

Professor Ary A. Hoffman



Ary Hoffman is the Director of Research at the Australian Research Council's (ARC) Centre for Environmental Stress and Adaptation Research (CESAR). The major questions CESAR asks are: how do organisms, and in particular, insects, adapt to environmental stress and, how do you measure responses to environmental stress using these insects? The research is pitched at the genetic, ecological, physiological and biochemical level. In particular, Ary's work at CESAR focuses on biomonitoring - the development of inexpensive, non-invasive biomarkers that show how ecosystems are stressed by factors such as pollution, salinity, land clearance and fire.

Ary completed his undergraduate education at the University of Queensland and Monash Universities, graduating with a BSc(Hons) in 1980. He then undertook a PhD at La Trobe with Peter Parsons, graduating in 1984. Ary completed a postdoc at UC Davis with Michael Turelli before returning to La Trobe where he started as a Lecturer and attained a personal Chair in 1998. Ary received a Federation Fellowship in 2005 to conduct research at the University of Melbourne.

Ary also has current research grants with the Grains Research and Development Corporation and the Grape and Wine Research and Development Corporation, the Gates Foundation and Melbourne Water. He has published prolifically, with almost 50 publications since 2005 in such prestigious journals as *Nature*, *Genetics* and *Ecology*.

Ary has received a number of awards including the Young Investigator Prize (1987) from the American Society of Naturalists, the Theodosius Dobzhansky Awards (1987) from the Society for the Study of Evolution and the Mackerras Medal (2004) from the Australian Entomological Society. He serves on several editorial boards for the journals, *Science*, *Insect Science* and the *Journal of Experimental Zoology*; and on a number of advisory boards and committees for CSIRO Entomology, the Environmental Protection Agency (EPA) Victoria, the International Congress of Genetics and the International Congress of Entomology.