



**EBRAINS**

**EBRAINS WORKSHOP**  
**BRAIN ACTIVITIES ACROSS SCALES**  
**AND SPECIES (BASSES)**

**13–15 JUNE 2022**  
**ROME AND ONLINE**

**ABSTRACT SUBMISSION DEADLINE:**  
**6 MAY 2022**

**REGISTRATION DEADLINE:**  
**27 MAY 2022**

**ANNOUNCEMENT**



**Human Brain Project**

Co-funded by  
the European Union



## ABOUT THE EVENT

The study of brain rhythms and of **spatio-temporal patterns** of brain activation is an important test-bench for understanding connectivity and the mechanisms that determine **cognitive systems** in mammals.

The large variety of available experimental protocols and measurement techniques enable researchers to investigate new scientific questions. In addition, the input from experimental observations is used to design theoretical models able to emulate brain dynamics and cognitive mechanisms in in-silico experiments.

The goal of the BASSES Workshop (Brain Activity across Scales and Species: analysis of Experiments and Simulations) is to provide an overview of the scientific topic of brain states and complexity, state transitions, and their **connection with cognitive functions**, and to demonstrate the achievements in this field obtained within the Human Brain Project thanks to the functionalities provided by the **EBRAINS research platforms**.

Lectures will showcase the latest advancements in **analysis strategies** and whole-brain modelling tools. Hands-On Sessions will allow the participants to be actively engaged and test the **EBRAINS functionalities** for data storage, curation, analysis, and modelling.

BASSES will allow people with different expertises, from experimental and theoretical neuroscientists to computer scientists, to share results and ideas and connect into a wider community.

## CALL FOR SUBMISSIONS

BASSES will have renowned scientists and early-career researchers side-by-side, thus enabling for the latter the opportunity to showcase their work and results.

We invite **original, high-quality submissions** describing innovative research addressing the topics of brain dynamics, brain states, state transitions, complexity, cognitive functions, software solutions and analysis tools. The contributions can emphasize theoretical or empirical aspects. We particularly encourage submissions that leverage the functionalities provided by the EBRAINS research platforms or with a potential towards the integration with **EBRAINS**.

**Poster sessions** at the BASSES workshop will take place in a hybrid format and will be available for all event attendees to access digitally. More information will be sent to applicants upon acceptance of their poster abstract submission.

A few abstracts will be selected to be presented in the plenary sessions.

**Travel grant options** can be evaluated, please contact [workshop.edu@humanbrainproject.eu](mailto:workshop.edu@humanbrainproject.eu) for further details.

**Abstract submission deadline: 6 May 2022**

## REGISTRATIONS

HBP and EBRAINS invite interested scientists to join the forthcoming EBRAINS Workshop on Brain Activities across Scales and Species (BASSES).

**Registration deadline: 27 May 2022**

Registration for this workshop is free of charge, but mandatory.

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### Scientific Chairs & Local hosts:

Anna Letizia Allegra Mascaro | LENS  
Giulia de Bonis | INFN

### Contact:

[workshop.edu@humanbrainproject.eu](mailto:workshop.edu@humanbrainproject.eu)

### Organised by:



Human Brain Project  
Education Programme

### In cooperation with:



Istituto Nazionale di Fisica Nucleare



### Further information & registration:

[humanbrainproject.eu/en/education/ebrains-workshops/basses](https://humanbrainproject.eu/en/education/ebrains-workshops/basses)