

BRACCO FELLOWSHIPS - EDUCATION IN RESEARCH

Project 6:

Neuro-oncology / Neurovascular

NAME OF INSTITUTION: King's College Hospital, London/UNITED KINGDOM

RESEARCH GROUP AND ITS MISSION:

Thomas C. Booth is a Senior Lecturer in Neuroimaging in the School of Biomedical Engineering & Imaging Sciences at King's College London, UK. He is also an Honorary Consultant Diagnostic and Interventional Neuroradiologist at King's College Hospital, London, UK. His interests are in neuro-oncology, neurovascular and incidental finding research. He first started to enjoy metabolic imaging and machine learning during his PhD at the University of Cambridge, UK. Here, his focus was on brain tumour treatment response assessment using brain tumour MRI structural images – something he continues to research now as he is reminded continuously how important neuro-oncology diagnostics are when presenting patients at the neuro-oncology multi-disciplinary team meetings in a busy London teaching hospital. On the neurovascular side, stroke imaging and aneurysm procedural work have also become areas of much research interest and he is working towards running a multicentre randomised controlled trial. For several years he has also researched incidental findings - both in terms of ethical/legal aspects as well as detection applied to neuroimaging. He looks forward to collaborating with the outstanding researcher colleagues at King's College London and welcomes potential PhD students and Fellows to get in touch.

He sits on the National Cancer Research Institute Brain Tumour Committee and the Royal College of Radiologists Academic Committee. He was an awardee of the inaugural Royal College of Radiologists Outstanding Researcher Award.

If you are interested in a project based at King's I strongly suggest you discuss with my previous ESOR (incl. Bracco) scholars as they will give you the insight into coming to this centre from abroad. My email is tombooth@doctors.org.uk

OBJECTIVES:

- Learn in depth a new area of neuroradiology
- Complete project

- Present poster/presentation at International Meeting
- Possible paper depending on findings

APPLICANT'S DUTIES:

- Complete project
- Daily attendance during working week

APPLICANT'S BENEFITS:

- Participation on scientific outcomes of the project i.e. presentations to congresses or publications of papers
- Learn in depth a new area of neuroradiology
- Present poster/presentation at International Meeting
- Possible paper depending on findings

Project Leader: Thomas C. Booth

Members: Will depend on area of interest and aptitude (could involve data science/physics/or other neuro-related clinical specialties)