



## Cilia: Methods and Protocols (Hardback)

By -

Humana Press Inc., United States, 2016. Hardback. Condition: New. 1st ed. 2016. Language: English . Brand New Book. This volume is the result of an explosion of molecular-based research on Cilia, which began with the discovery of the universality of intraflagellar transport (IFT) and ciliary genomics/proteomics. The chapters in this book cover topics such as: high resolution imaging and functional characterization of sensory and primary cilia in mammalian cells and zebrafish, methods to study ciliary-mediated chemoresponse in Paramecium, and methods to study centrosomes and cilia in *C. elegans* and *Drosophila*. Written in the highly successful Methods in Molecular Biology series format, chapters include introduction to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Practical and cutting-edge, *Cilia: Methods and Protocols* is broad and covers motile, sensory, and primary cells. It is a valuable resource to anyone interested in entering the field of ciliary biology using model organisms, including flagellate algae, ciliates, planaria, nematodes, insects, zebrafish, and mammalian cells.



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