

BRACCO FELLOWSHIPS - EDUCATION IN RESEARCH

Project 3:

Improving quantitative imaging in assessing cancer using whole body MRI

NAME OF INSTITUTION: King's College London / Guy's & St Thomas' Hospitals, London/UNITED KINGDOM

RESEARCH GROUP AND ITS MISSION:

Our research is dedicated to improving the effectiveness of cancer treatment through innovative imaging technology. A highly collaborative department, we work closely with national and international institutions and industry leaders to personalize cancer treatment for each patient. Please refer to the link below for more information:

<https://www.kcl.ac.uk/bmeis/our-departments/cancer-imaging>

OBJECTIVES:

- To develop whole body MRI quantitative metrics to assess disease burden and changes on therapy

APPLICANT'S DUTIES:

- To undertake image analysis of WB-MRI
- To learn to apply statistical tests to imaging data to test study hypotheses
- To learn to present data in oral and written format

APPLICANT'S BENEFITS:

- Participation on scientific outcomes of the project i.e. presentations to congresses or publications of papers
- Learning the steps required to deliver a research project successfully within a high-output clinical research team
- Be exposed to advanced post processing techniques including radiomics and artificial intelligence techniques for quantitative imaging

Project Leader: Vicky Goh

Members: Olwen Westerland, Ashik Amlani, Isabel Dregely, Renne Gu