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Altri autori (Persone)	BockGregory GoodeJamie
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Nota di contenuto	SIGNALLING NETWORKS IN CELL SHAPE AND MOTILITY; Contents; Participants; Chair's introduction; From N-WASP to WAVE: key molecules for regulation of cortical actin organization; Discussion; A conserved role for myosin VII in adhesion; Discussion; General discussion I; Cytoskeletal networks and pathways involved in endocytosis; Discussion; Control of cell polarity in response to intra- and extracellular signals in budding yeast; Discussion; Regulation of actin assembly by microtubules in fission yeast cell polarity; Discussion Finding the way: directional sensing and cell polarization through Ras

signallingDiscussion; Roles of IQGAP1 in cell polarization and migration; Discussion; Regulation of microtubules by Rho GTPases in migrating cells; Discussion; Actin organization in the early Drosophila embryo; Discussion; Epithelial cell shape and Rho small GTPases; Discussion; Interaction of cadherin with the actin cytoskeleton; Discussion; Integrin-syndecan co-operation governs the assembly of signalling complexes during cell spreading; Discussion; Formation of multicellular epithelial structures; Discussion
Rho GTPase-formin pairs in cytoskeletal remodellingDiscussion; Final discussion; Index of contributors; Subject index

Sommario/riassunto

This book features contributions from experts in cell biology, genetics, neurobiology, immunology and structural biology. The unifying element is that they all study processes of cell shape change and motility. Several key questions in this field of research are discussed: What are the organising principles behind cell shape change?Are there 'master switches' present in every cell type?How are extracellular signals interpreted by the cell in order to activate intracellular mechanisms?What is the influence of the extracellular matrix on cell movement and inter