

Stanford



Mackenzie Leigh Carlson

Ph.D. Student in Bioengineering, admitted Autumn 2018

Bio

HONORS AND AWARDS

- TBI2 Fellow, Radiological Sciences Laboratory
- Graduate Research Fellowship Program, National Science Foundation

EDUCATION AND CERTIFICATIONS

- Master of Science, Stanford University , BIOE-MS (2020)
- Bachelor of Arts and Sciences, Dartmouth College , Engineering Sciences

STANFORD ADVISORS

- Michelle James, Doctoral Dissertation Advisor (AC)
- Michael Zeineh, Doctoral Dissertation Co-Advisor (NonAC)
- Alison Marsden, Doctoral (Program)

Research & Scholarship

LAB AFFILIATIONS

- Michelle James, James Lab (8/1/2019)
- Michael Zeineh, Zeineh Lab (1/1/2019)

Publications

PUBLICATIONS

- **Simultaneous FDG-PET/MRI detects hippocampal subfield metabolic differences in AD/MCI.** *Scientific reports*
Carlson, M. L., DiGiacomo, P. S., Fan, A. P., Goubran, M., Khalighi, M. M., Chao, S. Z., Vasanawala, M., Wintermark, M., Mormino, E., Zaharchuk, G., James, M. L., Zeineh, M. M.
2020; 10 (1): 12064
- **Neuroinflammation PET imaging: Current opinion and future directions.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
Jain, P., Chaney, A., Carlson, M. L., Jackson, I. M., Rao, A., James, M. L.
2020
- **A within-coil optical prospective motion-correction system for brain imaging at 7T.** *Magnetic resonance in medicine*
DiGiacomo, P. n., Maclaren, J. n., Aksoy, M. n., Tong, E. n., Carlson, M. n., Lanzman, B. n., Hashmi, S. n., Watkins, R. n., Rosenberg, J. n., Burns, B. n., Skloss, T. W., Rettmann, D. n., Rutt, et al
2020