

CELL POLARITY IN DEVELOPMENT AND DISEASE

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Cell Polarity in Development and Disease offers insight into the basic molecular mechanisms of common diseases that arise as a result of a loss of ordered organization and intrinsic polarity in cells and tissues. Included are diseases affecting highly polarized epithelial tissues in the lung and kidney, as well as loss and gain of cell polarity in pluripotency, cell migration and during the onset and progression of cancer. Although many of the molecular and genetic signaling pathways underlying these and other disorders are well studied biochemically, how the relevant cellular organization integrates with various signaling molecules is often less clear. This volume addresses these ideas, providing a basic resource for understanding the basic biology of polarity and offering a starting point for those thinking of targeting cell polarity for biomedical research.

Cell Polarity in Development and Disease is the second volume in the *Perspectives in Translational Cell Biology Series*. The series offers content for researchers, graduate students, and postdoctoral fellows to aid them in applying basic cell and developmental biology discoveries to translational research.



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