

UTS: PAM FLUOROMETER WORKSHOPS

INTRODUCTORY WORKSHOP



At University of Technology Sydney, we offer one of the most comprehensive suites of fluorometer training courses in the Southern Hemisphere. We have postgraduate students applying most of these fluorometers to advanced research applications ranging from photokinetics of Antarctic sea-ice algae to understanding the photosynthetic weakness of corals when exposed to bleaching conditions. The Aquatic Photosynthesis Group has over 10 years of experience in applied use of PAM fluorometers and over 40 internationally published research articles based on this technology.

We offer practical hands-on training workshops in all aspects of use and understanding of PAM fluorometers; Associate Professor Peter Ralph has run six PAM training courses throughout Australia and internationally.

We currently offer two PAM training courses; the introductory workshop and specialist workshop.

INTRODUCTORY WORKSHOP

The Introductory workshop is a two-day hands-on course that enables attendees to tailor the training to their particular needs.

ENTRY REQUIREMENTS

Designed for all novice PAM-users. Those who have recently purchased a fluorometer and have limited background in this field are well suited to this style of training. Attendees could be postgraduate students, government employees, biologists, consultants; typically a mix of university and public sector research staff.

LEARNING ENVIRONMENT

Class size will be between minimums of five to maximums of ten. Copyrighted training material will be provided. Attendees will also be provided with examples of typical PAM applications and then discuss the appropriate analysis of the data. It is best if the attendee sends a brief outline of their anticipated application of the PAM, so the tutor can focus discussion in areas of interest to the workshop attendees.

Overview – Day 1

Seminar: Introduction to PAM and how PAM works?

Practical exercises: What controls the fluorescence signal?

Seminar: Practical explanation of PAM measurements

Practical exercises: Understanding of basic measurements; F_v/m and F/F_m'

Tutorial: What is the appropriate measure to use?

*Day 2**

Seminar: Fluorescence-based analysis of photosynthesis

Practical exercises: Rapid Light Curve

Seminar: Understanding of some complex measurements; quenching analysis

Practical exercises: Induction and relaxation of fluorescence

Tutorial: Practice run of an experiment and how to analyse the data.

COST: A\$200 per-person for 2 days

VENUE: UTS City Campus, Broadway.

HOW TO REGISTER?

Download the registration form from www.shortcourses.uts.edu.au/pub/searchform.php (use keyword Science or PAM) and fax the completed form to 02 9514 1656

MORE INFORMATION?

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