

IPNP Seminar

Dr Cátia Teixeira

(Host A Teissier)



*The Nathan S. Kline Institute for Psychiatric Research,
Orangeburg, NY, USA*

Early-life environmental factors regulating the serotonergic system

Monday May 27th, 2019, noon

R04-45, 102-108 rue de la santé - 75014 Paris

Dr Cátia Teixeira

Emotional Brain Institute (EBI), The Nathan S. Kline Institute for Psychiatric Research, USA

Several environmental factors change serotonin levels during development: Stress, physical abuse, food, genetic variants, pharmaceutical and recreational drugs, maternal inflammation. Some of these factors that increase or decrease serotonin levels during development have been linked to behavioral deficits in the adult. In this talk I will present data from my laboratory showing how maternal care regulates activity of the PFC of pups via the serotonergic system and how changing serotonergic levels during development, via SSRIs administration, can lead to enduring behavioral deficits.

Using optogenetics in conjunction with behavioral testing and electrophysiology, we aim to unveil alterations in monoaminergic circuits that can be used as therapeutic targets.

Keywords: Behavior, Electrophysiology, Optogenetics, Serotonin, SSRI, Stress