Research Associate

King’s Perinatal Imaging and Health
Ref. 005166
The salary will be paid at Grade 6, £37,412 - £39,484 per annum, inclusive of £3,223 per annum London Allowance.
This post will be offered on a fixed-term contract for 27 months.
This is a full-time post – 100% full time equivalent.

We are seeking an ambitious and enthusiastic Postdoctoral Research Associate for 2 years and 3 months to join an exciting Action Medical Research (AMR) funded project based in the Department of Perinatal Imaging & Health, King’s College London.

This role will be to work on the research project ‘In-vivo MRS measurement of GABA in infants at high risk of neurodevelopmental disorders’.

The aim of this project is to study how neurotransmitter levels are altered in newborn infants at high risk of developing neurodevelopmental disorders such as Autism Spectrum Disorder using Magnetic Resonance Spectroscopy (MRS). Acquiring high quality MR data from this population is challenging due to their level of cooperation and intrinsic differences in the size and composition of the brain.

The role holder will have a background and PhD in MR physics and experience with MRS methods. They will be responsible for the sequence optimisation and development; data analysis; and dissemination of the research work. In addition to carrying out this work with infants on a 3 Tesla MR scanner, the role holder will also be involved in developing the acquisition methods for the first-ever studies in babies at 7 Tesla on a new MR scanner which is due to be installed at King’s College London in the first months of 2019.

The selection process will include a panel interview.

Dr Tomoki Arichi, MRC Clinician Scientist and Senior Lecturer, on tomoki.arichi@kcl.ac.uk

Or

Dr Enrico De Vita, Reader in MR Physics on Enrico.devita@kcl.ac.uk.

To apply, please go to: https://bit.ly/2E8KaAr and register with the King’s College London application portal and complete your application online.

Closing date: 9th November 2018.