

Experimental Design Workshop



April 7-8, 2008

Faculdade de Ciências Médicas, UNL

The course aims at saving time, money and animals in experiments

Theoretical sessions – 10 hours

Why design? Ethics, money and time
The 3 Rs and the link between study design and reduction
Statistical basis of the planning of experiments
Determination of sample size and hypothesis testing
The importance of careful planning
Non-statistical aspects of experimental design
Design of environment
Applicability and practical randomization
Animal model selection and design implications
Cost/benefit assessment and application of the 3 Rs
The influence of experimental technique on precision and bias
Statistical analysis of experimental data
Classical statistical tests and Regression models - linear and logistic
Repeated measures
Project management and reporting in Portugal

Practical sessions – 6 hours

Case Studies in Optimizing Experimental Design
Participants' own design and statistics problems

Invited Lecturers:

Bryan Howard, Universities' Federation for Animal Welfare
Timo Nevalainen, Kuopio University, Finland
António Gouveia, Fac. Ciências Médicas, UNL, Portugal



ORGANIZED BY:



SPCAL

Sociedade Portuguesa de
Ciências em Animais
de Laboratório

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Before March 20	After March 20
SPCAL Ass €145	SPCAL Ass €190
Non Ass €195	Non Ass €245

Fees incl: documentation, lunch & coffee

Details, Program and Registration - www.spcal.pt and www.fcm.unl.pt

