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## **Mesenchymal Cell Activation by Biomechanical Stimulation and its Clinical Prospects**

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### **About the eBook**

This monograph is a summary of the mechanotransduction in musculoskeletal cells responsible for body tissue maintenance, support, cover and movement. It is a useful reference for readers involved in graduate courses or basic research in cell biology and musculoskeletal physiology.

### **Contents**

- ▶ Mechanics of Living Cells - General Aspects
- ▶ Experimental Methods for Mechanical Stimulation of Cells of Mesenchymal Origin
- ▶ Mechanical Stimulation of Mesenchymal Stem Cells
- ▶ Bio-Mechanical Stimulation of Skin Fibroblasts
- ▶ Mechanotransduction in Osteoblasts
- ▶ Mechanotransduction in Chondrocytes
- ▶ Cellular Molecular Pathways in Distraction Osteogenesis

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