Leading researchers in medicine and molecular pharmacology explain the cellular mechanisms that control airway smooth muscle. Aimed at specialists in pulmonology, this volume provides the clinician with the most up-to-date information on one of the core physiological processes in airway disease, and offers insights into current and future approaches to management. The means by which these are disrupted in disease, and the pharmacologic strategies by which they may be modified are discussed and future therapeutic interventions are identified.