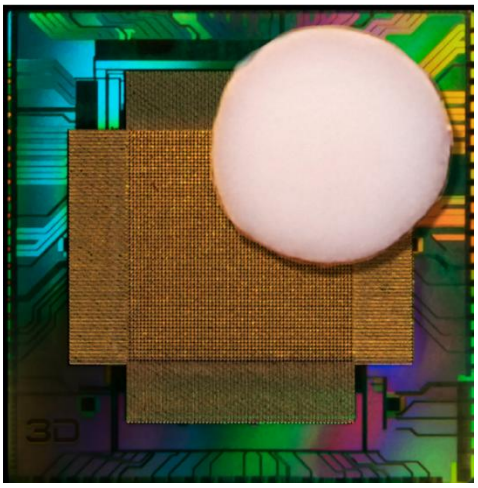
Discover more at www.3brain.com



3Brain CorePlate™ and CorePlate-3D Technologies, modern functional-imaging technique for next-gen Neuroscience

Presentation by Sercan Deniz (3Brain, Switzerland)

Focus topics:

- Advancing research with Brain Organoids
- Insights from 2D stem-cell-derived or primary neuronal cultures
- High-resolution functional imaging with brain slices

3Brain is at the forefront of deep-tech innovation, developing advanced microchip-based technologies designed to redefine life science research. Our primary mission is to empower researchers with state-of-the-art tools that facilitate the study of electrical activity in in-vitro and ex-vivo models.
At the center of our innovations is CorePlate™, the world's first intelligent cell culture plate capable of real time electrophysiological recording and simultaneous visualization of thousands of electrodes in 2D or 3D format. This technology is crucial for advancing the understanding of key physiological and pathophysiological processes and discovering the mechanisms and potential treatments of a vast array of neurodegenerative and developmental diseases.
This talk will provide a comprehensive overview of CorePlate™, focusing on its role in advancing neuroscience research. We will discuss the technical foundations of CorePlate™, including its 3D electrode technology, and explore its significant research applications for brain organoids, neuronal cultures and brain slices in neuronal development and disease modelling.

Contact us

Sercan Deniz
3Brain Senior Sales Manager
Email sercan.deniz@3brain.com

Visit 3Brain Website Contact 3Brain