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| <b>Human Memory Circuits</b><br><b>May 9th-10<sup>th</sup>, Madrid</b><br><b>Day 1</b> |   |                                   |
| <b>15:00 – 15:30</b>   | Registration and coffee   |                                   |
| <b>15:30-16:00</b>   | Welcome and introduction to EBRAINS   | Guillermo Velasco & Bryan Strange |
| <b>Session I (Chair: Javier DeFelipe)</b>  |   |                                   |
| <b>16:00 -16:30</b>  | Nicola Palomero Gallagher<br><i>"Receptor architecture of the human temporal lobe and epilepsy related alterations"</i>           |                                   |
| <b>16:30 -17:00</b>  | Michele Migliore<br><i>"Cognitive functions and dysfunctions emerging from large-scale computational models of brain regions"</i> |                                   |
| <b>17:00-17:30</b>   | Coffee break  |                                   |
| <b>Session II (Chair: Bryan Strange)</b>   |   |                                   |
| <b>17:30 -18:00</b>  | Rafael Toledano<br><i>"Síndromes clínicos en epilepsia temporal y alteraciones cognitivas"</i>                                    |                                   |
| <b>18:00 -18:30</b>  | Javier DeFelipe<br><i>"Human cortical microanatomy"</i>   |                                   |
| <b>18:30 -19:00</b>  | Ruth Benavides-Piccione<br><i>"Structure of human pyramidal cells"</i>  |                                   |
| <b>End of the day</b>  |   |                                   |

Ilustre Colegio Oficial de Médicos de Madrid

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## Human Memory Circuits

### May 9th-10<sup>th</sup>, Madrid

### Day 2

| <b>Session III (Chair: Ruth Benavides-Piccione)</b> |   |                                   |
|---|---|-----------------------------------|
| <b>9:00 - 9:30</b>                                  | Bryan Strange<br><i>"Human hippocampal function: insights from intracranial recordings"</i>                           |                                   |
| <b>10:00 - 10:00</b>                                | Alberto Lleó<br><i>"Synaptic pathology in Alzheimer's disease"</i>  |                                   |
| <b>10:00-10:30</b>                                  | Lluis Fuentemilla<br><i>"Memory Cycles: Slow and Rapid Neural Rhythmic Fluctuations Ride Human Episodic Memories"</i> |                                   |
| <b>10:30 – 11:00</b>                                | Coffee break  |                                   |
| <b>Session IV (Chair: Ruth Benavides-Piccione)</b>  |   |                                   |
| <b>11:00 - 11:15</b>                                | Angel Merchán<br><i>"Quantitative nanoconnectivity of the brain with volume electron microscopy"</i>                  |                                   |
| <b>11:15 - 11:30</b>                                | Oscar Robles<br><i>"Sailing the synaptic ocean: structure visualization and segmentation"</i>                         |                                   |
| <b>11:30 - 11:45</b>                                | Emma Muñoz<br><i>"Application of magnetic resonance imaging to investigate memory circuits"</i>                       |                                   |
| <b>11:45-12:00</b>                                  | Esperanza Jubera<br><i>"Neurotherapeutics for cognitive deterioration"</i>  |                                   |
| <b>12:00-13:00</b>                                  | General Discussion  | Bryan Strange                     |
| <b>13:00-13-30</b>                                  | <b>Closure</b>  | Guillermo Velasco & Bryan Strange |

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