



## RNAi and microRNA-Mediated Gene Regulation in Stem Cells

By Baohong Zhang

Springer-Verlag GmbH Jul 2010, 2010. Buch. Book Condition: Neu. 262x189x25 mm. Neuware - Recent stem cell research has revealed that miRNA and RNAi-mediated gene regulation is one of the vital determinates controlling the state of cell differentiation, with the small RNAs serving as key elements involved in regulatory network control of pluripotent cell fate determination. In RNAi and microRNA-Mediated Gene Regulation in Stem Cells: Methods, Protocols, and Applications, expert authors from laboratories across the globe contribute an accessible compendium of up-to-date, proven methods focused on the study of the titular topic. Divided into three sections, the book first gives a brief introduction to RNAi and miRNAs in stem cells, with a focus on the current status of research and future perspectives, then it continues with detailed methods and protocols for RNAi screening, transfection, and the knockdown of specific genes and pathways in several animal species, including humans and mice, concluding with a section on recently developed methods for identification of miRNAs, including a general protocol for preparation and analysis of miRNA libraries for deep sequencing, knock down of a specific gene using miRNA-based shRNA, and miRNA expression analysis using qRT-PCR. Written in the highly successful Methods in Molecular Biology(TM) series...



**READ ONLINE**  
[ 5.77 MB ]

### Reviews

*Very beneficial to all category of folks. We have study and that i am sure that i will planning to go through yet again again in the future. Its been printed in an extremely straightforward way in fact it is just soon after i finished reading this pdf where actually changed me, alter the way i really believe.*

-- **Emmett Mann**

*Comprehensive information! Its this sort of great go through. It really is rally interesting throug studying time. I am just quickly can get a satisfaction of looking at a created pdf.*

-- **Alexandra Weissnat**

## Related Kindle Books



### **Boost Your Child s Creativity: Teach Yourself 2010**

Hodder Stoughton General Division, United Kingdom, 2011. Paperback. Book Condition: New. 196 x 130 mm. Language: English . Brand New Book. Every parent wants their child to achieve their full potential. Whatever your child s interest or inclination, from art to music,...



### **Preschool Skills Same and Different Flash Kids Preschool Skills by Flash Kids Editors 2010 Paperback**

Book Condition: Brand New. Book Condition: Brand New.



### **Preschool Skills 2010 Paperback**

Book Condition: Brand New. Book Condition: Brand New.



### **A Parent s Guide to STEM**

U.S. News World Report, United States, 2015. Paperback. Book Condition: New. 214 x 149 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This lively, colorful guidebook provides everything you need to know to help your child get inspired, succeed...



### **Sweet and Simple Knitting Projects: Teach Yourself: 2010**

Hodder & Stoughton General Division. Paperback. Book Condition: new. BRAND NEW, Sweet and Simple Knitting Projects: Teach Yourself: 2010, Sally Walton, Is this the right book for me? This practical guide to knitting covers everything from simple stitches to the latest and...



### **The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds**

Anness Publishing. Paperback. Book Condition: new. BRAND NEW, The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds, Nicola Baxter, Geoff Ball, This is a super-size first reading book for 3-5 year olds, with an engaging story, colourful pictures...