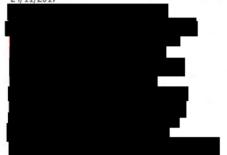


Animal Ethics Application

Application ID:
Application Title:
Date of Submission:
Primary Investigator:
Other Personnel:

0000025516 Rat breeding colony for Victoria University of Wellington 24/11/2017



Intro

Details	of application
	Ethics category code*
	Animal
1.	Current Committee
11	Animal Ethics Committee
	Affilial Ethics Committee
2.	Clearance Purpose code*
	Both Research and Teaching
3.	Application ID
	0000025516
4.	School*
5.	Application Title*
	Rat breeding colony for Victoria University of Wellington
6.	Estimated duration of project. (If ongoing, the maximum approval period is 3 years.)*
	3 years
7.	Does this application require formal approval?*
	Yes
	O No
Projec	t Details
8.	Please list the Principal Investigator (the PI), Co-investigators and Student/Technical Assistants. The Principal Investigator must be academic staff of grade lecturer or above.
	If you are not the principal investigator, please delete your personnel entry below and add your name again, with the correct position title
	Please list all personnel involved in this project. Ensure that all are listed with the correct role.
	Please ensure that only one person is listed as Principal Investigator and ticked as Primary
	To add a person, search for their Victoria ID if known, otherwise either their first or last name (whichever is the most unusual). Click on the magnifying glass to search for results.
	Press the green tick at the bottom right corner to save the person record.
	Add anybody who is involved in this project as:
	Associate Investigator
	Other Researcher PhD Student
	Masters Student Research Assistant
	- noonen

1	Title		
	Given Name		
	Surname		
	Full Name		
	Position		
	Email Address		
	Primary?	No	
2	Title		
	Given Name		
	Surname		
	Full Name		
17.	Position		

	Email Address	
	Primary?	Yes
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	Surname	
	Full Name	April 1992
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	Primary?	No
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10/09/2020 Page 3 / 6

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Anim	nal technician assistants/students will be appropriately to ched document - List of additional Research Assistants involved).	
lease Inter	e list the project funding. * rnal	
av cı	ummary: (Short paragraph for non-scientists; will be ma	de available to the general public.)*
_		roduce the rats needed for the research experiments approved by the Animal Ethics
	mittee of VUW.	roduce the rats needed for the research experiments approved by the Animal Editor
ackg	ground, aim and significance of project: *	
Seve	eral approved research experiments involving rats are c eriments, or to have animals showing particular charact	onducted in our facility each year. In order to have enough animals for these eristics, we would like to maintain our rat breeding colony.
expe tate	eriments, or to have animals showing particular charact where the animals will be housed, who will care for the	onducted in our facility each year. In order to have enough animals for these eristics, we would like to maintain our rat breeding colony. em, how they will be maintained, and who will carry out anaesthesia, surgery and euthanasia: (refer
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	Give the species, strain, sex, age, and source of animals, and state the total number of each species needed for the project. (refer (refer Code vii)*
	Species: Rats Strains: Sprague-Dawley, Long Evans, Wistar SERT mutants (mutation of the serotonin transporter), Wistar D1 mutants (mutation of the dopamine D1 receptor), APO-SUS and APO-UNSUS
	Sex: males and females Number: up to 1176 breeders (588 females and 588 males)
	Does your project require DOC approval?*
	O Yes
	● No
	Justification of animal use. Explain why the proposed use of animals is unavoidable, what alternative approaches are available, and how the number of animals used minimised. (State prior history of animals, and provide statistical or biological justification of numbers.) (refer (refer Animal Welfare Act 1999 s 100)*
	The only purpose of our breeding colony is to produce the rats needed for the experiments conducted in our facility and approved by the Animal Ethics Committee.
	Because we need animals showing standard responses to experimental manipulations and treatments, we need them to be bred in standard conditions in a colony. The breeding colony needs to be on site in order to have enough animals for experiments, and to have animals showing particular characteristics, such as the SERT and D1 mutant rats (not otherwise available in New Zealand). In addition, because many of our experiments involve an environmental component, they can require particular breeding conditions which can only be suitably controlled in our own breeding site. Breeding rats in situ also means they don't need to go through long hours of transport.
м	lanipulation
1 1 1	Pain classification of project: (Please indicate the grade(s) of your manipulation(s):*
	Grade A - no impact
	☐ Grade A - no impact ☐ Grade B - little impact
	Grade C - moderate impact
	☐ Grade D - high impact
	☐ Grade E - very high impact
	Experimental design of project: (give overall design, including details of protocols involving animals, including details of experimental and control groups of animals, as state if the method to be used is standard practice of a new approach. If applicable, give details of risk management and containment procedures.) If the details e a character limit of 4000, please upload details as a document to the Documents page. *
	Animals of the mutant strains (SERT and D1) will be identified by a microchip implanted subcutaneously at 21 days of age, and on the same day, these animals will also be ear-notched for genotyping. Ear-notches may be used in rats of other strains for identification if a harem system is used for breeding (this is likely to happen for the first two generations only, after which monogamous pairs will be established).
	What, if any, statistical advice have you sought for this application?*
	NA
	Surgical procedures: (give details for each type of operation) (Refer_Code, Section 5)* NA
	Provisions for post-manipulation recovery and care - definitions of endpoints - whether based on the aims of the study, humane considerations, or death of animal: Code, Section 5)*
	Microchipping and ear-notching have a low pain impact. Microchips are small (about a rice grain size) and their implantation is similar to an injection with a large needle; it is done at weaning age when there is no discomfort any more. Ear-notching is done in young animals, at an age when no anaesthesia is needed, and performed by trained personnel. After the manipulations, the animals will be monitored for any behavioural or physical change.
	Animals losing 15% of their weight overnight for no explainable reason (for ex. empty water bottle) or showing signs of illness will be euthanised.
	What is the fate of animals at conclusion of study: (refer Code, Section 5)*
	Breeders will be culled when 6-9 months of age, if they consistently have small litters (less than 5-6 pups) or if they repeatedly fail to breed (no pregnancy after paired for 6 weeks).
	Does your research involve anaesthesia or euthanasia?**
	Does your research involve anaesthesia or euthanasia?* Yes
	Yes
	Yes

Documents

27. Upload documents to this page.

Description	Reference	Soft copy	Hard copy
Research Design	List of additional Research Assistants and Students involved in animal husbandry - Rats.docx	4	

		ra		

28.	I am aware that this project is undertaken within the provisions of the Animal Welfare Act 1999, I have read the Victoria University of Wellington Code of Ethical Conduct for the Use of Live Animals for Teaching and Research, and I agree to abide by all the conditions contained in these two documents. In the event of this application being
	approved, I will promptly inform the Animal Ethics Committee of any subsequent unforeseen change or planned modifications to the project, giving explanations for all
	such changes.

I agree to maintain accurate records of all animals used (refer Code, Section 4 (c)) and to make these records available promptly to the Executive Officer of the	Animal
Ethics Committee. If this is a modification. I agree that the proposed changes will be carried out in conformance with the details approved.*	

Yes

O No

29. Please add the Head of School (or delegate) who should be notified about this application. This will be your own Head of School, or the person in your School responsible for Ethics applications. Please check with your School administration team if you are unclear who should be assigned this role.

Once you've searched for your Head of School/delegate, click on the green tick to add them, and then also save the application before submitting.

,	*					
	1	Given Name				
		Surname			. 11	
		Full Name			Par 1	
		Position				

AEC Administration (committee use only)

AEC Internal File Reference	
This question is not answered.	
Date Approved	
14/12/2017	
Date IDAO Approved	
This question is not answered.	
AEC notes on application	
To start on 1/1/2018	
This project is approved until this date of expiry 01/01/2021	
Date Reapproved	
Подражения	
This question is not answered.	

Rat breeding colony for Victoria University of Wellington – List of additional Research Assistants and Students involved in animal husbandry

Name	Position	Email address	
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