Monday, February 21
2:30 PM – 4:00 PM
Esplanade, Room 158
Sutter Instrument

Scientists Empowering Scientists
For over 47 years, Sutter Instrument has been constantly designing equipment so that scientists can push the limits. With an extensive suite of products that include micropipette fabrication, micromanipulation, imaging, microscopes, noise isolation, perfusion, and amplifier systems Sutter can be a single source for building a patch clamp rig from the ground up.

In our popular series of free user meetings and webinars with tutorial presentations, we provide step-by-step guidance to the new researcher as well as advanced tips and tricks for the experienced users. The focus for this user meeting will be on micropipette fabrication for electrophysiology and microinjection applications, as well as the Sutter amplifiers used for patch clamp recording. We will describe research protocols requiring Sutter pipette pullers, the gold standard for creating highly accurate and reproducible pipette geometries, several unique micropipette shapes for specialty applications and use case scenarios for the Sutter amplifier systems.

The Amplifier System product line has been expanded and perfectioned since its first introduction in 2016. Built on the common theme of integrating the common principle of integrated data acquisition systems and included SutterPatch® Software, the spectrum now spans from the basic IPA® whole-cell system with a single headstage to the flagship dPatch® Amplifier System suitable for sophisticated dynamic clamp experiments, single-channel recordings, and high-bandwidth applications. The digital architecture of the dPatch System constitutes a technology shift that enables dynamic clamp capability without the need for pricey and/or cumbersome external components.

In the Q&A session, the speakers will also be available for questions or detailed suggestions on particular applications.

Who should attend?

- Electrophysiologists who use amplifiers, micropipettes and micromanipulators for patch clamp, sharp electrode, or extracellular recordings.
- Researchers who perform patch clamp recordings or microinjections in tissue slices, dissociated cells, cell lines or *in vivo* preparations.
- Anybody who is interested in pulling micropipettes, or in the latest feature-rich hardware and software for electrophysiology applications.

Speakers
Jan Dolzer, Director of Marketing, Sutter Instrument
Telly Galiatsatos, Tech Support and Product Development, Sutter Instrument
Adair Oesterle, Support Engineer, Sutter Instrument