Stanford

Ates Fettahoglu

Ph.D. Student in Biomedical Physics, admitted Autumn 2024

Bio

HONORS AND AWARDS

- Alavi-Mandell Award, JNM (04/2025)
- Young Investigator Award, Alzheimer's Association (06/2024)
- Award-Winning Scientific Session Oral Presentation, ARRS (05/2024)

PATENTS

- Ates Fettahoglu, Mehdi Khalighi, Moss Yize Zhao, Michael Moseley. "United States Patent 63/525500 (filed) Determination of PET tracer arrival time using early-phase PET uptake dynamics", Leland Stanford Junior University, Jul 7, 2023
- Ates Fettahoglu, Michael Moseley, Mehdi Khalighi, Corinne Beinat. "United States Patent 63/502690 (filed) Systems and Methods of Imaging and Targeting Pyruvate Kinase M2", Leland Stanford Junior University, May 17, 2023

Publications

PUBLICATIONS

- **Association of immune checkpoint inhibitors with muscle mass and density in patients with melanoma.** *The oncologist*
  Ziolkowski, S., Matheson, B. E., Boyd, S. K., Walle, M., Gill, J., Walker, J., Salopek, T., Baker, J. F., Fettahoglu, A., Ye, C.
  2026
- **Stem cell therapy for ischemic stroke: neuroimaging approaches and evidence from a systematic review.** *Frontiers in neurology*
  Jiang, B., Zhao, M., Tong, E., Liu, Y., Fettahoglu, A., Weng, W. K., Moseley, M. E., Wintermark, M., Steinberg, G. K., Zaharchuk, G.
  2026; 17: 1718086
- **A Nonlinear Single Channel Gradient Insert for Prostate Diffusion Imaging.** *Magnetic resonance in medicine*
  Elsaid, N. M., Zhang, H. Z., Fettahoglu, A., Sun, C., De Simone, A., Nixon, T., Dewdney, A., Peters, D. C., Weinreb, J., Constable, T., Galiana, G.
  2025
- **Arterial Spin-Labeling MRI Identifies Abnormal Perfusion Metric at the Gray Matter/CSF Interface in Cerebral Small Vessel Disease.** *AJNR. American journal of neuroradiology*
  Mahammedi, A., Fettahoglu, A., Heit, J. J., Wardlaw, J. M., Zaharchuk, G.
  2025
- **Deep Learning Applications in Imaging of Acute Ischemic Stroke: A Systematic Review and Narrative Summary.** *Radiology*
  Jiang, B., Pham, N., van Staalduinen, E. K., Liu, Y., Nazari-Farsani, S., Sanaat, A., van Voorst, H., Fettahoglu, A., Kim, D., Ouyang, J., Kumar, A., Srivatsan, A., Hussein, et al
  2025; 315 (1): e240775
- **Early-Frame [18F]Florbetaben PET/MRI for Cerebral Blood Flow Quantification in Patients with Cognitive Impairment: Comparison to an [15O]Water Gold Standard.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
  Fettahoglu, A., Zhao, M., Khalighi, M., Vossler, H., Jovin, M., Davidzon, G., Zeineh, M., Boada, F., Mormino, E., Henderson, V. W., Moseley, M., Chen, K. T., Zaharchuk, et al

2023

- **Short- and Long-Term MRI Assessed Hemodynamic Changes in Pediatric Moyamoya Patients After Revascularization.** *Journal of magnetic resonance imaging : JMRI*
  Zhao, M. Y., Tong, E., Duarte Armindo, R., Fettahoglu, A., Choi, J., Bagley, J., Yeom, K. W., Moseley, M., Steinberg, G. K., Zaharchuk, G.
  2023
- **Multimodal Perfusion PET/MR Imaging with [18F]-Labeled FDG, FBB and PI-2620 within the AT(N) Framework**
  Fettahoglu, A., Zhao, M. Y., Mormino, E., Zeineh, M., Moseley, M., Zaharchuk, G.
  2023
- **Determination of PET Tracer Arrival Time (TAT) in the Brain Using Early-Phase Uptake Dynamics: Conmparison to Simultaneous ASL Arterial Transit Time (ATT)**
  Fettahoglu, A., Khalighi, M., Zhao, M. Y., Moseley, M., Zaharchuk, G.
  ISMRM Workshop on PET/MRI.2023
- **Eddy-current characterization and pre-emphasis on a compact inside-out nonlinear gradient** *ISMRM*
  Fettahoglu, A., Zhang, H., Elsaid, N., Galiana, G.
  ISMRM.2023
- **Validation of early-frame [18F]FDG PET for CBF quantification: Comparison to simultaneous eASL measurements in memory patients**
  Fettahoglu, A., Zhao, M. Y., Chen, K., Khalighi, M., Zeineh, M., Mormino, E., Moseley, M., Zaharchuk, G.
  AAIC.2023
- **Dual-phase PET for Cerebral Blood Flow Quantification & Amyloid Imaging Using [18F]Florbetaben: Validation Against a Gold Standard [15O]Water** *ISMRM Workshop on PET/MRI*
  Fettahoglu, A., Zhao, M. Y., Khalighi, M., Mormino, E., Chen, K., Moseley, M., Zaharchuk, G.
  Proc. ISMRM Workshop on PET/MRI 2023.2023
- **Analysis of gas breakdown and electrostatic simulation characteristics of a Spherical Inertial Electrostatic Confinement Fusion Chamber (SIEC-K)** *Journal of Nuclear Sciences*
  Fettahoglu, A.
  2021