

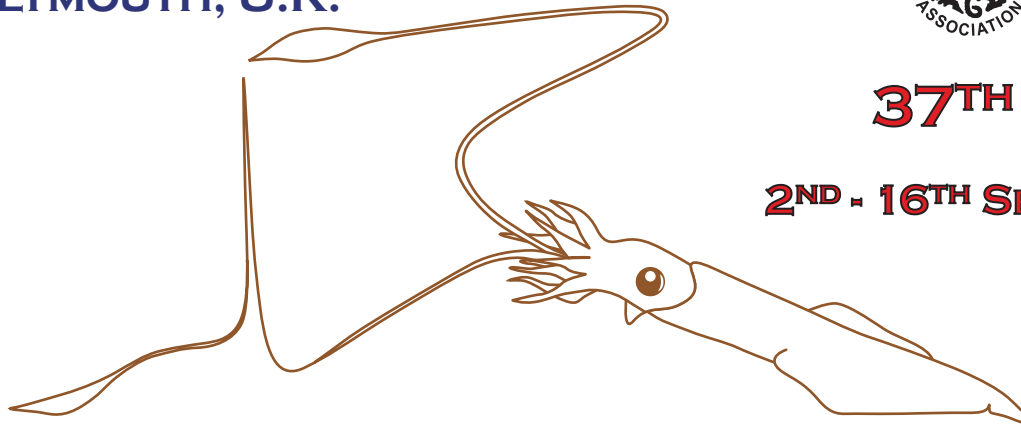
# MICROELECTRODE, PATCH CLAMP AND OPTICAL TECHNIQUES FOR CELL PHYSIOLOGY

THE MARINE BIOLOGICAL ASSOCIATION  
PLYMOUTH, U.K.



**37<sup>TH</sup> WORKSHOP**

**2<sup>ND</sup> - 16<sup>TH</sup> SEPTEMBER 2020**



Electronics

Slice recording

Transgene and virus labelling

Amperometry and Capacitance

Fluorescent indicators

Dynamic Clamp

Voltage clamp

Permeabilised patch

Photoactivation

Ion-selective electrodes

Extracellular recording

Channel reconstitution and Bilayer recording

Patch clamp and Whole cell clamp

Intracellular injection

Optogenetics

Microscopy

Multielectrode recording

A variety of marine and other preparations will be used to illustrate the possibilities and limitations of these techniques. The workshop is intended mainly for postgraduate students and postdoctoral workers from any discipline who wish to learn these techniques for use in their research.

**The course fee, which includes accommodation, will be £1500. Some bursaries will be available for students unable to obtain grant support.**