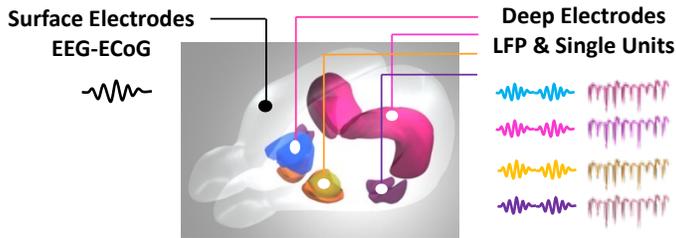


In Vivo Brain Electrophysiology

Our Solutions

We provide in vivo brain electrophysiology recordings solutions, allowing custom recording and analysis of neuronal signals. Thanks to our expert member, OptoPath™, we can develop customized assays to measure neuronal activity in the brain.



About



Thanks to our exclusive partner OptoPath™, we provide access to state-of-the-art in vivo electrophysiology assays based on the expertise of world-renowned neuroscientists.

OptoPath™ is located in Bordeaux, France, at the heart of the world-famous research center “Neurocentre Magendie”.

Contact us

NsA - In Vitro Brain Slice Electrophysiology

Aix-en-Provence (FR)



Bordeaux (FR)

San Diego (USA)

contact@neuroservices-alliance.com

Types of electrodes & recordings

- Single tungstene electrodes (EcoG-EEG)
- Custom made electrodes NiChrome bundles (LFP, Units)
- Stereotrodes - tetrodes - silicones probes (LFP, Units)
- Multisite recordings
- EMG recordings
- During behavior or using head-fixed preparations

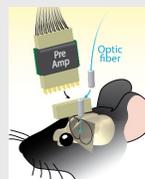
6 Plexon recording systems
128 Channels



400 Sq meter of dedicated space

- Mice and rats (male and female) animal facilities
- Dedicated team of technicians and researchers

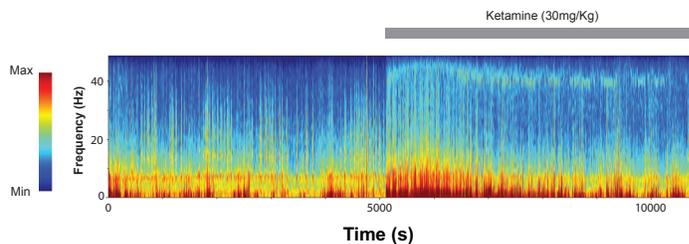
Freely-moving electrophysiology



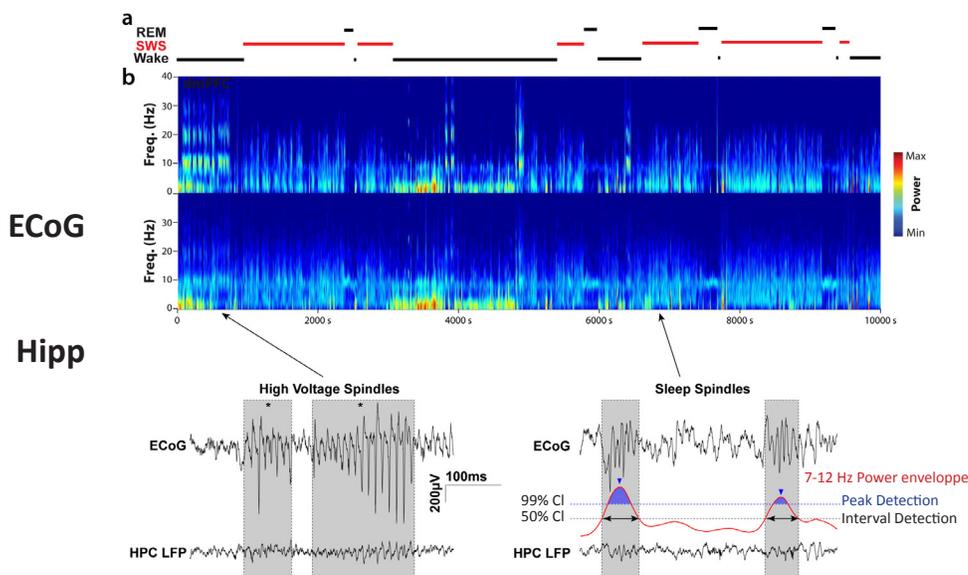
Pharmacology & Optogenetic coupling



Effect of Ketamine on prefrontal neuronal oscillations

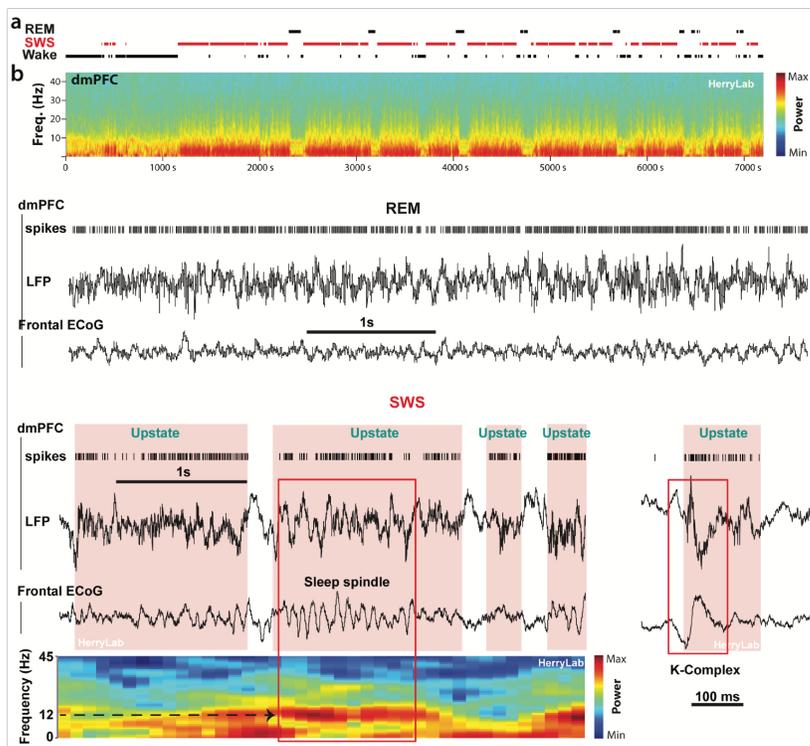


Absent seizures and sleep spindle isolation



Slow-Wave Sleep analysis

Spindle recordings during SWS



Pre-ictal spikes analyses during SWS

