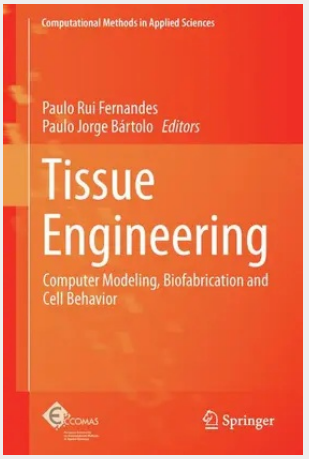
Fernandes / Bartolo

Tissue Engineering

Computer Modeling, Biofabrication and Cell Behavior



This book describes the state of the art on computational modeling and fabrication in Tissue Engineering. It is inspired by the ECCOMAS thematic conference, the European Committee on Computational Methods in Applied Sciences, on Tissue Engineering, held in Lisbon, Portugal, June 2-4, 2011.
Tissue Engineering is a multidisciplinary field involving scientists from different fields. The development of mathematical methods is quite relevant to understand cell biology and human tissues as well to model, design and fabricate optimized and smart scaffolds. Emphasis is put on mathematical and computational modeling for scaffold design and fabrication. This particular area of tissue engineering, whose goal is to obtain substitutes for hard tissues such as bone and cartilage, is growing in importance.

This book describes the state of the art on computational modeling and fabrication in Tissue Engineering. It is inspired by the ECCOMAS thematic conference, the European Committee on Computational Methods in Applied Sciences, on Tissue Engineering, held in Lisbon, Portugal, June 2-4, 2011. Tissue Engineering is a multidisciplinary field involving scientists from different fields. The development of mathematical methods is quite relevant to understand cell biology and human tissues as well to model, design and fabricate optimized and smart scaffolds. Emphasis is put on mathematical and computational modeling for scaffold design and fabrication. This particular area of tissue engineering, whose goal is to obtain substitutes for hard tissues such as bone and cartilage, is growing in importance.

106,99 €
99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9789400770720
Medium: Buch
ISBN: 978-94-007-7072-0
Verlag: Springer
Erscheinungstermin: 13.08.2013
Sprache(n): Englisch
Auflage: 1. Auflage 2013
Serie: Computational Methods in Applied Sciences
Produktform: Gebunden
Gewicht: 4085 g
Seiten: 178
Format (B x H): 160 x 241 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)