



Room 103C: Monday, February 12

9:30 AM – 11:00 AM

Sophion Bioscience A/S

Recent Advances in Automated Patch Clamp Assays Using Primary and iPSC-Derived Cells; and Virtual Screening for Modulators of KCa, Nav1.7, and GABA-A Channels: Does it Work?

Successful ion channel drug discovery requires the integration of multiple technologies and workflows. Sophion Bioscience is a leader in automated patch clamp technology, providing low, medium and high throughput patch clamp systems to the drug discovery industry and academia. The QPatch and Qube are fully automated patch clamp systems, executing simultaneous 16, 48 or 384 parallel patch clamp recordings in conjunction with computer controlled liquid handling and on-board cell handling. The QPatch Compact is a manual patch clamp system that can execute individual or simultaneous 8 patch clamp recordings. Sophion provides customers with robust, ion channel and electrophysiological workflows for the drug development of ion channel targets.

During this workshop, speakers will provide insight into the use of these systems with primary and iPSC cells, and the use of virtual screening in comparison to automated patch clamp in the drug discovery process.

Speakers

Daniel Sauter, Scientific Sales Manager, Sophion Bioscience A/S

Heike Wulff, Professor, University of California, Davis