Plant Cell Biology



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With the 'post genomics' era comes an increasing demand for the techniques of cell biology, critical to interpreting the function and location of the cell's myriad proteins and macromolecules. In response, this second edition of Plant Cell Biology balances established techniques, including classical histochemistry and electron microscopy, with new developments in the field. The book covers a substantial range of methods for working on living cells, including the application of fluorescent probes, cytometry, expression systems, the use of green fluorescent protein, micromanipulation and electrophysiological techniques. Also featured are chapters on macromolecular location procedures involving immunocytochemistry and in situ hybridisation, and the book concludes with a range of biochemical techniques for the isolation of cytoplasmic organelles. The book provides advanced students, postgraduates and researchers in the plant sciences with an invaluably comprehensive guide to the ever-growing field of plant cell biology.

作者介绍:

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