Record Nr. UNINA9910808193003321 Surface and interfacial aspects of cell adhesion / / edited by A. Carre **Titolo** and K.L. Mittal Pubbl/distr/stampa Leiden:,: Boston:,: VSP Boca, Raton, Fla.:,: CRC Press,, 2010, c2011 0-429-08847-7 **ISBN** 90-04-19080-5 Descrizione fisica 1 online resource (545 p.) Altri autori (Persone) CarreA (Alain) MittalK. L. <1945-> 571.6 Disciplina Soggetti Cell adhesion molecules Cell adhesion Surface active agents Cellular control mechanisms 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. Nota di contenuto pt. 1. Fundamentals of cell adhesion -- pt. 2. Methods to study cell adhesion -- pt. 3. Surface treatments to control cell adhesion and behavior -- pt. 4. Cell adhesion in medicine and therapy. Cell adhesion comes into play in almost all domains of life. The range Sommario/riassunto of situations in which it occurs, involving organisms, living tissues, microorganisms or single cells, is endless. Cell adhesion is involved in the binding of a cell to a surface, extracellular matrix, or another cell using cell adhesion molecules. It is crucial in the formation and maintenance of coherent multicellular structures. Cell surface adhesion molecules (integrins, for example) which transmit information from the extracellular matrix to the cell play vital roles in numerous cellular processes. Some of these includ