



# Genetics For Dummies

By Tara Rodden Robinson

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## Genetics For Dummies By Tara Rodden Robinson

### A plain-English guide to genetics

Want to know more about genetics? This non-intimidating guide gets you up to speed on all the fundamentals and the most recent discoveries. Now with 25% new and revised material, *Genetics For Dummies, 2nd Edition* gives you clear and accessible coverage of this rapidly advancing field.

From dominant and recessive inherited traits to the DNA double-helix, you get clear explanations in easy-to-understand terms. Plus, you'll see how people are applying genetic science to fight disease, develop new products, solve crimes . . . and even clone cats.

- Covers topics in a straightforward and effective manner
- Includes coverage of stem cell research, molecular genetics, behavioral genetics, genetic engineering, and more
- Explores ethical issues as they pertain to the study of genetics

Whether you're currently enrolled in a genetics course or are just looking for a refresher, *Genetics For Dummies, 2nd Edition* provides science lovers of all skill levels with easy-to-follow information on this fascinating subject.

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## **Editorial Review**

From the Back Cover

### **A plain-English guide to this fascinating topic**

Want to know more about genetics? This practical guide gets you up to speed on all the fundamentals and the most recent discoveries. From dominant and recessive inherited traits to the DNA double helix, you get clear explanations in easy-to-understand terms. Plus, you'll see how people are applying genetic science to fight disease, develop new products, solve crimes . . . and even clone cats.

- Jump into genetics — get the 411 on how genetic information is divvied up during cell division and how trait inheritance works
- Dig into DNA — discover how your DNA is put together, how it gets copied, and how the building plans for your body are encoded in the double helix
- Toast to health — understand how genetics affects your health and get the lowdown on the latest developments in genetic counseling, inherited diseases, genetics and cancer, and chromosome disorders
- Get in the know — learn about the impact of genetics on hot topics like population genetics, evolution, forensics, cloning, ethical issues, and more

### **Open the book and find:**

- The basics of cell biology
- The laws of inheritance
- A plain-English explanation of traits
- The genetics of sex
- How DNA is replicated
- A tour of the double helix
- The genetics of diseases
- How gene therapy can treat genetic diseases
- The use of DNA to solve crimes
- Controversial topics in genetics

### **Learn to:**

- Grasp the latest developments in genetics
- Understand the latest on stem cell research
- Get up to speed on molecular genetics, genetic counseling, and more
- Explore ethical issues as they apply to genetics

About the Author

**Tara Rodden Robinson**, PhD, is an Instructor of Genetics, Extended Campus, at Oregon State University. Previously, she worked as an instructor and Postdoctoral Fellow in Genetics at Auburn University in Auburn, Alabama.

## **Users Review**

### **From reader reviews:**

**Karen Wells:**

Book is to be different for each grade. Book for children right up until adult are different content. As you may know that book is very important normally. The book Genetics For Dummies has been making you to know about other know-how and of course you can take more information. It is rather advantages for you. The guide Genetics For Dummies is not only giving you much more new information but also to become your friend when you feel bored. You can spend your personal spend time to read your publication. Try to make relationship using the book Genetics For Dummies. You never feel lose out for everything should you read some books.

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