



Transgenic Animal Technology, Third Edition: A Laboratory Handbook

By Carl A. Pinkert

Download now

Read Online 

Transgenic Animal Technology, Third Edition: A Laboratory Handbook By Carl A. Pinkert

Transgenic animal technologies and the ability to introduce functional genes into animals have revolutionized our ability to address complex biomedical and biological questions. This well-illustrated handbook covers the technical aspects of gene transfer ? from molecular methods to whole animal considerations ? for important laboratory and domestic animal species. It describes methodologies as employed by leading laboratories and is a key resource for researchers, as well as a tool for training technicians and students. This second edition incorporates updates on a variety of genetic engineering technologies ranging from microinjection and ES cell transfer to nuclear transfer in a broad range of animal modeling systems.

- Contains a comprehensive collection of transgenic animal and gene transfer methods
- Discusses background and introduction to techniques and animal systems
- Teaches practical step-by-step protocols
- Fully revised with updates to reflect state-of-the-art technology and associated changes to date

 [Download Transgenic Animal Technology, Third Edition: A Lab ...pdf](#)

 [Read Online Transgenic Animal Technology, Third Edition: A L ...pdf](#)

Transgenic Animal Technology, Third Edition: A Laboratory Handbook

By Carl A. Pinkert

Transgenic Animal Technology, Third Edition: A Laboratory Handbook By Carl A. Pinkert

Transgenic animal technologies and the ability to introduce functional genes into animals have revolutionized our ability to address complex biomedical and biological questions. This well-illustrated handbook covers the technical aspects of gene transfer ? from molecular methods to whole animal considerations ? for important laboratory and domestic animal species. It describes methodologies as employed by leading laboratories and is a key resource for researchers, as well as a tool for training technicians and students. This second edition incorporates updates on a variety of genetic engineering technologies ranging from microinjection and ES cell transfer to nuclear transfer in a broad range of animal modeling systems.

- Contains a comprehensive collection of transgenic animal and gene transfer methods
- Discusses background and introduction to techniques and animal systems
- Teaches practical step-by-step protocols
- Fully revised with updates to reflect state-of-the-art technology and associated changes to date

Transgenic Animal Technology, Third Edition: A Laboratory Handbook By Carl A. Pinkert
Bibliography

- Sales Rank: #588765 in Books
- Published on: 2014-07-07
- Original language: English
- Number of items: 1
- Dimensions: 9.02" h x 1.50" w x 5.98" l, 2.45 pounds
- Binding: Hardcover
- 714 pages

 [Download Transgenic Animal Technology, Third Edition: A Lab ...pdf](#)

 [Read Online Transgenic Animal Technology, Third Edition: A L ...pdf](#)

Download and Read Free Online Transgenic Animal Technology, Third Edition: A Laboratory Handbook By Carl A. Pinkert

Editorial Review

Review

"...a valuable laboratory asset for any researcher working with genetically modified animals..." --**Lab Animal**

"...reasonably priced and provides a good review of transgenic technology that can be used by a novice or experienced Individual...figures and tables are of good quality and a nice supplement to the Information contained in the chapters." --**Laboratory Animal Practitioner**

"The handbook will be a valuable resource for two audiences, one seeking a broad appreciation for transgenic animal technology, which can be gained by reading the handbook cover to cover, and the other seeking concise descriptions of focused techniques, which can be found by selection of specific chapters." --**Transgenics, 2013** "This handbook would be valuable to the investigators producing transgenic animal models. It is well organized and the handbook provides a thorough description of current animal transgenic technology across a host of animals." --**Analytical Biochemistry, 2003**

From the Back Cover

Transgenic animal technologies and the ability to introduce functional genes into animals have revolutionized our ability to address complex biomedical and biological questions, as well as to make practical applications to production agriculture. This well-illustrated handbook covers the technical aspects of gene transfer in animals—from molecular methods to whole animal considerations—for the important laboratory and domestic animal species. It describes methodologies as employed by leading laboratories and is a key resource for researchers, as well as a tool for training technicians and students.

Key Features

- * Contains a comprehensive collection of transgenic animal and gene transfer methods
- * Discusses background and introduction to techniques and animal systems
- * Teaches practical step-by-step protocols
- * Describes mouse model systems
- * Covers laboratory and domestic animal species, including:
 - * Rabbits and rats
 - * Poultry and fish
 - * Swine and ruminants
- * Illustrated with diagrams and photographs
- * Includes useful tables and charts

About the Author

Dr. Pinkert joined the University of Alabama (UA) in 2013 where he serves as Vice President for Research and Economic Development, and where he is a tenured Professor in the Department of Biological Sciences in the College of Arts and Sciences.

He earned his Ph.D. from the University of Georgia and was a postdoctoral fellow at the University of Pennsylvania. For over 30 years, his research revolved around animal modeling and transgenesis. He has published extensively on transgenic modeling, reproductive biology, and embryology of laboratory and

domestic animals. His laboratory developed a number of enabling technologies for the genetic engineering of both nuclear and mitochondrial genomes, as well as mitochondrial modeling strategies to address human developmental and metabolic diseases.

He served as an editor of *Transgenic Research* on the editorial boards of five others. His research was funded by NIH, USDA, NSF, private foundations and industry. He was a Sigma Xi national lecturer from 1993-1995 and a recipient of the 1997 Doerenkamp-Zbinden Foundation Research Prize (awarded for biomedical research that significantly impacts on the welfare and well-being of animals used in research). He was elected a fellow of the American Association for the Advancement of Science (AAAS) in 2011.

Users Review

From reader reviews:

Mary Rohan:

The reserve untitled *Transgenic Animal Technology, Third Edition: A Laboratory Handbook* is the guide that recommended to you you just read. You can see the quality of the reserve content that will be shown to anyone. The language that writer use to explained their way of doing something is easily to understand. The article writer was did a lot of study when write the book, and so the information that they share to you personally is absolutely accurate. You also could get the e-book of *Transgenic Animal Technology, Third Edition: A Laboratory Handbook* from the publisher to make you considerably more enjoy free time.

Juan Reynolds:

The particular book *Transgenic Animal Technology, Third Edition: A Laboratory Handbook* has a lot info on it. So when you read this book you can get a lot of advantage. The book was compiled by the very famous author. The writer makes some research before write this book. This book very easy to read you will get the point easily after perusing this book.

Beverly Rosa:

Reserve is one of source of know-how. We can add our understanding from it. Not only for students but in addition native or citizen want book to know the upgrade information of year for you to year. As we know those textbooks have many advantages. Beside we all add our knowledge, also can bring us to around the world. With the book *Transgenic Animal Technology, Third Edition: A Laboratory Handbook* we can consider more advantage. Don't someone to be creative people? For being creative person must choose to read a book. Only choose the best book that appropriate with your aim. Don't end up being doubt to change your life with that book *Transgenic Animal Technology, Third Edition: A Laboratory Handbook*. You can more attractive than now.

Cassandra Harvey:

A lot of people said that they feel bored stiff when they reading a book. They are directly felt that when they get a half parts of the book. You can choose the book *Transgenic Animal Technology, Third Edition: A*

Laboratory Handbook to make your own reading is interesting. Your personal skill of reading expertise is developing when you just like reading. Try to choose simple book to make you enjoy you just read it and mingle the feeling about book and examining especially. It is to be very first opinion for you to like to open a book and read it. Beside that the publication Transgenic Animal Technology, Third Edition: A Laboratory Handbook can to be a newly purchased friend when you're really feel alone and confuse in what must you're doing of this time.

**Download and Read Online Transgenic Animal Technology, Third Edition: A Laboratory Handbook By Carl A. Pinkert
#MRNO4D1IC5P**

Read Transgenic Animal Technology, Third Edition: A Laboratory Handbook By Carl A. Pinkert for online ebook

Transgenic Animal Technology, Third Edition: A Laboratory Handbook By Carl A. Pinkert Free PDF download, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Transgenic Animal Technology, Third Edition: A Laboratory Handbook By Carl A. Pinkert books to read online.

Online Transgenic Animal Technology, Third Edition: A Laboratory Handbook By Carl A. Pinkert ebook PDF download

Transgenic Animal Technology, Third Edition: A Laboratory Handbook By Carl A. Pinkert Doc

Transgenic Animal Technology, Third Edition: A Laboratory Handbook By Carl A. Pinkert Mobipocket

Transgenic Animal Technology, Third Edition: A Laboratory Handbook By Carl A. Pinkert EPub

MRNO4D1IC5P: Transgenic Animal Technology, Third Edition: A Laboratory Handbook By Carl A. Pinkert