

ANZCCART

2023 Conference

Adelaide

8 -10 August 2023



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ANZCCART 2023 - Adelaide Conference Program

Tuesday 8th August 2023

9:00 - Alastair Sloan, Chair, ANZCCART Australia Board

Acknowledgement of Country

Conference Opening

SESSION 1: Animal Welfare and Models

Session Chair: Ian Saldanha, ANZCCART NZ Board

9:15 - Pat Turner, Charles River

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

10:00 - Lewis Vaughan, Flinders University

Weight Loss in Laboratory Animal Science

10:30 - MORNING TEA

SESSION 2: Emerging Topics

Session Chair: Pat Cragg, Chair, ANZCCART NZ Board

11:00 - Ngaio Beausoleil, Massey University, New Zealand

First Steps Towards Developing a Welfare Assessment Framework for Stranded Cetaceans

11:15 - Rich Little, CSIRO

Future non-extractive technologies in fisheries research

11:30 - Sarah Berry, CSIRO

Decapod Crustacean Welfare - considerations for an emerging field

11:45 - Laura Thomas, CSIRO Futures

Non-animal models: A strategy for maturing Australia's medical product development capabilities

12:00 - Mandy Errington, EthiQualia & Shari Cohen, University of Melbourne

Reviewing and Rethinking the Role of the Veterinarian in Animal Research

12:30 - LUNCH



Conference Program

Tuesday 8th August 2023

Continued

SESSION 3: AEC Category Discussions: Competency Assessment and Training

1:30 - Facilitator: Gail Anderson, ANZCCART - Introductory Comments

1:45 - Breakout groups - Questions to consider

- How does your AEC ensure that training to gain competence occurs?
- How does your AEC assess competence now?
- What does the gold standard look like?

2:30 - Feedback & Summary

3:00 - AFTERNOON TEA

Concurrent Sessions

3:15- Optional Tour - Animal Facility Tour - PIRL / SAHMRI - SOLD OUT

3:30 - Presentations

SESSION 4, New Methodologies

Session Chair: Alastair Sloan, Chair, ANZCCART Australia Board

3:30 - Guillermo Gomez, Centre for Cancer Biology, SA Pathology & the University of SA

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 - Isabelle Harris, Michaela Vranic-Peters & Andre Peterson, University of Melbourne

A viable replacement for animal models of epilepsy: combining human data with computational modelling.

4:30 - Rachael Moses, University of Melbourne

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

6:00 - WELCOME RECEPTION

Conference Program

Wednesday 9th August 2023

SESSION 5: Considerations in Ethical Review

Session Chair: Arnja Dale, ANZCCART NZ Board

9:00 - Mandy Errington, EthiQualia

AEC Consideration of Breeding Projects; Application of the 3Rs

9:30 - Tony Rowe, CSIRO

Reduction of Animal Use by Maximising Statistical Power

10:00 - Pat Turner, Charles River

Addressing the 3Rs through a Holistic Approach to Research Animal Behavioural Management

10:15 - Sashika Naidoo, QIMR Berghofer

Animal Facility Management and ethics review processes implemented during the pandemic

10:30 - MORNING TEA

SESSION 6: The Code and Social Licence

Session Chair: Malcolm France, ANZCCART Australia Board

11:00 - Erika Vally, Agriculture Regulatory Assurance (Animal Welfare Victoria)

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

11:20 - Rachel Smith, Humane Research Australia

The Code: A Case for Review

11:40 - Bella Lear, Understanding Animal Research Oceania

The Contribution of Animal Research

12:00 - Alex Whittaker, The University of Adelaide

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



Conference Program

Wednesday 9th August 2023

Continued

SESSION 7: National Reporting on Animal Use Statistics

1:45 - Facilitator: Corinne Alberthsen, CSIRO Introductory Comments

1:50 - Panel Presentations - each panel member will be given approx 5 mins

Panel Member 1 - New Zealand Perspective, Arnja Dale, SPCA

Panel Member 2 - Government Regulator, Toni Dalziel, DEW

Panel Member 3 - AEC Cat B Member, Wayne Pitchford, The University of Adelaide

Panel Member 4 - AEC Cat C Member, Ian McBryde, The University of Adelaide

Panel Member 5 - AEC Cat D Member, Deborah Keighley-James, The University of Adelaide

2:15 - Breakout - AEC Category Discussions

2:45 - Feedback and Conclusion

2:45 Animal Facility Tour - PIRL / SAHMRI - SOLD OUT

3:15 - AFTERNOON TEA

SESSION 8: New Approach Methodologies

Session Chair: Rachael Moses, University of Melbourne

Three-minute Presentations

3:45 - Uttara Kennedy, University of Queensland

Epidemiology of Cat Flu at RSPCA Queensland Shelters

3:50 - Lani Davies, Australian National University

Development of Next Generation Therapeutics with the Potential to Replace the Need for Animal Testing

4:00 - Rezan Jafary, Monash University

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

4:30 - Andrew Stephens, Monash University

A mechanical heart and circulatory system to replace animal-based medical device prototyping.

4:45 - Jesus Ruiz Flores, Australian National University

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

Conference Dinner

Conference Program

Thursday 10th August 2023

SESSION 9: Wildlife and Animal Welfare

Session Chair: Kate Littin, ANZCCART NZ Board

9:00 - Gail Anderson, ANZCCART Australia

Wildlife Research Welfare Considerations

9:30 - Justine Partoon & Mark Smith, ZoosSA

Animal Welfare at Zoological Parks

10:00 - David Taggart, The University of Adelaide

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

10:30 - Graeme Finlayson, Bush Heritage Australia

Tracking for Conservation: the Use of GPS Tracking Devices for Rare Birds and Feral Cats

11:00 MORNING TEA

SESSION 10: Openness

Session Chair: Cathy Pitkin, ANZCCART Australia Board

11:30 - The Hon Emma Hurst MLC

The NSW Inquiry in the Use of Animals in Medical Research

12:00 - Tara Jackson, The New Zealand Anti-Vivisection Society

Why aren't we saying out loud, what we really think? How to embrace the public conversation about the use of animals in science.

12:15 - Karina Burns, The University of Adelaide

Reflections on transparency in Animal Ethics Committees

12:30 - Ian Saldanha, ANZCCART New Zealand

1st Annual Report for the New Zealand Openness Agreement

12:45 - Malcolm France, ANZCCART Australia

The Australian Openness Agreement on Animal Research and Teaching

1:00 - LUNCH



Conference Program

Thursday 10th August 2023

Continued

SESSION 11: Animal Models and Management

Session Chair: Alan Tilbrook, ANZCCART Australia Board

2:00 - Emma Parkinson-Lawrence, University of South Australia

The importance of animal models in obtaining new knowledge

2:15 - Rachel Layton, CSIRO

Behavioural-based pig management and vascular access ports for blood collection in infectious disease research

2:30 - Sayed Haidar Abbas Raza, South China Agricultural University, China

Exploring the physiological roles of circular RNAs in livestock animals

2:45 - Chris Mayberry, Harry Perkins Institute of Medical Research

Emily Barrick from the Institute will present on Chris' behalf

Electric shock and serum corticosterone in mice

3:00 - Adeline Lau, Flinders University

Lessons learnt from animal models of childhood dementia

3:15 - Amanda Guy-Chresby, University of Wollongong

Troubled Waters: Overcoming sipper sack problems in a biomedical research facility

3:30 - ANZCCART New Zealand

Preview of ANZCCART Conference 2024

3:35 - AFTERNOON TEA. End of Conference Presentations

Workshop Session

3:35 - 5.00pm Workshop. Competency Training and Assessment for Animal Users - How do we assure competence is achieved?

Facilitator - Gail Anderson

The Code and the New Zealand Act say that Animal Ethic Committees (AECs) must assure that animal users are competent to do the procedures for which they have been given AEC permission. How can we best do this?

Conference Program

Friday 11th August 2023

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

9:30 - 12:00 - 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 book and pay through [Eventbrite](#).

