

20 March 2018, Laboratorio Cajal de Circuitos Corticales, Centro de Tecnología Biomédica. Campus de Montegancedo s/n. Pozuelo de Alarcón (Madrid)

## AGENDA

### SEMINARS: Introduction to the study of Cortical Microanatomy

10:30-11:30h **introductory talk:** Neuroimaging and the history of Neuroscience (Javier DeFelipe)

11:30-12:00 **Short talk:** How many neurons are there in the brain: Stereology method (Lidia Alonso-Nanclares)

12:00-12:30h

12:30-13:00h **Short talk:** In vivo studies of the brain: models in Neuroscience (Lidia Blazquez-Llorca)

13:00-14:00h **Guided visit** to the laboratory where students will learn about animal surgeries, tissue preparation for microscopy; different types of microscopy (fluorescent, confocal, EM, ultramicroscopy), data collection and analysis.

14:00-15:00h

15:00-15:30h **Short talk:** Automated 3D electron microscopy (Angel Merchán)

15:30-16:30h **Talk:** Alteration of cortical circuits in Alzheimer disease (Javier DeFelipe, Lidia Alonso-Nanclares and Lidia Blazquez-Llorca)

17:30h **General discussion and end of the event**