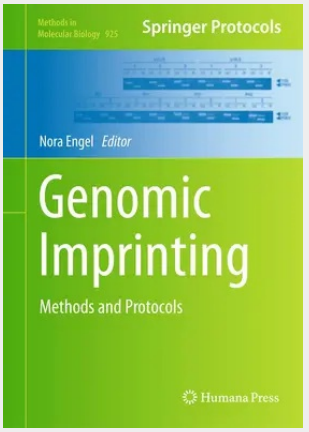
Engel

Genomic Imprinting

Methods and Protocols



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Genomic imprinting, the process by which the non-equivalence of the paternal and maternal genomes is established, has been fascinating us for over three decades and has provided many emerging scientists with the chance to hit their stride in a frontier posing many unexpected questions and even more surprising answers. In *Genomic Imprinting: Methods and Protocols* , experts in the field provide a survey of the technologies that are being applied to advance the study of imprinting. This detailed volume features new technologies that are accelerating the pace of discovery of imprinted genes and characterization of their epigenetic profile, bioinformatic procedures for prediction and comparative analyses of imprinted genes, as well as methods in embryology and basic molecular biology that have been employed for many years, some appearing in new versions for small cell numbers. 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.

Authoritative and easy to use, *Genomic Imprinting: Methods and Protocols* will aid scientists in unveiling both much awaited answers and all-new questions to keep this vital field busy for many exciting years to come.

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