

## 2008 Training Program "Research Animal Training Scheme"

### Program objectives:

The overall aims of this program are to provide researchers using animals with the knowledge and practical skills to ensure:

- compliance with the legislation
- humane animal use
- ethical animal use
- minimisation of risks associated with the use of animals

### Potential participants:

Persons who are/will be working or studying in areas in which animals are used for research or teaching purposes (eg. under-graduate students, honours students, post-graduate students, and experienced researchers who wish to update their knowledge).

### Presentation:

The program consists of on-line learning, tutorials and practical sessions. Participants may participate in or attend all/any of the modules. However, it should be noted that some modules are prerequisites, and Module One must be completed before participation in any other modules.

### Assessment:

Self-study, workplace training, and supervisor and trainer assessment, in addition to participation in the program, are required for successful achievement of competency. Assessment methods vary with the module type and include on-line assessment, assignments, and work-place assessment. Recognition of Prior Learning is an acceptable part of the assessment process. Further information is available as part of the on-line material provided via Blackboard available at the [University of Newcastle website](#) or from the program trainers.

### Resource material:

1. Comprehensive information and notes are provided online via Blackboard available at the [University of Newcastle website](#). Provision of information on a CD-ROM is available on request (see [Order Form](#)).
2. DVDs and CD ROMs. The presentation of the program involves the extensive use of videos, DVDs and CD ROMs. These are available for loan from the Auchmuty Library, University of Newcastle (for use within the library only). Participants may also wish to purchase copies, with contact details provided below.

<u>Title</u>	<u>Source</u>
"Principles of aseptic surgery". DVD.	The University of Newcastle. See <a href="#">Order form</a>
"Laparotomy in the rat". DVD.	The University of Newcastle. See <a href="#">Order form</a>
"Careful how you hold me". CD Rom	The University of Melbourne. <a href="http://eshowcase.unimelb.edu.au/eshowcase/">http://eshowcase.unimelb.edu.au/eshowcase/</a> (Search the catalogue for CD Rom title)
"Pain assessment in the rat". CD Rom	Professor Paul Flecknell, University of Newcastle upon Tyne, UK. <a href="http://www.digires.co.uk/video.html">http://www.digires.co.uk/video.html</a>

<b>Title</b>	<b>Source</b>
"Pain assessment in the rat". CD Rom	Professor Paul Flecknell, University of Newcastle upon Tyne, UK. <a href="http://www.digires.co.uk/video.html">http://www.digires.co.uk/video.html</a>
"Laboratory animal anaesthesia: Small mammals 1. Rat and Mouse". CD Rom	Professor Paul Flecknell, University of Newcastle upon Tyne, UK. <a href="http://www.digires.co.uk/video.html">http://www.digires.co.uk/video.html</a>
"Laboratory animal anaesthesia: Small mammals 2. Rabbit and Guinea Pig". CD Rom	Professor Paul Flecknell, University of Newcastle upon Tyne, UK. <a href="http://www.digires.co.uk/video.html">http://www.digires.co.uk/video.html</a>
"Laboratory Animal Anaesthesia: Anaesthesia of the Cat and Dog". CD Rom	Professor Paul Flecknell, University of Newcastle upon Tyne, UK. <a href="http://www.digires.co.uk/video.html">http://www.digires.co.uk/video.html</a>

## **PROGRAM OUTLINE AND STRUCTURE**

### **MODULE 1: Introduction to the use of animals in research (On-line)**

<b>Description:</b>	On-line course covering the legislative and institutional requirements governing the use of animals for research and teaching at the University of Newcastle, and the principles and practice of animal care and welfare.
<b>Prerequisite:</b>	Working or studying in areas in which animals are used for research or teaching purposes.
<b>Availability:</b>	This module is provided via Blackboard available at the <a href="http://www.digires.co.uk/video.html">University of Newcastle website</a> . Once your registration details are received, you will be enrolled in the course and will have access to Blackboard.
<b>Cost:</b>	\$35.00 (University of Newcastle staff/students) \$110 (External)
<b>Assessment:</b>	<ul style="list-style-type: none"> <li>• On-line quiz</li> <li>• Assignments</li> <li>• Workplace assessment.</li> </ul>
<b>Additional information:</b>	<b>This module is a pre-requisite for Modules 2-6.</b>

### **MODULE 2: Applications to an Animal Ethics Committee (Tutorial)**

<b>Description:</b>	Tutorial on the completion of an application to an institutional Animal Ethics Committee, assessment of applications by the Committee, and the principle issues that must be addressed by the applicant.
<b>Prerequisite:</b>	Satisfactory results following completion of the on-line quiz for Module 1 by 9am, 10 March 2008.
<b>Availability:</b>	Date and venue to be advised.
<b>Cost:</b>	\$35.00 (University of Newcastle staff/students) \$110 (External)
<b>Assessment:</b>	Assignments.
<b>Additional information:</b>	<b>This module is a pre-requisite for Modules 4, 5 and 6.</b>

### **MODULE 3: Monitoring, pain management and anaesthesia (On-line)**

<b>Description:</b>	On-line course covering the monitoring of animal well-being, the assessment and management of pain and distress in animals, and the principles of anaesthesia.
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<b>Prerequisite:</b>	Satisfactory results following completion of the on-line quiz for Module 1 by 9am, 10 March 2008.
<b>Availability:</b>	This module is provided via Blackboard available at the <a href="#">University of Newcastle website</a> . Once your registration details are received, you will be enrolled in the course and will have access to Blackboard.
<b>Cost:</b>	\$35.00 (University of Newcastle staff/students) \$110 (External)
<b>Assessment:</b>	<ul style="list-style-type: none"> <li>• On-line quiz</li> <li>• Assignments</li> <li>• Workplace assessment.</li> </ul>
<b>Additional information:</b>	<b>This module is a pre-requisite for Modules 4, 5 and 6.</b>

#### **MODULE 4: Animal care, handling, and monitoring; and basic research procedures (Practical Session)**

<b>Description:</b>	<p>Practical session involving:</p> <ul style="list-style-type: none"> <li>• Demonstration of basic animal care and handling, administration of substances (including injection techniques and gavage), and blood collection.</li> <li>• Interactive discussion on the monitoring of animal well-being.</li> <li>• Demonstration of the conduct of an autopsy.</li> </ul> <p>All participants will have the opportunity to obtain “hands-on” experience with the demonstrated techniques.</p>
<b>Prerequisite:</b>	<ol style="list-style-type: none"> <li>1. Satisfactory results following completion of the on-line quiz for Module 1 by 9am, 10 March 2008, and Module 3 by 9am, 18 March 2008.</li> <li>2. Attendance at Module 2.</li> </ol>
<b>Availability:</b>	Date and venue to be advised.
<b>Cost:</b>	\$50 (University of Newcastle staff/students) \$140 (External)
<b>Assessment:</b>	<ul style="list-style-type: none"> <li>• Assignments</li> <li>• Work-place assessment.</li> </ul>
<b>Additional information:</b>	<b>The number of participants for this module is <u>LIMITED</u>. This module is a pre-requisite for Module 5 and 6.</b>

#### **MODULE 5: Principles of anaesthesia in rodents (Practical Session)**

<b>Description:</b>	<p>Practical session demonstrating the principles and techniques involved in rodent anaesthesia. Topics covered include gaseous and injectable anaesthesia; pre-anaesthetic assessment, monitoring and assessment of anaesthetic depth, and OHS issues associated with anaesthesia.</p> <p>All participants will have the opportunity to obtain “hands-on” experience with the basic techniques.</p>
<b>Prerequisite:</b>	Attendance at Module 4, and fulfilment of all prerequisites for Module 4.
<b>Availability:</b>	Date and venue to be advised.
<b>Cost:</b>	\$50 (University of Newcastle staff/students) \$190 (External)
<b>Assessment:</b>	<ul style="list-style-type: none"> <li>• Assignments</li> <li>• Work-place assessment.</li> </ul>
<b>Additional information:</b>	<b>The number of participants for this module is <u>LIMITED</u>. This module is a pre-requisite for Module 6.</b>

## MODULE 6: Aseptic surgical techniques (Practical Session)

<b>Description:</b>	Practical session for researchers who will be performing surgery on research animals. Areas covered include instrument identification and use, aseptic technique, preparation of the animal, making incisions, handling tissues, haemostasis, choosing needles and suture material, suturing techniques.
<b>Prerequisite:</b>	<ol style="list-style-type: none"><li>1. Attendance at Module 5, and fulfilment of all prerequisites for Module 5.</li><li>2. Introductory videos/DVDs. Prior to commencement of Module 6, participants must have viewed the introductory videos/DVDs on the "Principles of aseptic surgery", and "Laparotomy in the rat". Copies of the videos and DVDs are available from:<ul style="list-style-type: none"><li>• The Auchmuty Library, University of Newcastle (<i>for use within the library only</i>) or</li><li>• Instructors for the course (email: <a href="mailto:Robyn.Gentle@newcastle.edu.au">Robyn.Gentle@newcastle.edu.au</a> or <a href="mailto:Brian.Carlton@newcastle.edu.au">Brian.Carlton@newcastle.edu.au</a>)</li></ul></li></ol>
<b>Availability:</b>	Date and venue to be advised.
<b>Cost:</b>	\$75 (University of Newcastle staff/students) \$230 (External)
<b>Assessment:</b>	<ul style="list-style-type: none"><li>• Assignments</li><li>• Work-place assessment</li></ul>
<b>Additional information:</b>	<b>The number of participants for this module is <u>LIMITED</u>.</b>

### Directions to training venues:

For directions to training venues, see the University of Newcastle website at:  
<http://www.newcastle.edu.au/research/animal/training.html#directions>

**Registration - "Research Animal Training Scheme"**

**On-line Modules ONLY**

**Please complete a separate form for each participant**

**Forward to:** Newcastle Innovation Ltd, Industry Development Centre, University Drive, Callaghan NSW 2308  
Telephone: (02) 49218777, Facsimile: (02) 49218778, Email: [innovation@newcastle.edu.au](mailto:innovation@newcastle.edu.au)

**Participant Information (ALL sections MUST be completed):**

Title:	
Given Names:	
Last Name:	
Status:	University staff or student: <b>Yes/No</b> External: <b>Yes/No</b>
Area of study/work:	
Supervisor (if student):	
Department/Discipline or Mailing Address:	
Telephone:	
Fax:	
Email address:	
Species of Interest:	
Blackboard username: <i>(See note below)</i>	

*Note: For staff, this will be your Uni ID (eg. abc123). For students, this will be your student number (eg. c3000001)*

Please indicate any special dietary needs or if you require assistance because of a disability:

**Workshop Details:**

	Please <input type="checkbox"/>	Cost	
		University	External (GST inclusive)
#1 Introduction to the use of animals in research: On-line Course	<input type="checkbox"/>	\$35	\$110
#3 Monitoring, pain management, anaesthesia: On-line Course	<input type="checkbox"/>	\$35	\$110
<b>TOTAL COST:</b>			

**Payment Details – 2008 "Research Animal Training Scheme":**

- Cheque and Money Orders.** Payable to "Newcastle Innovation Limited"  
 **Credit Card.** Type of Credit Card (please tick):     MasterCard     Visa

Cardholder's Name (in full): .....

Expiry Date of Card:   –

Card No:

Signature: .....    Date: .....

**For further information, contact Newcastle Innovation Ltd (details above).**