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Life Sciences : Cell Biology

Satir, Peter, Christensen, Søren Tvorup (Eds.)

Cilia

Methods and Protocols

- Includes cutting-edge methods and protocols
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- Contains key notes and implementation advice from the experts

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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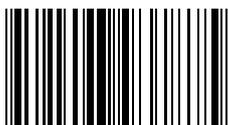
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