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growth, with a special emphasis on cell-cell connections, cell wall synthesis, and directed protein transport. In turn, the second section describes the intra- and extracellular signals that set off biochemical and conformational changes of cell type during development. Here, the authors focus on the molecular signalling pathways, including their impact on plant-fungus interactions, referred to as ectomycorrhizal symbiosis. Given its scope, the book offers a valuable guide for all microbiologists, geneticists, cell biologists, biochemists and plant biologists, as well as advanced students of biology, who share an interest in the field of mycology.