Craig has opened up a new direction for research

Conservation Physiology

Craig is recognised as a leading proponent of this new field, forming the first focused interest group within an international society (Society for Experimental Biology), organizing and running international symposia, and initiating the new journal "Conservation Physiology".

The broad remit of this field is to determine and assess the proximate abiotic and biotic factors that impose fitness consequences upon the organisms as a result of anthropogenic threats and human-induced environmental change.

Conservation physiology based projects conducted in his laboratory include:

- *Determining how the interaction between environmental drivers can assist in determining the impact of global change on animals*
- *Living in an acidic world: Extreme low pH tolerance in wallum (heathland) amphibians*
- *Implications of a warming world on diving ectotherms*
- *The physiology of the pathogenicity of amphibian chytrid fungus: sloughing and early life history exposure to UV-B*
- *Designing effective fish-friendly waterway culverts: integration of hydrodynamics and swimming performance*
- *Assessing the effect of diet on the thermal tolerance and plasticity of barramundi under climate change scenarios*

Prof Craig Franklin

1984 Bachelor of Science with First Class Honours, UC
1990 PhD in Zoology, UC
2003 Honorary Doctorate,University of Goteborg, Sweden

Craig is Professor in Zoology and Deputy Head in the School of Biological Sciences at The University of Queensland (UQ) and Executive Director of UQ Research Ethics.

The focus of Craig's research is the investigation of the responses of organisms to changing environmental conditions including assessing and predicting the impact of human-induced environmental change.

Combining lab-based experimental studies with fieldwork, Craig's research takes an integrative approach that utilises ecological, behavioural, physiological and genomic methodologies to investigate the movement patterns, behaviours and physiology of animals in relation to environmental conditions.

He is Director of Research at Steve Irwin Wildlife Reserve and his lab is currently running a tracking study on estuarine crocodiles in Queensland, following over 140 crocodiles fitted with transmitters, allowing monitoring for up to 10 years.

Craig has published over 200 scientific articles, including articles in Nature, Science, Proceedings of the Royal Society, and Global Change Biology.

His many awards include receiving an Honorary Doctorate from the University of Göteborg, Sweden and receiving the President's Medal from the Society for Experimental Biology, UK.

He is also acknowledged as an outstanding teacher, being a recipient of the UQ Award for Excellence in Teaching and twice a finalist in the Australian Awards for University Teaching for 1st year biology team teaching.

School of Biological Sciences

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