Whole brain approaches to C. elegans neuroscience



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APERO after the colloquium Monday May 15th 16:15 Room CE 2 Small animals like nematodes and whole-brain fruit flies permit approaches to measuring the neural dynamics and mapping the circuits that give rise to behavior. Wholebrain activity is mutually contingent on behaviour itself, especially for natural behaviours which require dynamic interaction between the animal, its environment and other animals. Many of the signalling and feedback pathways that animals use to guide behaviour only occur in moving animals. freelv Recent technological advances have enabled whole-brain recording during and behavior whole-brain Caenorhabditis connectomics in will elegans. discuss new experimental opportunities and challenges in this emerging field of systems neuroscience.

Or on zoom https://epfl.zoom.us/j/62347702816

Host: Sahand Rahi