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Altri autori (Persone)	PreziosiLuigi VerdierClaude
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Stimulation; Part IV: From Cellular to Multicellular Models

Chapter 11. Mathematical Framework to Model Migration of Cell Population in Extracellular Matrix
Chapter 12. Mathematical Modeling of Cell Adhesion and Its Applications to Developmental Biology and Cancer Invasion;
Chapter 13. Bridging Cell and Tissue Behavior in Embryo Development;
Chapter 14. Modeling Steps from Benign Tumor to Invasion Cancer: Examples of Intrinsically Multiscale Problems;
Chapter 15. Delaunay Object Dynamics for Tissues Involving Highly Motile Cells; Index; Back cover

Sommario/riassunto

Ubiquitous and fundamental in cell mechanics, multiscale problems can arise in the growth of tumors, embryogenesis, tissue engineering, and more. This book discusses the tool of microrheology for investigating cell mechanical properties, and multiphysics and multiscale approaches for studying intracellular mechanisms in cell motility.
