

## ***BIFI-Talks 2021***

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### **Approaches from physics of complex systems to model the brain in vitro**

Neuroengineering is one of the most exciting techniques in modern neuroscience. The capacity to design controlled environments for the neurons to grow and interconnect is opening new frontiers for the development of accurate in vitro systems that reproduce complex brain functions. In this talk, I will present relatively simple yet surprisingly enlightening experimental designs that are analyzed in the context of dynamical systems and complex networks. The experiments, and the analytical toolboxes that we derived, are helping us to better understand the intricate relationship between connectivity and dynamics in living neuronal networks, and are opening new avenues for the treatment of neurological disorders.

***DIA Y HORA: 12 DE NOVIEMBRE A LAS 12:00***

***ONLINE: ZOOM Seminar***

***Link: <https://us02web.zoom.us/j/88242666124>***