



2009, X, 350 p. 84 illus.

Printed book

Hardcover

169,99 € | £149.99 | \$219.99

^[1]181,89 € (D) | 186,99 € (A) | CHF 200,50

Softcover

119,99 € | £105.50 | \$149.00

^[1]128,39 € (D) | 131,99 € (A) | CHF 141,50

eBook

96,29 € | £84.00 | \$109.00

^[2]96,29 € (D) | 96,29 € (A) | CHF 113,00

Available from your library or
springer.com/shop

MyCopy ^[3]

Printed eBook for just

€ | \$ 24.99

springer.com/mycopy

Keith DiPetrillo (Ed.)

Cardiovascular Genomics

Methods and Protocols

Series: Methods in Molecular Biology

- Covers a range of phenotyping, bioinformatics, and statistical methods required for cardiovascular genomic research
- Detailed protocols for evaluating important cardiovascular diseases in rodents
- Highlights expert insights to avoid or overcome technical difficulties phenotyping rodent models
- Includes methods for integrating genotype, gene expression, and phenotype data from rodents and humans
- Provides bioinformatics and statistical methods applicable to genomic research into many varied diseases

As two of the leading causes of death worldwide, heart disease and stroke represent a clear target for genomic research aimed at deciphering the genes and cellular pathways that underlie cardiovascular disease and creating improved therapies. In *Cardiovascular Genomics: Methods and Protocols*, experts in the field provide methods for cardiovascular phenotyping of rodent models in the first section of the volume and for statistical and bioinformatic integration of phenotype data with genome-wide genotype and expression data in the second section. Understanding these diverse methods will allow an individual laboratory to utilize these genomic methods independently or to better prepare for collaboration with scientists having expertise in other disciplines in order to uncover genes affecting cardiovascular disease. Written in the highly successful *Methods in Molecular Biology™* series format, chapters include introductions to their respective topics, lists of the necessary equipment, materials, and reagents, step-by-step, readily reproducible laboratory protocols, and notes on troubleshooting and avoiding known pitfalls. Cutting-edge and easy-to-use, *Cardiovascular Genomics: Methods and Protocols* will enable researchers to identify causal genes and novel molecular targets that can lead to vital new treatments for cardiovascular disease.

Order online at springer.com / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: customerservice@springernature.com. / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: customerservice@springernature.com.

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

