F., Delp, S. L., Chu, C. R., Sherman, S. L., S, A. P., Gold, G. E., Chaudhari, A. S., Gatti, A. A.
2026
- **NEURAL SHAPE MODEL-BASED SCORE OUTPERFORMS CONVENTIONAL MEASURES IN QUANTIFYING EARLY AND PROGRESSIVE JOINT REMODELING IN ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTED KNEES**
Pai, S., White, M. S., Black, M. S., Young, K., Sherman, S., Chu, C., Williams, A., Gold, G., Kogan, F., Hargreaves, B., Chaudhari, A., Gatti, A.
ELSEVIER SCI LTD.2026: S271-S272
- **SEX-SPECIFIC ALTERATIONS IN THIGH MUSCLE QUALITY IN INDIVIDUALS WITH KNEE OSTEOARTHRITIS**
Belibi, F., Vainberg, Y., White, M. S., Gatti, A., Weber, K. A., Gold, G., Kogan, F., Goyal, A.
ELSEVIER SCI LTD.2026: S262-S263
- **VARUS ALIGNMENT AND BMI JOINTLY ACCELERATE MEDIAL FEMORAL CARTILAGE THINNING: DATA FROM THE OSTEOARTHRITIS INITIATIVE**
White, M. S., Kogan, F., Delp, S. L., Gold, G., Chaudhari, A., Gatti, A.
ELSEVIER SCI LTD.2026: S67-S68
- **Osteoarthritis year in review 2025: Imaging.** *Osteoarthritis and cartilage*
Harkey, M. S., Gatti, A. A., Jansen, M. P., White, M. S., Tolzman, J., Parmar, A., Frederick, I., Link, T. M., Hart, H. F.
2025