

**Programme 19 – Neurology – based at King’s College Hospital**

Code: 2122/KCL/019

Individual Placement Descriptor (IPD) for the four month academic placement

Separate IPDs for clinical placements are available on foundation school websites

<b>Type of programme</b>  Research	
<b>Employing trust:</b>  King's College Hospital NHS Foundation Trust	<b>Academic placement based at:</b>  King’s College Hospital
<b>Brief outline of department including reference to department web site</b>  The Department of Basic and Clinical Neuroscience at the Maurice Wohl Clinical Neuroscience Institute, King’s College London, includes internationally recognised clinician scientist leaders in epilepsy, movement disorders, brain injury, demyelinating disease and neurodegeneration, including Alzheimer’s disease and motor neuron disease (amyotrophic lateral sclerosis). Past projects include next generation sequencing projects in motor neuron disease, an RNA expression study in Alzheimer's disease, a study of pain in neurodegenerative diseases, neurophysiological studies of nerve transmission in models of epilepsy, and follow-up genetic studies of a genome-wide association study in Parkinson's Plus Syndromes.	
<b>Structure of academic project/what expected</b>  This post is particularly suited to those interested in Neurology and Neuropsychiatry. During the research attachment, trainees will be able to choose a supervisor from principal investigators (PIs) in the Maurice Wohl Clinical Neuroscience Institute. Areas of activity include Mendelian and complex genetics, molecular cell biology, cellular electrophysiology, neuroimaging, protein chemistry and proteomics, and bioinformatics in relation to neurodegenerative disorders (dementia, Parkinson's disease, motor neuron disorders). During the academic rotation, trainees are encouraged to attend research seminars and other activities organised by the Centre for Neurodegeneration Research, as well as the Clinical Grand Round at King’s College Hospital. The post-holder is expected to teach a Masterclass seminar on the MSc in Clinical Neuroscience, two hours a week, in conjunction with the F2A in Clinical Neuroscience. A list of principal investigators with brief outlines of their areas of research and likely projects is available at the start of the academic year. Trainees are encouraged to make contact with a range of PIs so that they can select a PI and project at least 3 months prior to starting the research rotation.  The associated F2 clinical attachments will be Psychiatry and A&E.	
<b>Clinical commitments during academic placement</b>  The academic F2 will be required to be on an out of hours rota at Guy’s and St Thomas’ NHS Foundation Trust. The F2 is expected to attend the monthly F2 teaching and encouraged to engage with other relevant clinical educational events where applicable.	

The trainee is expected to attend the Neurology Grand Round, and to present a weekly seminar to the Clinical Neurosciences MSc students. Teaching on the MSc is an important component of the post.

***Departmental academic teaching programme (if applicable)***

There is a programme of research presentations from the department, a programme of visiting lecturers, and weekly journal clubs and seminars in various research topics. The post-holder is also welcome to attend lectures and seminars from the MSc in Neuroscience, MSc in Clinical Neuroscience, and MSc in Neuroimaging.

***Academic Lead***

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