

Genetically Manipulated Animals and Their Use in Experimental Research

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Abstract

Genetically manipulated animals generated by transgenic and gene-targeting (knockout) technology have contributed tremendously to our understanding of gene function and regulation at the molecular level in the context of the whole organism. They are also becoming powerful tools for human disease studies and therapeutic drug development. An overview of the current development of these animals and their application in biological and medical researches is provided in this article.

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