

## BOOK REVIEW

### **Model Animal Systems: Emerging Applications and Commercial Opportunities in Drug Discovery and Development**

by Allan B. Haberman. Cambridge Healthtech Advisors, Waltham, MA, June 2004. 124 pages. Print copies cost \$2,500 and single-site licenses (PDF) \$5,000.

Animal models are of critical importance today in basic and applied research into mechanisms underlying human diseases and in drug discovery for treating these diseases. The development of such models and the explosion of genetic information have led to a substantial increase in the range of animals available and their uses. Researchers are increasingly seeking animal models not only of specific diseases, but also of the particular pathways being targeted. This volume reviews progress in the application of animal models to drug discovery and development, and discusses in detail yeast, *Caenorhabditis elegans*, *Drosophila melanogaster*, the zebrafish, the mouse, and the rat. This report includes case studies on the use of model organisms in several important areas: aging and diseases of aging; neurodegenerative diseases; developmental models and their applications to disease pathways; cancer models. The last chapter, entitled "Business and Strategic Issues", includes a list of selected company profiles in the area of model organisms.

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