Practical In Vivo Research Skills

Module Overview

A Home Office Personal Licence, for which training is provided, is a prerequisite for this course.

This module will enable you to appreciate difficulties and gain competence in recordings of multiple physiological parameters in real time. To develop forward thinking, recognition of artefacts and interference, the importance of calibration, on-line computation of recorded data etc. To gain additional skills of improved manual dexterity, development of surgical skills, appreciation of the fragility of living tissue, potential artefacts introduced by tissue preparation. 2 short courses in instrumentation for invasive recording and biotelemetry.

Credits

20 credits

Attendance Required

Full time attendance (5 days per week) for 4 weeks in Semester 1

Module Dates

Four weeks in Semester 1

Assessment

- Laboratory practical reports 70%
- Oral/poster presentation 30%

Academics involved in the delivery of this module

The programme is organised jointly by two senior academics: Dr TA Lovick, Reader in Neuroscience and Dr S Egginton, Reader in Cardiovascular Physiology, with more than 50 years experience between them in teaching at undergraduate and postgraduate level students of biomedical science, medicine, dentistry and nursing.

We currently have approximately 140 other members of academic staff actively engaged in in vivo work, including 23 senior staff who contribute to our undergraduate teaching and are thus in an ideal position to extend training to Masters level. Importantly, therefore, training will be offered as an integral part of active research programmes.

Industrial contributions to the course will include AD Instruments, Oxford, UK and Telemetry Research, Auckland, New Zealand. Lectures and visits have been arranged with Astra Zenica, GSK and Pfizer.

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Course fact file

Type of Course: Module

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