



Introductory Course in Laboratory Animal Science: The Ethics and Care of Laboratory Animals in Research

The UCT Research Animal Facility will present its biannual introductory course in laboratory animal science from:

Monday 10 November – Friday 14 November 2014 (daily from 1 to 5 pm)

Attending the 20-hour course and passing its assessments is a requirement for performing hands-on animal research in the UCT Faculty of Health Sciences (FHS).

The course is aimed at all personnel who design or conduct animal research/teaching activities at UCT and in South Africa, with the objective to present the basic principles and facts that underlie the responsible and ethical care and use of non-human animals for scientific purposes. The UCT FHS Animal Ethics Committee accredits the course and a certificate will be issued upon successful completion of the course.

Course contents include (**course schedule overleaf**):

- **Animal ethics** (moral philosophy; legislation; standards; UCT policies; reduction, refinement & replacement)
- **Animal welfare** (welfare monitoring; humane endpoints; euthanasia; anaesthesia; analgesia; surgical principles)
- **Biology & husbandry** (normal behaviour; housing; enrichment; nutrition; anatomy; physiology; genetics)
- **Research quality** (study design; model validity; calculating sample size; statistics; limiting confounding factors)
- **Ethical review** (how to complete an Animal Ethics Committee application to ensure a rapid turn-around time)
- **Practical training** (normal behaviour; handling, restraining & weighing mice & rats; administering injections)

Venue: Faculty of Health Sciences, University of Cape Town, Chris Barnard building, 5th floor lecture theatre

Course Fee: R 600 per person (UCT personnel); R 1,200 per person (External institutions)

Course Committee

- Dr Bert Mohr – Veterinarian: BVSc, MMedVet, DPhil, Dipl. European College of Veterinary Internal Medicine
- Mr Rodney Lucas – Laboratory Animal Technologist: National Diploma in Laboratory Animal Technology
- Sr Janet McCallum – Veterinary Nurse: National Vocational Qualification in Veterinary Nursing

We look forward to welcoming you to the course!

To register: please email your completed registration form (below) to Ms Siziwe Xozwa at Siziwe.Xozwa@uct.ac.za

Registration Form: UCT Introductory Course in Laboratory Animal Science

PLEASE COMPLETE IN BLOCK LETTERS

Applicant name:

Institution name:

Faculty & Department:

Name of Supervisor:

Current qualifications:

Degree enrolled for:

Animal species studied:

Email address:

Short title of research:

Fund number for payment:

Cost Centre for payment:

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Course Schedule: 10 November – 14 November 2014

Day	Time	Topics	Presenters
Monday	1-2 pm	Value of animal research; animal sentience; the 5 freedoms; the 3 Rs: Reduction, Refinement & Replacement	Dr Bert Mohr
	2-3 pm	National legislation & standards; UCT policy & Animal Ethics Committee structures; research integrity	Dr Bert Mohr
	3-4 pm	The moral philosophy of animal experimentation	TBA
	4-5 pm	Ethical review: Animal Ethics Committee application	Dr Bert Mohr
Tuesday	1-2 pm	Practical: Recognising normal behaviour; handling & sexing mice & rats; weighing rodents	Mr Rodney Lucas, Sr Janet McCallum
	2-3 pm	Normal rodent behaviour (video); animal handling; administering substances; blood collection & volumes	Mr Rodney Lucas, Dr Bert Mohr
	3-4 pm	Recognising discomfort, fear, pain, physical deterioration, suffering, distress & lasting harm	Mr Rodney Lucas, Dr Bert Mohr
	4-5 pm	Humane endpoints; welfare monitoring of animals	Dr Bert Mohr
Wednesday	1-2 pm	Practical: Handling & restraining mice & rats; administering mock injections (i/p & s/c)	Mr Rodney Lucas, Sr Janet McCallum
	2-3 pm	Housing, husbandry, environmental enrichment, nutrition, anatomy, physiology, genetics, breeding	Dr Bert Mohr
	3-4 pm	Animal models, microbial categories of animals, study design, sample size, limiting confounding variables	Dr Bert Mohr
	4-5 pm	Ethical review: Animal Ethics Committee application	Dr Bert Mohr
Thursday	1-2 pm	Practical: Handling & restraining mice & rats; administering injections (i/p & s/c); rodent euthanasia	Mr Rodney Lucas, Sr Janet McCallum
	2-3 pm	Euthanasia & analgesia; research on fetuses & eggs	Dr Bert Mohr
	3-4 pm	Euthanasia & analgesia; research on fetuses & eggs	Dr Bert Mohr
	4-5 pm	General anaesthesia & surgical principles	Dr Bert Mohr
Friday	1-2 pm	Ethical review: Animal Ethics Committee application	Dr Bert Mohr
	2-3 pm	Discussion session (course attendees' questions)	Dr Bert Mohr
	3-4 pm	Examination (written; closed book)	Dr Bert Mohr
	4-5 pm		