Translational Animal Models in Drug Discovery and Development

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About the eBook

This eBook focuses on animal models of diseases from a translational perspective and highlights the key advantages and limitations of each model described to facilitate drug discovery and development. A unique feature of the volume is that it contains a selection of details disease models in various therapeutic niches with significant unmet medical needs, including inflammation, neurological diseases, cardiovascular and metabolic diseases, and oncology.

Contents

- Animal Models of Atherosclerosis and Spontaneous Plaque Rupture
- Experimental Models of Heart Failure: Translational Investigation of Cardiac Drug Safety
- Animal Models of Ischemic Stroke: Issues in Translational Congruency
- Mouse Models of Coagulation Factor Deficiencies for Translational Research
- Xenograft Models of the Normal and Malignant Human Breast
- BALB-neuT Female Mice as a Dynamic Model of Mammary Cancer
- Modeling Human Asthma in Animals
- Cigarette Smoke-Induced Translational Animal Models of Chronic Obstructive Lung Disease

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