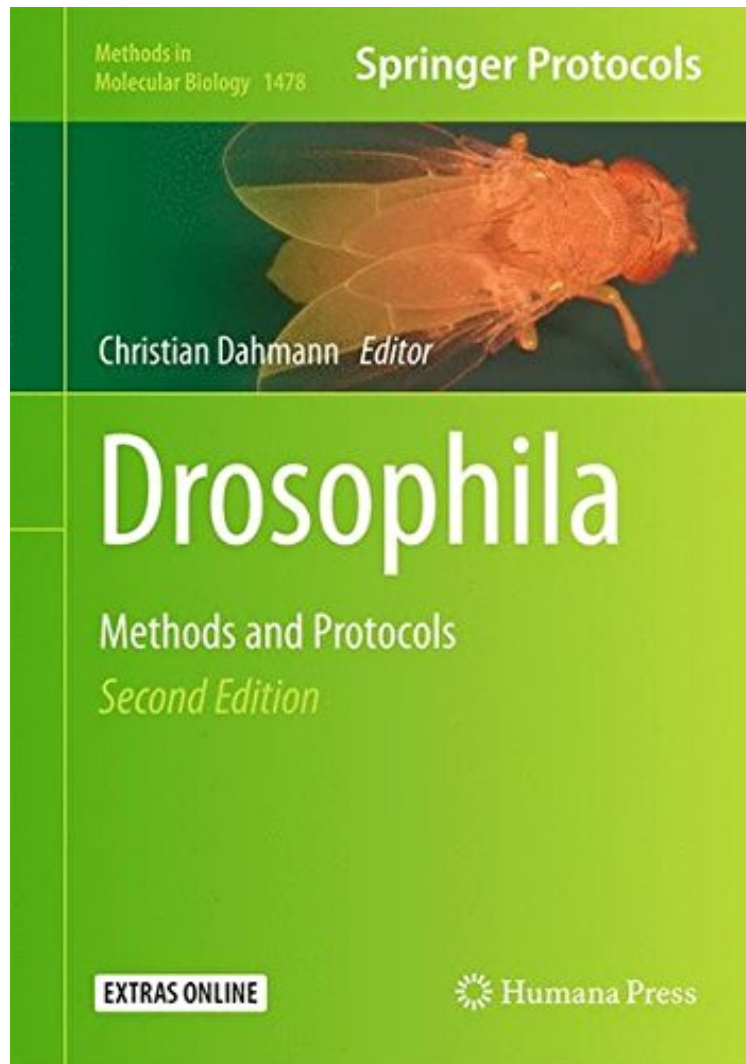


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breakthroughs in *Drosophila* research. The book begins with a description of FlyBase--a database of genes and genomes--followed by the presentation of systems for versatile gene expression in the fly. The first few chapters in this book detail gene knockdown and editing, including CRISPR-Cas9 and protein knockdown. The next few chapters are devoted to methods describing live imaging of different tissues and organs, followed by chapters on how to quantify image data and how to probe tissue mechanics by laser ablation. The next two chapters provide methods for analyzing transcription followed by protocols to study growth, metabolism, ageing, and behavior in *Drosophila*. This volume concludes with chapters on electrophysiological recordings and methods to establish cell lines. Written in the highly successful *Methods in Molecular Biology* series format, chapters include introductions 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. Cutting-edge and thorough, *Drosophila: Methods and Protocols, Second Edition* is a valuable source of hands-on protocols and reviews for molecular, cell, and developmental biologists using *Drosophila* as model systems in their work.

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