

Isaac Mackenzie Jackson

- Affiliate, Department Funds
- Resident in Surgery

Publications

PUBLICATIONS

- **PET Imaging of Innate Immune Activation Using ¹¹C Radiotracers Targeting GPR84.** *JACS Au*
Kalita, M., Park, J. H., Kuo, R. C., Hayee, S., Marsango, S., Straniero, V., Alam, I. S., Rivera-Rodriguez, A., Pandrala, M., Carlson, M. L., Reyes, S. T., Jackson, I. M., Suigo, et al
2023; 3 (12): 3297-3310
- **Application of Machine Learning Driven Computational Approaches for Novel CNS PET Tracer Development**
Jackson, I., Luo, A., Webb, E., Zhang, B., Guo, A., Nagy, S., Shao, X., Kuo, R., Carlson, M., Alam, I., Rodriguez, A., Winton, W., Stauff, et al
ELSEVIER SCIENCE INC.2023: S40-S41
- **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*
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2023
- **Development and initial evaluation of a novel ¹¹C-labeled PET tracer to image GPR84 expressing-myeloid cells during neuroinflammation**
Kalita, M., Park, J., Hayee, S., Marsango, S., Carlson, M., Reyes, S., Nagy, S., Straniero, V., Pandrala, M., Jackson, I., Alam, I., Valoti, E., Milligan, et al
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- **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.
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- **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
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- **Neuroinflammation PET imaging: Current opinion and future directions.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
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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.
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