An exciting opportunity for a Research Assistant is available in the Laboratory of Synaptic plasticity and Repair of Imperial College London.

We use an interdisciplinary approach, combining advanced optical imaging methods, including multiphoton and superresolution microscopy, optogenetics and in vivo calcium imaging with electrophysiology and neuroanatomical reconstructions, to study the regulation of axon and synaptic connectivity in the adult neocortex, a brain region affected in numerous neurodevelopmental and degenerative diseases as well as acute injuries, which are incurable to date.

For more information visit our Imperial College London and personal www.DePaolaLab.com web pages.

Requirements for the position: Bachelor degree and/or Master's degree.

Required Expertise: Data management, visualization, analysis, segmentation and interpretation. Image analysis software experience (e.g. NeuronStudio, Imaris, imageJ, Vaa3D, Volocity, custom-made). Experience in software development (i.e. programing) and in the analysis of longitudinal structural and/or functional imaging experiments will be an advantage.

We are looking for highly motivated and enthusiastic researchers with a strong interest in data management and analysis in the field of neuronal imaging to advance our knowledge of how synaptic connectivity is regulated in both normal and neuropathological settings.

Applications, including CV and statement of research interests should be sent to Dr. Vincenzo De Paola (v.depaola@lms.mrc.ac.uk).