1.	Record Nr.	UNISALENTO991004141159707536
	Autore	Canguilhem, Georges
	Titolo	La conoscenza della vita / Georges Canguilhem
	Pubbl/distr/stampa	Bologna : Il mulino, 1976
	Descrizione fisica	279 p. ; 21 cm
	Collana	Saggi [Il Mulino] ; 160
	Altri autori (Persone)	Bassani, Franco
	Disciplina	301.29
	Soggetti	Epistemologia
		Antropologia
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Trad. di F. Bassani

2. Record Nr.	UNINA9910437890803321
Titolo	Computer Models in Biomechanics : From Nano to Macro / / edited by Gerhard A. Holzapfel, Ellen Kuhl
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2013
ISBN	94-007-5464-7
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (405 p.)
Altri autori (Persone)	HolzapfelGerhard A KuhlEllen
Disciplina	612.01441
Soggetti	Mechanics, Applied Medicine - Research Biology - Research Mathematical models Engineering Mechanics Biomedical Research Mathematical Modeling and Industrial Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index. 4.
Nota di contenuto	Part I Protein and Cell Mechanics: 1 Towards a Coarse-Grained Model for Unfolded Proteins, by Ali Ghavami, Erik Van der Giessen, Patrick R. Onck -- 2 Modeling Collagen-Proteoglycan Structural Interactions in the Human Cornea , by Xi Cheng, Hamed Hatami-Marbini, Peter M. Pinsky -- 3 Simulations of Cell Behavior on Substrates of Variegated Stiffness and Architecture , by Amit Pathak, Vikram S. Deshpande, Anthony G. Evans, Robert M. McMeeking -- Part II Muscle Mechanics: 4 A Mathematical Approach for Studying Ca2+–Regulated Smooth Muscle Contraction, by Saeil C. Murtada, Gerhard A. Holzapfel -- 5 A Coupled Chemomechanical Model for Smooth Muscle Contraction , by Markus Böl, Andre Schmitz -- 6 Modeling of Smooth Muscle Activation , by Jonas Stålhand, Anders Klarbring, Gerhard A. Holzapfel -- 7 A Cross-Bridge Model Describing the Mechanoenergetics of Actomyosin Interaction , by Mari Kalda, Pearu Peterson, Jüri Engelbrecht, Marko Vendelin -- 8 Multiscale Skeletal Muscle Modeling: From Cellular Level to a Multi-Segment Skeletal Muscle Model of the Upper Limb , by Oliver

Röhrle, Michael Sprenger, Ellankavi Ramasamy, Thomas Heidlauf

Sommario/riassunto

This book contains a collection of papers that were presented at the IUTAM Symposium on "Computer Models in Biomechanics: From Nano to Macro" held at Stanford University, California, USA, from August 29 to September 2, 2011. It contains state-of-the-art papers on: - Protein and Cell Mechanics: coarse-grained model for unfolded proteins, collagen-proteoglycan structural interactions in the cornea, simulations of cell behavior on substrates - Muscle Mechanics: modeling approaches for Ca2+–regulated smooth muscle contraction, smooth muscle modeling using continuum thermodynamical frameworks, cross-bridge model describing the mechanoenergetics of actomyosin interaction, multiscale skeletal muscle modeling - Cardiovascular

Mechanics: multiscale modeling of arterial adaptations by incorporating molecular mechanisms, cardiovascular tissue damage, dissection properties of aortic aneurysms, intracranial aneurysms, electromechanics of the heart, hemodynamic alterations associated with arterial remodeling following aortic coarctation, patient-specific surgery planning for the Fontan procedure - Multiphasic Models: solutes in hydrated biological tissues, reformulation of mixture theory-based poroelasticity for interstitial tissue growth, tumor therapies of brain tissue, remodeling of microcirculation in liver lobes, reactions, mass transport and mechanics of tumor growth, water transport modeling in the brain, crack modeling of swelling porous media - Morphogenesis, Biological Tissues and Organs: mechanisms of brain morphogenesis, micromechanical modeling of anterior cruciate ligaments, mechanical characterization of the human liver, in vivo validation of predictive models for bone remodeling and mechanobiology, bridging scales in respiratory mechanics.