Anatomical localisation of function is a fundamental principle in the neurosciences. This four day course will correlate gross anatomy with neuroimaging and functional MRI to illustrate normal neurological function, the alterations that attend disease, and the bases for the clinical features seen in patients.

Monday 25 March 2019

09.00 – 09.05 Welcome address and Overview Prof T. Yousry
09.05 – 09.50 Surface anatomy of the brain on MRI Prof T. Naidich
09.50 – 10.30 Imaging the developing brain Prof P. Griffiths

Coffee - Tea Break
11.00 – 11.45 Developmental and acquired brain pathology in the fetus Prof P. Griffiths
11.45 – 12.30 Phylogenetic evolution of the brain in humanoids Prof M. Braun

Lunch (60 minutes)
13.30 – 14.15 Cytoarchitectonic organization of the cerebral cortex Prof K. Amunts
14.15 – 15.15 Microstructure Imaging Using MRI Prof N Weiskopf

Coffee - Tea Break
15.45 – 16.30 MR of the basal ganglia Prof T. Naidich
16.30 – 17.15 Functional anatomy of the cerebellum Prof J Schmahmann

17.30 Welcome Reception Foyer, 33 Queen Square.
Tuesday 26 March 2019

09.00 – 10.30  “Hands on” anatomy laboratory
Anatomic demonstration: 30 minutes, then specimen reviews & dissections
Prof M. Braun, Prof T. Naidich, Prof C. Yeo, Prof T. Yousry.

Coffee – Tea Break

11.00 – 11.45  Myeloarchitectonic organization of the cerebral cortex  Prof K. Amunts
11.45 – 12.30  Association pathways  Dr M. Catani
12.30 – 13.15  Methods of Identification of the central sulcus  Prof T. Yousry

Lunch

14.15 – 15.30  “‘Hands on’ PACS workstations: Identification of brain structures
Dr S. Shah, Dr H. Chandrashekar, Dr M. White, Prof T. Naidich, Prof M. Braun, Prof T. Yousry.

Coffee – Tea Break

16.00 – 16.45  Motor Cortex and Descending Motor Pathways  Prof R. Lemon
16.45 – 17.00  White matter tracts in the brainstem at 9.4T  Prof T. Naidich
16.45 – 17.30  Preoperative use of tractography  Prof T. Yousry
**Wednesday 27 March 2019**

09.00 – 10.30  
“Hands on” anatomy laboratory  
Anatomic demonstration: 30 minutes, then specimen reviews & dissections  
Prof M. Braun, Prof T. Naidich, Prof C. Yeo, Prof T. Yousry.

**Coffee – Tea Break**

11.00 – 11.45  
Embryology, anatomy and phylogeny of the anterior, hippocampal and great commissures  
Prof T. Naidich

11.45 – 12.30  
Functional anatomy of the corpus callosum  
Prof T. Yousry

**Lunch (60 minutes)**

13.30 – 15.00  
“Hands on” PACS workstations: Identification of brain structures  
Dr S. Shah, Dr H. Chandrashekar, Dr M. White, Prof T. Naidich, Prof M. Braun, Prof T. Yousry.

**Coffee – Tea Break**

15.30 – 16.45  
Insights into the anatomy and function of VR-spaces  
Prof R. Weller

16.45 – 17.00  
Toward a better understanding of Hydrocephalus  
Prof T. Naidich

17.30  
**Farewell Reception**  
Foyer, 33 Queen Square
Thursday 28 March 2019

09.00 – 10.30  “Hands on” PACS workstations: Identification of brain structures
Dr S. Shah, Dr H. Chandrashekar, Dr M. White, Prof T. Naidich, Prof T. Yousry.

Coffee Break
11.00 – 11.45  Arteries and veins of the brain  Prof M Braun
11.45 – 12.30 Gross anatomy of the hippocampal formation  Prof T. Naidich

Lunch
13.30 – 14.15  How does the brain think?  Prof J Schmahmann
14.15 – 15.00  The adolescent brain  Prof S. Blakemore

End of Course – closing remarks from The Organisers: Prof Yousry, Prof Yeo, Prof Naidich

15.30  Goodbye Drinks
Foyer, 33 Queen Square