

# MINI-SYMPOSIUM

## Omics analyses of brain function and brain disease

A meeting between the Center for Excellence in Brain Science and Intelligence Technology (CEBSIT) and the Lemanic Neuroscience Network in Lausanne

**Thursday April 06, 2023, Grand Auditoire, Bugnon 9, 1005 Lausanne.**

Free, but mandatory inscription until NOON, April 3<sup>rd</sup> (seating capacity is limited) at:

<https://forms.gle/Mr9qVaBBrA8yfoGK7>

09h00 **Welcome**

09h15 **Muming Poo** (Institute of Neuroscience (ION), Chinese Academy of Sciences (CAS))

Progress in generating macaque models of brain disorders

10h00 **Yangang Sun** (ION, CAS)

Mesoscopic connectome of the mouse brain

10h20 **Jiahong Ding** (Beijing Genomics Institute at Shenzhen, China)

Advancing technologies for brain science: DNA sequencing, single-cell sequencing and STOmics

10h40 **Coffee break**

10h50 **Chengyu Li** (ION, CAS)

Progress of macaque spatial transcriptome research

11h10 **Wenbiao Gan** (Shenzhen Bay Laboratory; Shanghai Center for Brain Science and Brain-Inspired Technology)

Progress in human brain cell-type mapping in China

### Presentation of Neuroscience in Lausanne

11h30 **Manuel Mameli** –Vice-director, Department of Fundamental Neurosciences (DNF), UNIL

11h45 **Philippe Ryvlin** – Director, Dept. Clinical Neurosciences (DNC), CHUV

12h00 **Chin Eap** – Director, Centre for Psychiatric Neurosciences (CNP), CHUV

12h15 **Brian McCabe** – Director, Brain Mind Institute (BMI), EPFL

12h30 **LUNCH** (on site at DNF)

13h00 **Bogdan Draganski** (Neurology, DNC, Lausanne University Hospital Center (CHUV))

Maintaining and improving brain health in the ageing population - the Swiss experience

13h20 **Ludovic Telley** (DNF, University of Lausanne (UNIL))

Inferring cortical development through a ligand-receptor atlas

13h40 **Claudia Bagni** (Vice-dean research FBM, UNIL)

The mission of FBM and the challenge of flexibility

14h10 **Round table:** Presentation of joint funding opportunities China-Switzerland, discussion on opportunities for collaborations

15h30 **Departure to CNP**

### CNP, Salle de Séminaires, Batiment 11C01, Hôpital de Cery

16h00 **CNP group leaders**

Short presentations and discussion

18h30 **Dinner** (on site at CNP)

## **Description of unit abbreviations**

### **China:**

**BGI Genomics:** Beijing Genomics Institute at Shenzhen, China

**CAS:** Chinese academy of Sciences, China

**CEBSIT:** Center for Excellence in Brain Science and Intelligence Technology, a consortium of Chinese Neuroscience laboratories, see <http://www.cebsit.ac.cn/en/>

**ION:** Institute of Neuroscience, Shanghai

**SBC:** Shanghai Center for Brain Science and Brain-Inspired Technology, China

### **Switzerland**

**BMI:** Brain Mind Institute

**CHUV:** Centre Hospitalier Universitaire Vaudois (Lausanne University Hospital Centre)

**CNP:** Centre for Psychiatric Neurosciences

**DNC:** Department of Clinical Neurosciences

**DNF:** Department of Fondamental Neurosciences

**EPFL:** Ecole Polytechnique Fédérale Lausanne (Swiss Federal Institute of Technology, Lausanne)

**FBM:** Faculty of Biology and Medicine

**UNIL:** University of Lausanne