

Stanford



Ariel Hannum

Ph.D. Student in Bioengineering, admitted Autumn 2020

Bio

HONORS AND AWARDS

- American Heart Association Predoctoral Fellowship, American Heart Association (2023)
- National Science Foundation Graduate Fellowship, National Science Foundation (2020-2023)

EDUCATION AND CERTIFICATIONS

- Master of Science, Stanford University , BIOE-MS (2022)
- Bachelors of Science, University of Delaware , Biomedical Engineering (2020)

Publications

PUBLICATIONS

- **DTI-MR fingerprinting for rapid high-resolution whole-brain T1 , T2 , proton density, ADC, and fractional anisotropy mapping.** *Magnetic resonance in medicine*
Cao, X., Liao, C., Zhou, Z., Zhong, Z., Li, Z., Dai, E., Iyer, S. S., Hannum, A. J., Yurt, M., Schauman, S., Chen, Q., Wang, N., Wei, et al
2023
- **Correlated noise in brain magnetic resonance elastography** *MAGNETIC RESONANCE IN MEDICINE*
Hannum, A. J., McIlvain, G., Sowinski, D., McGarry, M. J., Johnson, C. L.
2022; 87 (3): 1313-1328
- **Arbitrary Point Tracking with Machine Learning to Measure Cardiac Strains in Tagged MRI.** *Functional imaging and modeling of the heart : ... International Workshop, FIMH ..., proceedings. FIMH*
Loecher, M., Hannum, A. J., Perotti, L. E., Ennis, D. B.
2021; 12738: 213-222