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Animal Biotechnology
Models in Discovery and Translation
2nd Edition - June 9, 2020

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Description

Animal Biotechnology: Models in Discovery and Translation, Second Edition, provides a helpful guide to anyone seeking a thorough review of animal biotechnology and its application to human disease and welfare. This updated edition covers vital fundamentals, including animal cell cultures, genome sequencing analysis, epigenetics and animal models, gene expression, and ethics and safety concerns, along with in-depth examples of implications for human health and prospects for the future. New chapters cover animal biotechnology as applied to various disease types and research

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Chapter 18 - Molecular markers: tool for genetic analysis

Avinash Marwal¹, Rajarshi Kumar Gaur²

- ¹ Department of Biotechnology, Vigyan Bhawan – Block B, New Campus, Mohanlal Sukhadia University, Udaipur, Rajasthan, India
- ² Department of Biotechnology, Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur, Uttar Pradesh, India

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Abstract

The development of molecular techniques for genetic analysis has led to a great augmentation in our knowledge of animal genetics and our understanding of the structure and behavior of various animal genomes. These molecular techniques, in particular the applications of molecular markers, have been used to scrutinize DNA sequence variation(s) in and among the animal species and create new sources of genetic



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