

Neuroscience Seminar Series

Friday, January 13th, 2017 at 11:30

Salle des Conférences (R229)

Centre Universitaire des Saints-Pères

45 rue des Saints-Pères, 75006 Paris

Francesco Roselli

PhD

Neurology and Anatomy departments, University of Ulm, Germany

Genetic and chemogenetic dissection of neuro-glio-vascular interactions in motoneuron disease

ALS is recognized to display non-cell-autonomous pathogenetic cascades, in which motoneuron processes strongly affect, and are strongly influenced by, events taking place in astrocytes, microglia, vascular structures as well as other neurons. The mechanistic analysis of these interactions requires the precise spatio-temporal control of one or multiple components in vivo. By applying chemogenetic and genetic strategies, we are now able to manipulate each cellular player independently, establishing causal links and exploring pathogenic cascades in space and time.

Those interested in meeting with the speaker please contact
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