

# D-MEM OPENING CEREMONY



## Pierre J. Magistretti

King Abdullah University of Science and  
Technology (KAUST)

March 13, 2025 – 4.30 PM  
Aula G09, via Golgi

### Neuron-glia metabolic coupling mediated by lactate: relevance for neuroenergetics, plasticity and neuroprotection

He is a Distinguished Professor at the BESE Division of KAUST (King Abdullah University of Science and Technology) and Emeritus Professor at the Brain Mind Institute of EPFL and the Departments of Psychiatry of UNIL/CHUV and UNIGE.

Magistretti discovered the central role of glial cells in brain neuroenergetics. He identified the fundamental physiological function of glia and lactate in the brain. These discoveries have unveiled the origin of signals detected by functional neuroimaging, as well as the role of astrocytes in neuronal plasticity and neuroprotection