



SAINTS-PÈRES  
Paris Institute for  
the Neurosciences

UMR-S 1124  
Toxicology, Pharmacology and Cell Signaling

# Saints Pères Neuroscience Seminar Series

**Friday, October 29<sup>th</sup>, 2021 at 11:30**

Salle des Conférences (R229)

Centre Universitaire des Saints-Pères

45 rue des Saints-Pères, 75006 Paris

## Daniel E. Shulz

*NeuroPSI - Paris-Saclay Institute of Neuroscience, France*

*Studying tactile feature encoding in the somatosensory cortex for optimizing a closed-loop brain-machine interface in mice*

*Tactile information is acquired and processed in the brain through concerted interactions between movement and sensation. We study neuronal processes responsible for the coding of sensorimotor information in the barrel cortex of rodents by using a comprehensive approach including electrophysiological, imaging, optogenetic and behavioral strategies. We use this knowledge to optimize the sensory feedback injected to the brain for improving the motor control of a brain machine interface.*

Those interested in meeting with the speaker please contact

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