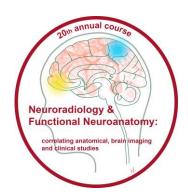
# Neuroanatomy:

## **Correlating Anatomical, Brain Imaging and Clinical Studies**

Organised by Prof T Yousry, Prof C Yeo and Prof T Naidich

4 - 7 July 2022

Lecture Theatre, 33 Queen Square, London
Preliminary programme



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 4 July 2022 09 30 – 09 35 Welcome address

| 09.30 - 09.35 | Welcome address and Overview   | Prof T. Yousry    |  |
|---------------|--|-------------------|--|
| 09.35 – 10.20 | Surface anatomy of the brain on MRI  | Prof T. Naidich   |  |
| 10.20 – 11.05 | Imaging the immature brain: 1. Developmental pathology in the fetus  | Prof P. Griffiths |  |
| 11.05 – 11.50 | Break  |                   |  |
| 11.50 – 12.35 | Imaging the immature brain: 2. Acquired pathology in the fetus   | Prof P. Griffiths |  |
| 12.35 – 13.20 | Myeloarchitecture, receptorarchitecture und multimodality  | Prof K. Amunts    |  |
| 13.20 – 14.20 | Lunch Break  |                   |  |
| 14.20         | Assembly at the 33 Queen Square Foyer for the PACS workshop  |                   |  |
| 14.30-16.00   | "Hands on" PACS workstations: Identification of brain structures<br>Prof R Hamdi, Dr C. Hoskote, Dr S. Shah, Prof T. Naidich, Prof T. Yousry |                   |  |
| 16.15 – 17.00 | Language areas: cyto- and receptorarchitecture   | Prof K. Amunts    |  |
| 17.00 – 17.45 | Motor Cortex and Descending Motor Pathways   | Prof R. Lemon     |  |

Welcome Reception

17.45

Queen Square

### Tuesday 5 July 2022

| 09.00 - 09.45 | Methods of Identification of the central sulcus  | Prof T. Yousry  |  |
|---------------|--|-----------------|--|
| 09.45 – 10.30 | MR of the basal ganglia  | Prof T. Naidich |  |
| 10.30 – 11.00 | Break  |                 |  |
| 11.00 – 11.45 | Microstructure Imaging Using MRI   | Prof N Weiskopf |  |
| 11.45 – 12.30 | White matter tracts in the brainstem at 9.4T   | Prof T. Naidich |  |
| 12.30 – 13.15 | Functional anatomy of the cerebellum   | Prof C. Yeo     |  |
| 13.15 – 14.15 | Lunch Break  |                 |  |
| 14.15         | Assembly at the 33 Queen Square Foyer for the Anatomy workshop   |                 |  |
| 14.30 – 16.00 | "Hands on" anatomy laboratory Anatomic demonstration: 30 minutes, then specimen reviews & dissections Prof R Hamdi, Prof T. Naidich, Prof C. Yeo, Prof T. Yousry |                 |  |
| 16.15 – 17.00 | Embryology, anatomy and phylogeny of the anterior, hippocampal and great commissures   | Prof T. Naidich |  |
| 17.00 – 17.45 | Association pathways   | Prof M Catani   |  |

## Wednesday 6 July 2022

| 09.00 – 10.30 | "Hands on" anatomy laboratory Anatomic demonstration: 30 minutes, then specimen reviews & dissections Prof R Hamdi, Prof M. Braun, Prof T. Naidich, Prof C. Yeo, Prof T. Yousry. |                 |  |
|---------------|--|-----------------|--|
| 10.30 – 11.00 | Break  |                 |  |
| 11.00 – 11.45 | Language networks and their myths  | Prof C. Price   |  |
| 11.45 – 12.30 | Effect of damage to the language network   | Prof C. Price   |  |
| 12.30 – 13.45 | Group photo and Lunch Break  |                 |  |
| 13.45 – 15.15 | "Hands on" PACS workstations: Identification of brain structures<br>Prof R Hamdi, Prof M. Braun, Dr C. Hoskote, Prof T. Naidich, Dr S. Shah,<br>Prof T. Yousry                   |                 |  |
| 15.15 – 15.45 | Break  |                 |  |
| 15.45 – 16.30 | Toward a better understanding of Hydrocephalus   | Prof T. Naidich |  |
| 16.30 – 17.00 | Insights into the anatomy and function of VR-spaces  | Prof R. Carare  |  |

17.45 **Farewell Reception**Queen Square

#### Thursday 7 July 2022 09.00 - 09.30Central Processing of Olfaction Prof T. Naidich Prof T. Yousry 09.30 - 10.15Preoperative use of fMRI and tractography 10.15 - 10.45**Break** Prof M. Braun 10.45 - 11.30Arteries and veins of the brain 11.30 - 12.15Gross anatomy of the hippocampal formation Prof T. Naidich 12.15 - 13.00Phylogenetic evolution of the brain in humanoids Prof M. Braun **Lunch Break** 13.00 - 14.0014.00 - 14.45The Emotional Brain- Anatomic Bases Prof T. Naidich 14.45 - 15.15The adolescent brain Prof S. Blakemore 15.15 End of Course – closing remarks from the organisers: Prof T Naidich, Prof C Yeo and Prof T Yousry.

#### N.B. Covid restrictions will be adhered to and thus the programme will be updated accordingly.

#### **FACULTY**

Prof K Amunts (Germany)

Prof S Blakemore (United Kingdom)

Prof M Braun (France)

Prof R Carare (United Kingdom)

Prof M Catani (United Kingdom)

Prof P Griffiths (United Kingdom)

Prof R Hamdi (Egypt)

Dr C Hoskote (United Kingdom)

Prof R Lemon (United Kingdom)

Prof T Naidich (United States)

Prof C Price (United Kingdom)

Dr S Shah (United Kingdom)

Prof N Weiskopf (Germany)

Prof C Yeo (United Kingdom)

Prof T Yousry (United Kingdom)