



CEREBELLUM DAY

MARCH

9TH - 10TH, 2022

BORDEAUX



NEUROCAMBUS
38 Rue Albert Marquet
33000 Bordeaux



université
de BORDEAUX



RÉGION
Nouvelle-
Aquitaine



VALID HEALTH PASS MANDATORY

WEDNESDAY, MARCH 9TH, 2022

14:00 – 14:30 RECEPTION & OPENING REMARKS

14:30 – 15:45 SESSION 1: POPULATION RECORDINGS AND NETWORK DYNAMICS

Chair Antoine VALERA

14:30 – 14:55 Harsha GURNANI (UCL, London, UK)

"Collective dynamics of electrically coupled inhibitory networks in the cerebellar cortex"

14:55 – 15:20 N. Alex CAYCO-GAJIC (ENS, Paris, FR)

"Dimensionality from high to low"

15:20 – 15:45 Berat Semihcan SERMET (Institut Pasteur, Paris, FR)

"Synaptic basis of cerebellar granule cell layer activity dynamics"

15:45 – 16:15 COFFEE BREAK | POSTER SESSION 1 & EXHIBITOR BOOTHS

16:15 – 17:30 SESSION 2: MOTOR CONTROL IN CEREBELLAR SYSTEMS

Chair Xhensjana ZENELAJ

16:15 – 16:40 Cécile GALLEA (ICM, Paris, FR)

"Cerebellar contribution to the pathophysiology of dystonia"

16:40 – 17:05 Stéphane DIEUDONNE (ENS, Paris, FR)

"Inferior olive coding of postural adjustment"

17:05 – 17:30 Idriss Tsayem NGUEGIUM (ENS, Paris, FR)

"Functional regionalization of the vestibulo-cerebellum in rats"

17:30 – 18:00 CLUB COMMITTEE

18:15 – 19:15 KEYNOTE LECTURE: Abigail PERSON (University of Colorado, Denver, USA)

"Title to be confirmed"

19:15 – 20:00 SOCIAL EVENT | POSTER SESSION 2 & EXHIBITOR BOOTHS

THURSDAY, MARCH 10TH, 2022

09:00 – 09:30 COFFEE & CROISSANTS | POSTER SESSION 3 & EXHIBITOR BOOTHS

09:30 – 10:55 SESSION 3: CEREBELLAR DYSFUNCTIONS

Chair Arthur LEBLOIS

09h:30 – 09:40 3BRAIN (Zurich, SW)

"High-density microelectrode arrays: modern readout technology for next-gen neuroscience"

09h:40 – 10:05 Lisa MAPELLI (University of Pavia, Pavia, IT)

"Dynamic properties of neurovascular coupling in the cerebellum"

10:05 – 10:30 Svethna RIBEIRO (NPS-IBPS, Paris, FR)

"The effects of low-intensity magnetic stimulation on a model of pathological cerebellar development"

10:30 – 10:55 Helene PUCCIO (INMG, Lyon, FR)

"Disruption of COQ8A causes mitochondrial dysfunction and Ca²⁺ imbalance in purkinje neurons"

10:55 – 11:25 COFFEE BREAK | POSTER SESSION 4 & EXHIBITOR BOOTHS

11:25 – 12:50 SESSION 4: LEARNING AND COGNITION

Chair Frédéric LANORE

11:25 – 11:35 Geoff Ingram - SCIENTIFICA (Uckfield, UK)

"We've been busy... Discover our pioneering product developments"

11:35 – 12:00 Vinh NGUYEN (SPPIN, Paris, FR)

"In vivo two-photon calcium imaging reveals sagittal bands of complex spiking that adapt to sensorimotor mismatch in a novel behavioral task"

12:00 – 12:25 Boris BARBOUR (ENS, Paris, FR)

"Chronic multielectrode recordings during eyeblink conditioning"

12:25 – 12:50 Yannis ELANDALOUSSI (CHU Mondor, Paris, FR)

"Posterior cerebellar structure is associated with social communication impairments in paediatric population"

12:50 – 13:40 LUNCH BREAK | POSTER SESSION 5 & EXHIBITOR BOOTHS

13:40 – 14:00 CLOSING REMARKS