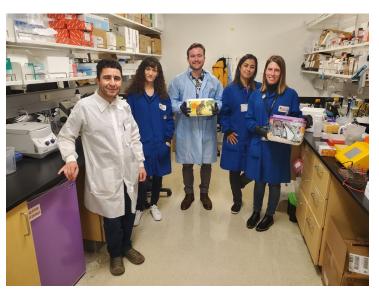# Nuclear Medicine and Diagnostic Imaging

Training Summary:

I did a fellowship at Stanford University on Nuclear medicine and diagnostic imaging. The objective of the fellowship was to gain insight of a laboratory focused on translational research of new radio pharmaceuticals, focusing mainly on clinical evaluation studies.

The knowledge was obtained while working with techniques such as: small animal Positron Emission Tomography (PET), PET / Computed Tomography (CT) and Magnetic resonance imaging (MRI) imaging; flow cytometry; binding assays; animal handling; brain microsurgery (rats and mice); tumor implantation; weternblot. Also, on other techniques like; protein quantification; T-cells maintenance and activation; cell culture and staining; primary cell isolation and culture.

The training courses I took were on: Radiation Safety Refresher Training; Working with Radioactive materials; Protecting patient privacy; Covid-19 hygiene best practices; blood borne pathogens program; and bio safety.

What's Next:

This training provided me with a clear understanding of new tracer development and translational research. Following all the steps from preclinical assays to clinical trials, including legal requirements and paperwork. I will contribute towards improving and implementing preclinical assay in my institute.

Marina Silveira - Brazil
Hosted by Stanford University