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**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Facilitators</th>
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<tr>
<td>09.00 – 10.30</td>
<td>“Hands on” anatomy laboratory&lt;br&gt;<strong>Anatomic demonstration:</strong> 30 minutes, then specimen reviews &amp; dissections&lt;br&gt;<strong>Prof M. Braun, Prof T. Naidich, Prof C. Yeo, Prof T. Yousry.</strong></td>
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<td><strong>Coffee – Tea Break</strong></td>
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<td>11.00 – 11.45</td>
<td>Myelomorphological organization of the cerebral cortex&lt;br&gt;<strong>Prof K. Amunts</strong></td>
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<td>11.45 – 12.30</td>
<td>Association pathways&lt;br&gt;<strong>Dr M. Catani</strong></td>
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<td>12.30 – 13.15</td>
<td>Methods of Identification of the central sulcus&lt;br&gt;<strong>Prof T. Yousry</strong></td>
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<td><strong>Lunch</strong></td>
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<td>14.15 – 15.30</td>
<td>“Hands on” PACS workstations: Identification of brain structures&lt;br&gt;<strong>Dr S. Shah, Dr H. Chandrashekar, Dr M. White, Prof T. Naidich, Prof M. Braun, Prof T. Yousry.</strong></td>
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<td><strong>Coffee – Tea Break</strong></td>
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<tr>
<td>16.00 – 16.45</td>
<td>Motor Cortex and Descending Motor Pathways&lt;br&gt;<strong>Prof R. Lemon</strong></td>
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<td>16.45 – 17.00</td>
<td>White matter tracts in the brainstem at 9.4T&lt;br&gt;<strong>Prof T. Naidich</strong></td>
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<td>16.45 – 17.30</td>
<td>Preoperative use of tractography&lt;br&gt;<strong>Prof T. Yousry</strong></td>
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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