



BPS2023

67th Biophysical Society Annual Meeting
February 18–22, 2023

**SAN
DIEGO**
CALIFORNIA, USA

Tuesday, February 21

11:30 AM – 1:00 PM

Room 9

Sophion Bioscience A/S

Electrophysiological Characterization of Cardiac Myocytes Using Sophion Bioscience's Automated Patch Clamp Systems and the Intracellular Side of Axxam Electrophysiology

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 drug development of ion channel targets.

During this workshop, industry speakers will provide insight into the use of these systems in the drug discovery process. Dr Daniel Sauter will present automated patch clamp data to show the electrophysiological characterization of cardiac myocytes using automated patch clamp on Sophion Bioscience systems. Dr Manuel Paina will present data on the use of Sophion to research intracellular ion channel targets.

Speakers

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

Manuel Paina, Organellar Electrophysiology Supervisor, Axxam S.p.A