

1. Record Nr.	UNISA990005899120203316
Autore	KRUGER, Thalia
Titolo	International child abduction : the inadequacies of the law / Thalia Kruger
Pubbl/distr/stampa	Oxford and Portland : Hart, 2013
ISBN	978-1-84946-156-6
Descrizione fisica	XVIII, 272 p. ; 24 cm
Collana	Studies in private international law ; 6
Disciplina	340.917
Soggetti	Sottrazione di minorenni - Diritto internazionale privato
Collocazione	XXIII.3.D. 96
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910734878503321
Autore	Baghaban Eslaminejad Mohamadreza
Titolo	Cartilage: From Biology to Biofabrication / / edited by Mohamadreza Baghaban Eslaminejad, Samaneh Hosseini
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-9924-52-9
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (531 pages)
Altri autori (Persone)	HosseiniSamaneh
Disciplina	612.7517
Soggetti	Regenerative medicine Stem cells Morphogenesis Regenerative Medicine and Tissue Engineering Stem Cell Biology Organogenesis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction to Cartilage Tissue; Development, Structure and Functions -- Chapter 2. Cartilage defects and diseases: conventional therapies and its limitations -- Chapter 3. Strategies to Control Mesenchymal Stem Cell Differentiation for Regenerating Phenotypically Defined Articular Cartilage -- Chapter 4. Single Cell Analysis Approaches in Diagnostic and Therapeutic -- Chapter 5. The Importance of Mechanical Stimulation in Cartilage Formation: Applications of Bioreactors -- Chapter 6. Signaling Pathways Regulating Cartilage Formation -- Chapter 7. Role and Application of Biomolecules for Regeneration of Cartilage Tissue -- Chapter 8. Extracellular Matrix Miomimicry for Cartilage Tissue Formation -- Chapter 9. Cartilage Tissue Engineering; Advances and Frontiers -- Chapter 10. Advances in Hydrogels for Cartilage Regeneration -- Chapter 11. Shape Memory Polymers in Cartilage Tissue Engineering -- Chapter 12. Widely-used Biomaterials in Cartilage Biofabrication -- Chapter 13. Importance of 3D Printing Techniques in Cartilage Tissue Engineering -- Chapter 14. Cell Therapy as a Novel Therapeutic Approach for Cartilage Diseases -- Chapter 15. Extracellular Vesicles: A Potent Therapeutic Tool for

Cartilage Regeneration -- Chapter 16. Osteochondral unit Approach for Articular Cartilage Regeneration -- Chapter 17. Stem Cells Therapy for Cartilage Regeneration in Clinic; Challenges and Opportunities -- Chapter 18. Validation of Tissue-Engineered Constructs: Preclinical and Clinical Studies.

Sommario/riassunto

This book provides a comprehensive overview of cartilage structure, functions, and approaches for the regeneration of cartilage tissue. It reviews multiple signaling pathways that are involved in the growth and repair of cartilage tissue. The initial chapter of the book examines the etiology, diagnosis, and pathological features of various cartilage diseases. Subsequently, the book presents recent advances in biomaterial sciences, regenerative medicine, and fabrication technology for cartilage regeneration. It discusses hydrogels as a promising scaffold for cartilage tissue engineering, focusing on recapitulating microenvironments present during development or in adult tissue to induce the formation of cartilaginous constructs with biochemical and mechanical properties of native tissue. Lastly, it covers the applications of 3 D printing techniques for the fabrication of scaffolds for cartilage tissue regeneration for the production of biological implants capable of treating a range of conditions.