Stanford



Israt Alam

Affiliate, Neurology Research

Bio

BIO

Research Focus and interests: Molecular Imaging, Clinical Translation, Graft versus Host Disease, Spatial Biology, Immune-Theragnostics

Dr. Israt Alam is a Senior Scientist in the Radiology Department at Stanford University. She trained in Prof. Sanjiv Sam Gambhir's lab and transitioned to Dr. Michelle James' lab in 2021. Her research focuses on studying lymphocyte activation and developing non-invasive imaging tools, to monitor immune dynamics in response to cancer immunotherapy and in immunopathology. Her work has supported the clinical translation of several nuclear imaging agents (small molecules and a biologic) for early detection of cancer and prediction of treatment response, that are being evaluated in oncology trials around the world. She is currently leading the IND-enabling studies for a first in class PET tracer for T cell activation and has supported several biomarker detection platforms for early disease detection. She serves as Co-Chair of the "Imaging in cell and immune therapies" (ICIT) interest group for the World Molecular Imaging Society (WMIS).

Key funding: (grant conceptualization/scientific lead): NIH/NCI R01, Pfizer Inc., SNMMI Education and Research Foundation

Appointments:

-Senior Research Scientist, James Lab, Department of Radiology, Stanford
-Life Sciences Research Associate, Gambhir Lab, Department of Radiology, Stanford
-Post-Doctoral Scholar, Gambhir Lab, Department of Radiology, Stanford
-Churchill Travel Fellow in the Plateforme d'imagerie dynamique lab of Prof. Spencer Shorte, Pasteur Institute, Paris
-Science Education Consultant: United Nations Educational, Science and Cultural Organization (UNESCO), Paris
-Science Education Intern: United Nations Educational, Science and Cultural Organization (UNESCO), Paris