

Research Fellow/ Senior Research Fellow (Code: OR/CSCB/AMC)

The Duke-NUS Laboratory for Translational and Molecular Imaging (LTMI), Duke-NUS Medical School, is recruiting a **Research Fellow/Senior Research Fellow** specializing in Nuclear Imaging within the Immuno-Oncology domain.

The successful candidate will lead pre-clinical imaging efforts to validate novel imaging probes that target immune cell biomarkers. He/She will be responsible for the strategic planning, execution and communication of research. Candidates with strong records of scientific accomplishment in radiopharmaceutical sciences, immunology or related disciplines are encouraged to apply.

Areas of Responsibility

- Lead development of nude, syngeneic, and humanized mouse tumour models, with characterisation of immunophenotype with treatment response
- Collaborate on *in vivo* imaging strategies for pre-clinical characterisation of targeting probe specificity and sensitivity with PET/CT, SPECT/CT and/or optical imaging
- Monitor immune response to immunotherapies with longitudinal imaging assessments, supported with IHC, FACS
- Ensure regulatory compliance of research, including legal and ethical requirements
- Ensure timely reporting and presentation of study results to the team, and making appropriate decisions on data obtained from imaging studies
- Write and review research papers, and present at local and international conferences
- Provide guidance and mentorship to junior researchers, graduate and/or undergraduate students
- Effective abilities in organization/project management abilities to efficiently manage time and work activities

Minimum Requirements

- PhD in Immunology/Radiopharmaceutical sciences or related disciplines
- Experience in multimodality imaging and image analysis (including PET, SPECT, CT and fluorescence) within the immuno-oncology domain is preferred
- Background in molecular biology, cell biology and oncology is desirable
- Experience in mouse studies (injection, anatomy, necropsy, pathology) is an advantage
- Have a track record of academic publications, including writing/drafting first author papers
- Be self-motivated individual, enthusiastic to take initiatives and work independently, yet collaboratively in a team.
- Demonstrate excellent communication, technical independence, analytical and problem solving skills
- Enjoy team-work and collaboration

Interested Applicants are required to submit their CV and Reference Letters. Incomplete applications will not be considered.