Stanford

Isaac Mackenzie Jackson

- MD Student, expected graduation Spring 2024
- Ph.D. Student in Chemistry, admitted Autumn 2018
- MSTP Student

Publications

PUBLICATIONS

- **Development and Initial Assessment of [18F]OP-801: a Novel Hydroxyl Dendrimer PET Tracer for Preclinical Imaging of Innate Immune Activation in the Whole Body and Brain.** *Molecular imaging and biology*
  Carlson, M. L., Jackson, I. M., Azevedo, E. C., Reyes, S. T., Alam, I. S., Kellow, R., Castillo, J. B., Nagy, S. C., Sharma, R., Brewer, M., Cleland, J., Shen, B., James, et al
  2023
- **Clinical Radiosynthesis and Translation of [18F]OP-801: A Novel Radiotracer for Imaging Reactive Microglia and Macrophages.** *ACS chemical neuroscience*
  Jackson, I. M., Carlson, M. L., Beinat, C., Malik, N., Kalita, M., Reyes, S., Azevedo, E. C., Nagy, S. C., Alam, I. S., Sharma, R., La Rosa, S. A., Moradi, F., Cleland, et al
  2023
- **In Silico Approaches for Addressing Challenges in CNS Radiopharmaceutical Design.** *ACS chemical neuroscience*
  Jackson, I. M., Webb, E. W., Scott, P. J., James, M. L.
  2022
- **Radiosynthesis and initial preclinical evaluation of [11C]AZD1283 as a potential P2Y12R PET radiotracer.** *Nuclear medicine and biology*
  Jackson, I. M., Buccino, P. J., Azevedo, E. C., Carlson, M. L., Luo, A. S., Deal, E. M., Kalita, M., Reyes, S. T., Shao, X., Beinat, C., Nagy, S. C., Chaney, A. M., Anders, et al
  2022
- **TRACKING INNATE IMMUNE ACTIVATION IN A MOUSE MODEL OF PARKINSON'S DISEASE USING TREM1 AND TSPO PET TRACERS.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
  Lucot, K. L., Stevens, M. Y., Bonham, T. A., Azevedo, E. C., Chaney, A. M., Webber, E. D., Jain, P., Klockow, J. L., Jackson, I. M., Carlson, M. L., Graves, E. E., Montine, T. J., James, et al
  2022
- **A new in silico approach to revolutionize CNS PET tracer design and enhance translational success**
  Jackson, I., Luo, A., Webb, E., Stevens, M., Scott, P., James, M.
  ELSEVIER SCIENCE INC.2021: S24-S25
- **Use of 55 PET radiotracers under approval of a Radioactive Drug Research Committee (RDRC).** *EJNMMI radiopharmacy and chemistry*
  Jackson, I. M., Lee, S. J., Sowa, A. R., Rodnick, M. E., Bruton, L., Clark, M., Preshlock, S., Rothley, J., Rogers, V. E., Botti, L. E., Henderson, B. D., Hockley, B. G., Torres, et al
  2020; 5 (1): 24
- **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
- **Development of a CD19 PET tracer for detecting B cells in a mouse model of multiple sclerosis.** *Journal of neuroinflammation*
  Stevens, M. Y., Cropper, H. C., Lucot, K. L., Chaney, A. M., Lechtenberg, K. J., Jackson, I. M., Buckwalter, M. S., James, M. L.
  2020; 17 (1): 275

- **Radiolabeling and pre-clinical evaluation of a first-in-class CD19 PET Tracer for imaging B cells in multiple sclerosis**
  Stevens, M., Cropper, H., Jackson, I., Chaney, A., Lechtenberg, K., Buckwalter, M., James, M. L.
  SOC NUCLEAR MEDICINE INC.2019