

First Winner



Project Title:

Most Advanced Techniques for Reproductive Biology to the Conservation and Restoration of Endangered Wild Animals

Researcher:

Professor Noboru Fujihara

Country:

Japan

University:

Kyushu University, Japan

Professor Fujihara, graduated from Kyushu University in Animal Science has tried to develop new methods for keeping wild animal biodiversity in the future using genetic engineering, cellular biology, inter-specific chimera production, animal cloning and some other related technologies.

For his efforts and studies, professor Fujihara has won some prestigious awards such as Japan Prize for Agriculture Sciences (2002), Yomiuri Prize for Agricultural Sciences (2002), Round the World Trip Essay Award (BBC) (1970), Twenty Century Achievement Award (USA) (1995). He has published at least 120 scientific papers in the international journals and 60 papers in the conferences. In the present study, professor Fujihara and his colleagues, have tried to make successful application of recently most advanced techniques for reproductive biology to the conservation and restoration of endangered wild animals, they attempted to do biotechnological experiments using chicken and cattle for example, leading to chimeric bird production, exogenous gene transfer to embryos and cloning of bovine embryos resulting in successful production of transgenic chicken and cloned cattle embryos.