



I meeting del Laboratorio

Aperti a tutti

Venerdì 8 Novembre 2024

Evento su Teams, Ore 14.00

Revolutionizing Life Science Research with High Resolution Organ-on-Chip Technologies

Antonella Di Bello, PhD **3Brain AG**

ABSTRACT

3Brain is a Swiss-based company that first recorded cell activity using intelligent cell culture plates, enabling the production and development of CMOS technology to revolutionize scientific research.

Understanding network activity of excitable cells such as cardiac and nerve cells is crucial for studying complex physiological and pathological processes. However, current techniques struggle to capture network dynamics at the level of individual cells. This seminar introduces a new technology by 3Brain, called CorePlate™ which overcomes such issues. It consists of an intelligent plate that records network activity at single-cell resolution, empowering researchers to gain unprecedented, high-content functional insights from cell cultures, tissue slices and organoids.



In this seminar we will explore the following topics:

- Utilizing intelligent plates for recording electrical activity in neuronal and cardiac cultures.

BIOSKETCH ANTONELLA DI BELLO · PHD

Dr. A. Di Bello obtained PhD from the Università degli Studi di Pavia in Italy. She has been specialized in the characterization of neuromuscular junctions at the molecular level. With a robust background in proteomics and nanotechnology, Dr. Di Bello currently serves as a Sales Representative at [3Brain AG](https://www.3brain.com).

Evento su Teams [Partecipa alla riunione ora](#)