CRNL Workshop December 11, 2023
Spotlight on brain organoids: Why? What? How?

Program

09:00 - 09:30  Registration - Welcome coffee

09:30 - 09:40  Welcome word  Laurent BEZIN  CRNL Deputy Director
               Keynote lectures

09:40 - 10:30  Laura PELLEGRINI  MRC Laboratory of Molecular Biology, Cambridge UK
               Cerebral Organoids: A New Window into Brain Development, Evolution, and Diseases

10:30 - 10:50  Coffee break

10:50 - 11:20  Takuya ISOMURA  Riken Center for Brain Science, Saitama Japan
               Experimental validation of the free-energy principle with in vitro neural networks

11:20 - 11:50  Adrien BOTACCI  ADES, Aix-Marseille Université
               Brain organoids: legal and ethical perspectives
               Feedback from local researchers

11:50 - 12:05  Bertrand PAIN  SBRI Stem Cell and Brain Research Institute, Lyon
               From stem cells to cerebral organoids: to do what?

12:05 - 12:20  Erika COSSET  CRCL Cancer Research Center of Lyon
               How brain organoids can be used to model human diseases?

12:20 - 12:35  Marion DELOUS  CRNL Lyon Research Center of Neurosciences
               Cortical organoids to decipher the cellular mechanisms leading to a rare microcephalic syndrome

12:35 - 12:40  Sponsor talk: STEMCELL TECHNOLOGIES
               The Power of hPSCs-Derived Neural Models

12:40 - 14:00  Lunch
               Feedback from local researchers: organoid core facilities

14:00 - 14:15  Samantha BALLESTA  CRCL Cancer Research Center of Lyon
               3D-ONCO facility: Human 3D models for oncology

14:15 - 14:30  Bertrand PAIN  SBRI Stem Cell and Brain Research Institute, Lyon
               'LYNOPLA - : LYon Neural Organoid Plateform': a project for needs

14:30 - 14:50  Coffee break
               Keynote lectures

14:50 - 15:20  Bhuvaneish SELVARAJ  Dementia Research Institute, Edinburg UK
               Human stem cell organoid models to study neurodegenerative diseases

15:20 - 15:50  Emmanuele VILLA on behalf of G. TESTA  Human Technopole and University of Milan, Italy
               Translating brain organoids endophenotypes: from mechanisms to scales

15:50 - 17:00  Round-table  All speakers

17:00 - 17:10  Closing remarks