EBRAINS
Spain

Acquisition and use of data in Neuroscience and Artificial Intelligence through the European infrastructure EBRAINS

Event to present the services that the European infrastructure EBRAINS offers to the neuroscience and neurotechnology research community. The Spanish EBRAINS Node will be presented and topics related to the acquisition and use of brain data, the use of data in artificial intelligence, and neuro-rights will be addressed.

Speakers: Leaders of the Human Brain Project, neuroscientists from the UPM, members of the Spanish EBRAINS Node, experts in technology transfer and neurorights.

Target audience: clinical researchers from the public health system, scientific institutes and societies, policy-makers, representatives of patient associations, neuroscientists, neurotechnologists, companies.

Date and time: Monday, 25 September, 09:00 - 14:45.

Location: Instituto de Salud Carlos III (ISCIII), Salón de Actos Ernest Lluch. Pabellón 13. Avenida Monforte de Lemos 5, 28029, Madrid.

Contact email: humanbrainproject@effectia.es

Human Brain Project · UNIVERSIDAD POLITÉCNICA DE MADRID · POLITÉCNICA · UE 23 · MINISTERIO DE CIENCIA E INNOVACIÓN · Instituto de Salud Carlos III · itemas isciii · Plataforma de dinamización e innovación de las capacidades industriales del Sistema Nacional de Salud

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9:00-9:20 Reception

9:20-9:40

Presentation of the event.

Pilar Gayoso, (Deputy Director General of ISCIII), Lluís Blanch (ITEMAS Coordinator), Guillermo Velasco (Spanish EBRAINS Node Leader and Innovation Unit of the Human Brain Project (HBP). Universidad Politécnica de Madrid (UPM)) and Bryan Strange (Scientific Director of the Spanish EBRAINS Node. Polytechnic University of Madrid (UPM)).

9:40-10:10

Brain Connectomics: New Technologies and the Significance of Interdisciplinary Collaboration.

Javier de Felipe (Researcher Cajal Laboratory of Cortical Circuits (CTB; UPM) and Cajal Institute (CSIC)).

10:10-10:40

Neurodata and clinical neurology: current status and future history.

David Ezpeleta (Neurologist. Spanish Neurology Society (SEN) and Quiron Salud).

10:40-11:10

Digital Brain Twins in EBRAINS.

Viktor Jirsa (Chief Science Officer of EBRAINS. Director of Research at Centre National de la Recherche Scientifique (CNRS)). **Idioma: Inglés**.

11:10-11:40

The perspective of EBRAINS tools in HBP research.

Marissa Diaz Pier (Scientific Liaison Unit (SLU) of EBRAINS - Jülich Supercomputing Centre (JSC)).

11:40-11:50 Questions

11:50-12:05 Coffee Break - Networking

12:05-12:30

Scientific line of the Spanish EBRAINS Node: challenges and opportunities.

Bryan Strange (Scientific Director of the Spanish EBRAINS Node. Universidad Politécnica de Madrid (UPM)), Miguel Calero (Scientific Representative of ISCIII in the Spanish EBRAINS Node) and Guillermo Velasco (Leader of the Spanish EBRAINS Node and HBP Innovation Unit. Polytechnic University of Madrid (UPM)).

12:30-13:00

Innovation, technology transfer and investment in Neurotechnology.

Christian Suojanen (CEO Broadreach Global, Startup Advisor & Board Member / European Brain Foundation, US).

13:00-13:30

Towards brain data governance: ethical challenges and opportunities.

Arleen Salles (Senior Researcher Institute of Neuroethics (IoNx, US)).

13:30-13:45

Presentation of the study "Acquisition, management and use of clinical data in neuroscience and artificial intelligence".

Teris Duran (UPM Researcher), Francisco García (ISCIII Researcher) and Guillermo Velasco (Leader of the Spanish EBRAINS Node).

13:45-13:55 Questions

13:55-14:00

Closure of the event.

Guillermo Velasco & Bryan Strange.

14:00-15:00 Networking Lunch Matchmaking

HBP | EBRAINS | UPM | ISCIII | CSIC | BROADREACH GLOBAL | AMU | IoNx