Friday 29th Nov

Centro Linguistico di Ateneo (CLA) - Room T4

14:45 Welcome & Introduction PONS organizers

15:00 Personalized Electric Field Simulations in TMS and TES using SimNIBS: Applications in Research and Clinical Practice Torge Worbs

15:30 Bridging Worlds: How does Computational Modeling at Multiple Scales Help us Understand Brain Stimulation and Function? Aaron Miller

16:00 Coffee break

16:30 Multiscale Brain Modeling: Toward Digital Brain Twins Doris Pischedda

17:00 Mapping the brain in space: how microgravity can be used to model ageing Marco Marino

17:30 Break

17:45 In silico modeling, from neurons to functional networks: simulations of cerebellar learning Carlo Andrea Sartori

18:15 Computerized approaches to mimic the semantic neural network: Novel paths to understanding mental pathologies Iván González Gracia

Saturday 30th Nov

Psico 2 building & Aula Multiuso (AMU)

10:00 Graph Theory Connectivity applied to the Human Brain, Room 4M Arianna Menardi

Spiking Neural Networks: graphical and coding approaches for modeling neurons and networks, Room 4N Frauncesco De Santis

Attention and Vigilance decrement as measured with the ANTI-Vea task: Vigilance, Attention control, and mind-wandering, Room4R Juan Lupiáñez

SimNIBS: Introduction and Tutorial, Room 4T Torge Worbs

13:00 lunch break

14:30 poster session, Aula Multiuso (AMU)

PONS 2024