

15<sup>th</sup> December 2009

Associate Professor Xianqin Qu  
Medical and Molecular Biosciences  
CB04.06.41B  
University of Technology, Sydney

**Animal Care Ethics & Committee**  
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UTS CRICOS PROVIDER CODE 00099F

Dear Xianqin,

Re: UTS ACEC 2009-325A – X. Qu, C. Yuan, X. Wang, L. Mairs, C. Schuller, Y. Tan, P. Searle, Z. Jun – “Effects and Mechanisms of Green Tea Extracts on the Function of Pancreatic Islets in Type 2 Diabetes and Diabetic Complications”

SPECIES - RAT	
Location:	Ernst Facility, UTS
Strain & Common name	Zucker Lean Control rat, Zucker diabetic fatty rat
Total Number	540
Approval dates	15/12/2009 to 15/12/2014 (5 years)

I am pleased to inform you that the UTS Animal Care & Ethics Committee (ACEC) reviewed your Protocol at the meeting of 02/12/09. Your protocol was approved and you have been granted the UTS approval number of UTS ACEC 2009-352A. This is the number you should refer to in future communication with the ACEC secretariat.

The approval of this project is conditional upon you adhering to the conditions outlined on Pages 2–4 of this approval, and continuing compliance with the Animal Research Act (1985 – Animal Research Regulation 2005) and the Australian Code of Practice for the Care and Use of Animals for Scientific Purposes (7th Edition 2004). All participants in the protocol need to sign and return the Acknowledgement of Approval (Page 5).

ACEC approval is valid for five (5) years from the date of this letter. The Animal Research Authority granted will be on a yearly basis subject to receipt of your annual progress reports. Your authority started on 15/12/09 and will expire on 31<sup>st</sup> January 2010.

**Please note that ACEC approval does not constitute approval to order animals or commence research involving animals for this protocol. You must consult the animal facility manager to determine space and housing requirements before you order animals or commence research involving animals.**

Yours sincerely,



**Associate Professor Graham Nicholson**  
Chairperson  
Animal Care & Ethics Committee

### **Conditions of Approval Applicable to all Projects**

1. You, or the investigator in charge of training (if not you), must ensure that all personnel on this protocol have received and successfully completed all adequate and appropriate training before they commence research involving animals. Dr Lachlan Mairs must attend initial use of the oral gavage and injection/surgical procedures and be satisfied that the person/s administering the procedure are comfortable with the procedures and they are being carried out satisfactorily.
2. Animals must not be euthanased within sight or sound of other animals (refer to Clause 3.3.20, of the Australian Code of Practice: "Animals should be killed in a quiet, clean environment, that is away from other animals where possible."). Either intraperitoneal injection of pentobarbitone or slow introduction of CO<sub>2</sub> are acceptable methods for emergency euthanasia.
3. A progress report must be provided to the ACEC every 2 months. Each progress report contain the following information (please use the attached report pro-forma):
  - Number of animals used
  - Procedures carried out in that period
  - Dosage, route of administration and type of any drugs or plant extracts given to animals
  - Who carried out each procedure
  - Number of animals used in each procedure
  - Any adverse events (eg illness of animals, death of animals, unexpected response to treatment)
  - What happened in the case of any adverse events (ie when event happened, when it was reported, who it was reported to, what action was taken, what happened to the animal)
4. In the event of an unforeseen adverse incident (eg unexpected deaths), the Australian Code of Practice (refer to Clauses 2.2.28 and 3.1.12) requires that researchers promptly notify the ACEC ([research.ethics@uts.edu.au](mailto:research.ethics@uts.edu.au)).
5. All cages/pens/tanks used for holding animals must be clearly labelled with the following information:
  - Chief Investigator's Name
  - Approval Number
  - Title of Project
  - Cage/Pen/Tank Number
  - Type of treatment and dosage
  - Date and time of administration
  - Route of administration
  - Initials of person administering procedure
6. The ACEC make regular routine inspections of the animals held by UTS. Researchers must advise the Ernst Facility staff of treatment days to facilitate timing of ACEC inspections.

7. The Animal Care and Ethics Committee (ACEC) reviews and approves protocols for their compliance with the NSW Animal Research Act (and its associated Regulations) and the 2004 NHMRC Australian Code of Practice for the Care and Use of Animals for Scientific Purposes. ALL personnel named on the protocol should be conversant with these documents.

**Websites:**

NSW Animal Research Act 1985:

[http://www.austlii.edu.au/au/legis/nsw/consol\\_act/ara1985134](http://www.austlii.edu.au/au/legis/nsw/consol_act/ara1985134)

NSW Animal Research Regulations 2005:

[http://www.austlii.edu.au/au/legis/nsw/consol\\_reg/arr2005225/](http://www.austlii.edu.au/au/legis/nsw/consol_reg/arr2005225/)

Australian Code of Practice:

<http://www.nhmrc.gov.au/publications/synopses/ea16syn.htm>

8. This approval is in accordance with your original submission together with any additional information provided as part of the approval process. **Under NO circumstances may you, or your co-investigators, depart from the approved protocol without the prior consent of the ACEC.**
9. Any changes to the protocol must be approved by the ACEC before continuation of the experiment. This includes notifying the ACEC of any changes to named personnel, source of animals, animal numbers, location of animals and changes to experimental procedures. The Amendment form can be downloaded from the website:  
<http://www.research.uts.edu.au/policies/restricted/acec.html>.
10. The ACEC approval number must be quoted when ordering animals.
11. You need to submit an annual report to the ACEC at the end of every year, and a final report at completion of the study. Failure to submit reports will result in withdrawal of approval for the project.
12. The procedures outlined in the protocol (including handling, interventions, changes in the types of treatments or dosage, monitoring and disposal of animals) must be strictly adhered to.
13. The ACEC secretariat will forward a copy of this approval letter and the Animal Research Authority to the animal holding facility to be displayed or stored (as appropriate) where your animals are held.
14. If your protocol requires records of daily observations, these forms must be readily accessible to relevant staff and ACEC members in the animal holding facility at ALL times.
15. Researchers should advise animal facility staff if procedures are likely to result in overt clinical/behavioural abnormalities.
16. All animals must be provided with environmental enrichment appropriate for their species, unless experimental procedures specifically dictate otherwise.

17. Animals should not be housed singly unless approved by the ACEC.

### **Acknowledgement of Conditions of Approval**

I have read and understood the approval for UTS ACEC [Number], and agree to comply with the conditions therein:

Signed: \_\_\_\_\_ **(Chief Investigator)**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signed: \_\_\_\_\_ **(Co-Investigator 1)**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signed: \_\_\_\_\_ **(Co-Investigator 2)**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signed: \_\_\_\_\_ **(Co-Investigator 3)**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signed: \_\_\_\_\_ **(Co-Investigator 4)**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signed: \_\_\_\_\_ **(Co-Investigator 5)**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signed: \_\_\_\_\_ **(Co-Investigator 6)**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signed: \_\_\_\_\_ **(Co-Investigator 7)**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signed: \_\_\_\_\_ **(Animal Handler 1)**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signed: \_\_\_\_\_ **(Animal Handler 2)**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signed: \_\_\_\_\_ **(Animal Handler 3)**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signed: \_\_\_\_\_ **(Animal Handler 4)**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signed: \_\_\_\_\_ ( )

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signed: \_\_\_\_\_ ( )

Name: \_\_\_\_\_

Date: \_\_\_\_\_