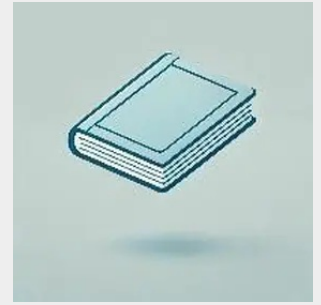


Spatial Omics

Methods for Reconstructing the Spatial Heterogeneity of Biological Tissue

Spatial Omics: Methods for Reconstructing the Spatial Heterogeneity of Biological Tissue is a complete and detailed reference on research methods that combine the in-depth analysis at single cell level with context provided by tissue positioning. The methods covered in the book include Methods that require the mechanical tissue retrieval, digestion and enrichment, Methods based on in situ hybridization and imaging, Methods reliant on next generation sequencing and hybrid techniques, and Computational based methods to determine spatial relatedness of cells. Technologies are focused on the balance between sensitivity, accuracy, and extent of features through which single cells can be evaluated, and more. Cellular and molecular biologists will benefit from the detailed experimental setup information included in this comprehensive book. Computational biologists and computer scientists involved in biological visualization problems can also use this book as a guide to interpret and analyze experimental data.

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