

Contents

1	The Extracellular Matrix: An Overview	1
	Jeffrey H. Miner	
2	Integrin Structure and Function	19
	Manakan Betsy Srichai and Roy Zent	
3	Cancer in Context: Importance of the Tumor Microenvironment.....	43
	Barbara Fingleton and Conor Lynch	
4	Basement Membrane Collagens and Cancer	65
	Vadim Pedchenko and Ambra Pozzi	
5	Laminins and Cancer Progression	87
	Jerome Jourquin, Manisha Tripathi, Cherise Guess, and Vito Quaranta	
6	Fibronectins and Their Receptors in Cancer	111
	Christie J. Avraamides and Judith A. Varner	
7	Vitronectin-Binding Integrins in Cancer	137
	Eric Murphy and Dwayne Stupack	
8	The Function of SPARC in Tumor Cell Biology: SPARC as a Modulator of Cell–Extracellular Matrix Interaction.....	171
	Rolf A. Brekken and Amy D. Bradshaw	
9	Proteoglycans and Cancer.....	191
	Ralph D. Sanderson, Yang Yang, Anurag Purushothaman, Yekaterina B. Khotskaya, Joseph P. Ritchie, and Vishnu C. Ramani	
10	Tetraspanins in Cancer.....	217
	Andries Zijlstra	

11 The Role of Integrin-Linked Kinase in Cancer Development and Progression	245
Paul C. McDonald and Shoukat Dedhar	
12 Focal Adhesion Kinase with the Interacting Proteins and Signaling in Cancer	275
Vita M. Golubovskaya, Elizabeth A. Beierle, Steven N. Hochwald, Elena V. Kurenova, and William G. Cance	
Index.....	307

Cell-Extracellular Matrix Interactions in Cancer

Zent, R.; Pozzi, A. (Eds.)

2010, XII, 314 p. With 1 4-page color insert., Hardcover

ISBN: 978-1-4419-0813-1