



**2023 ANZCCART Conference
8 - 10 August 2023
Adelaide, South Australia
Draft Program**

Tuesday 8 August

9.00 ANZCCART Chair Conference opening

Session 1: Animal welfare and models

9.15 Enhancing the Behavioural Repertoires of Rats Through Use of Novel 'Outside the Box' Housing

10.00 Weight loss in laboratory animal science

10.30 Morning tea

Session 2: Emerging topics

11.00 First steps towards developing a welfare assessment framework for stranded cetaceans

11.15 Non-extractive technologies in fish research Z (exact title TBA)

11.30 Decapod crustacean welfare - considerations for an emerging field.

11.45 TBA

12.00 Reviewing and rethinking the role of the veterinarian in animal research

12.30 Lunch

Session 3: AEC Category discussions: Competency Assessment and Training

1.30 Facilitator: Gail Anderson Introductory comments.

How does your AEC ensure that training to gain competence occurs?

1.45 Breakout groups to consider - How does your AEC assess competence now?

What does the gold standard look like?

2.30 Facilitator Groups feedback and summary

3.00 Afternoon Tea



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CONCURRENT SESSIONS		
3.30 Presentations		Alternative session
3.30 Session 4: New approach methodologies in neuroscience		Animal Facility Tour 1 - PIRL / SAHMRI
3.30	Replacing animal models with high-throughput in vitro models, enables modelling of the heterogeneity of glioblastoma and identifies potential therapeutic targets for treatment-resistant disease.	Numbers are limited to 21 people per visit. Depending on demand, additional tours may be arranged for Wednesday and Thursday at 3.00pm. Transport Cost: \$20. Book and pay through Eventbrite. More information is available on the ANZCCART website or on Eventbrite.
3.45	A new platform to replace animal models in brain cancer research: A 3D printed microplate insert for high-throughput and ultra long-term high-resolution imaging of live human brain organoids.	
4.00	A viable replacement for animal models of epilepsy: combining human data with computational modelling.	
4.15	Avoiding Animal Models: Stem Cell Derived Human Neurons Enable the Investigation of Potential Therapeutic Benefits of Modulating Neuronal Electrical Activity in vitro in Parkinson's Disease Research	



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4.30 Replacing animal models: Generating patient-derived induced pluripotent stem cells (iPSC) neurons to model Sanfilippo syndrome (MPSIIIA) for high throughput drug screening.

6.00 Welcome reception

Wednesday 9 August

Session 5: Considerations in ethical review

9.00 AEC consideration of breeding projects; application of the 3Rs

9.30 Reduction of animal use by maximising statistical power

10.00 Addressing the 3Rs through a holistic approach to research animal behavioural management

10.15 Changes in animal facility management and ethics review processes implemented during the pandemic.

10.30 Morning tea

Session 6: The Code and social licence

Facilitator: TBA

11.00 Presenter 1 Ensuring Compliance, Protecting Animals: Animal Welfare Victoria's Comprehensive Approach to Regulating Animals used in Research and Teaching

11.20 Presenter 2 The Code: A Case for Review

11.40 Presenter 3 The contribution of animal research (exact title TBA)



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- 12.00** Presenter 4 What does the Australian public think about animal welfare regulation and priorities for species protection?
- 12.20** All 4 presenters Q&A Session
- 12.45** Lunch

Session 7: National reporting on animal use statistics

- 1.45** Facilitator: Corinne Alberthsen Introductory comments
- 1.50** Corinne Alberthsen National Industry Perspective
- Panel Member 1 NZ Perspective
- Panel Member 2 Government Regulator
- Panel Member 3 Category B
- Panel Member 4 Category C
- Panel Member 5 Category D
- 2.15** Breakout AEC Category Groups
- 2.45** Facilitator Feedback and conclusion
- 3.15** Afternoon tea



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CONCURRENT SESSIONS

Presentations

Alternative session

Session 8: New approach methodologies - part 2

**3.15pm. Animal Facility Tour 2 - PIRL / SAHMRI
Tentative depending on demand.**

3.45 Various presenters TBC

Three-minute thesis presentations (TBC)

This tour will only be run if there is sufficient demand and the previous tour (Tuesday) is fully subscribed. If you would like to attend, please email ANZCCART@adelaide.edu.au with your details.

4.00

Replacing porcine and ovine animal training models with advanced simulators for life saving extracorporeal membrane oxygenation (ECMO) implantation training.

4.15

Developing a 3D chronic wound model using animal-free products

4.30

A Mechanical Heart and Circulatory System to Replace Animal-Based Medical Device Prototyping



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4.45

Replacement of animal derived antibodies with synthetic nanobodies in yeast surface display in the fields of structural biology, biotechnology, and medicine.

7.00 Conference dinner

Thursday 10 August

Session 9: Wildlife and Animal Welfare

9.00

Wildlife Research Welfare Considerations

9.30

ZoosSA: Animal Welfare at Zoological Parks

10.00

Male Reproductive Characteristics and Inbreeding Depression in Wild Koala Populations: Implications for Species Management

10.30

Tracking for conservation: the use of GPS tracking devices for rare birds and feral cats

11.00 Morning tea

Session 10: Openness

11.30

The NSW Inquiry in the use of animals in medical research

12.15

Reflections on transparency in Animal Ethics Committees

12.30

1st Annual report for the NZ Openness Agreement

12.45

The Australian Openness Agreement on Animal Research and Teaching

1.00 Lunch



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Session 11: Animal models and management

2.00	The importance of animal models in obtaining new knowledge.
2.15	Behavioural-based pig management and vascular access ports for blood collection in infectious disease research
2.30	Exploring the physiological roles of circular RNAs in livestock animals
2.45	Electric shock and serum corticosterone in mice
3.00	Lessons learnt from animal models of childhood dementia
3.15	Troubled Waters: Overcoming sipper sack problems in a biomedical research facility
3.30	Preview of ANZCCART conference 2024
3.35 Afternoon tea	End of Plenary Sessions

CONCURRENT SESSIONS

Workshop 1

Alternative Session

3.35 - 5.00pm. Competency Training and Assessment for Animal Users – how do we assure competence is achieved

**3.30pm. Animal Facility Tour 3 - PIRL / SAHMRI
Tentative depending on demand.**

Facilitator: Gail Anderson

Use of the ComPass Phase 3 training materials to meet mandatory competency requirements. No charge.

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Friday 11 August: 9 - 12.00

Workshop 2: Making Training Models and Setting up a Skills Lab to facilitate Competence Training

Facilitator: Gail Anderson

Tour of Helen Mayo Skills Lab at the University of Adelaide and making models to reduce the use of animals in training. Recipes for how to make the models will be given. More information is available on the ANZCCART website and on Eventbrite. Cost is \$50 for materials. Please pay and book through Eventbrite