

# MICROELECTRODE TECHNIQUES FOR CELL PHYSIOLOGY

THE MARINE BIOLOGICAL ASSOCIATION  
PLYMOUTH, U.K.

A WORKSHOP

7TH - 21ST SEPTEMBER, 2005



Electronics

Voltage clamp

Bilayer recording

Patch clamp

Ion-sensitive electrodes

Capacitance measurement

Intracellular injection

Fluorescent indicators

Microscopy

Slice recording

Flash photolysis

Amperometry

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 biological discipline who wish to learn these techniques for use in their research.

**The course fee, inclusive of full board, will be £1200. Some bursaries may be available for students unable to obtain grant support.**

**Staff who taught on the 2004 workshop were:** B. Barbour, M. Beato, D. Becker, M. Begg, L. Bertetto, D. Billups, J. Bothwell, C. Brownlee, T. Carter, M. Canepari, A. Chrachri, C. Courtice, T. Dyett, N. Emptage, A. Gibb, N. Gill, C. Hatton, A. Hill, D. Jagger, S. Jones, C. Kirby, R. Lape, D. Lewis, D. Ogden, G. Passmore, V. Piotrowski, W. Potter, J. Robbins, S. Schorge, M. Stocker, M. Stopps, A. Taylor, M. Thomas, L. Vargova, J. Voipio, N. Wanaverbecq, K. Wann, R. Williamson, G. Zupancic.

**Visiting lecturers:** H. Affolter, W.B. Amos, T. Bliss, D. Colquhoun, J. Dempster, P. Langton, T. Margrie, O. Paulsen, R. Polder, S. Reichelt, A. Williams.

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### **Application details:**

On Internet <http://www.mba.ac.uk/courses>

**David Ogden**, National Institute for Medical Research, The Ridgeway, London NW7 1AA, U.K.  
<http://www.nimr.mrc.ac.uk/microelectrode>

**Closing date for receipt of applications 30th April 2005**

### **MICROELECTRODE TECHNIQUES - SPECIAL OFFER**

**Second Edition (1994)** available of this enlarged and updated BESTSELLER, based on the workshop. 450 pages, casebound, for only £6 (\$10) including postage and packing. On line text [www.Biologists.com](http://www.Biologists.com)

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