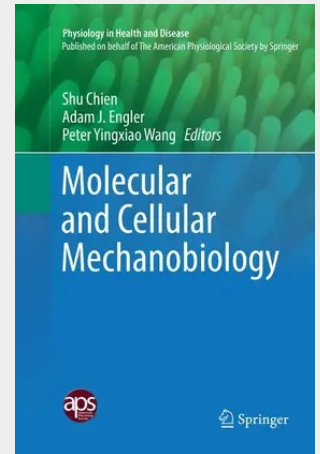


## Molecular and Cellular Mechanobiology

This book will cover the cutting-edge developments in molecular and cellular mechanobiology to date. Readers will have a clear understanding of mechanobiology at the molecular and cellular levels, encompassing the mechanosensors, transducers, and transcription. An integrative approach across different scales from molecular sensing to mechanotransduction and gene modulation for physiological regulation of cellular functions will be explored, as well as applications to pathophysiological states in disease. A comprehensive understanding of the roles of physicochemical microenvironment and intracellular responses in determining cellular function in health and disease will also be discussed.

This book will cover the cutting-edge developments in molecular and cellular mechanobiology to date. Readers will have a clear understanding of mechanobiology at the molecular and cellular levels, encompassing the mechanosensors, transducers, and transcription. An integrative approach across different scales from molecular sensing to mechanotransduction and gene modulation for physiological regulation of cellular functions will be explored, as well as applications to pathophysiological states in disease. A comprehensive understanding of the roles of physicochemical microenvironment and intracellular responses in determining cellular function in health and disease will also be discussed.



**192,59 €**

179,99 € (zzgl. MwSt.)

*Lieferfrist: bis zu 10 Tage*

**Artikelnummer:** 9781493981663

**Medium:** Buch

**ISBN:** 978-1-4939-8166-3

**Verlag:** Springer

**Erscheinungstermin:** 09.06.2018

**Sprache(n):** Englisch

**Auflage:** Softcover Nachdruck of the original 1. Auflage 2016

**Serie:** Physiology in Health and Disease

**Produktform:** Kartoniert

**Gewicht:** 4803 g

**Seiten:** 302

**Format (B x H):** 155 x 235 mm

