

1. Record Nr.	UNINA9910140979903321
Titolo	Cellular domains / / edited by Ivan R. Nabi
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Blackwell, c2011
ISBN	9786613138835 9781283138833 1283138832 9781118015742 1118015746 9781118015735 1118015738 9781118015759 1118015754
Edizione	[1st ed.]
Descrizione fisica	1 online resource (472 p.)
Altri autori (Persone)	Nabilvan R
Disciplina	571.6/4
Soggetti	Cell membranes
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.
Nota di contenuto	Cytoskeleton-induced meso-scale domains / Ziya Kalay, Takahiro K. Fujiwara, Akihiro Kusumi -- Clathrin-coated pits / James R. Thieman, Linton M. Traub -- Caveolae / Dan Tse, Radu V. Stan -- Lipid rafts / Leonard J. Foster -- Modeling membrane domains / Dan Coombs, Raibatak Das and Jennifer S. Morrison -- Mitochondria / Michael Zick, Andreas S. Reichert -- The endoplasmic reticulum / Jody Groenendyk, Marek Michalak -- The golgi apparatus / James W. Dennis, Ivan R. Nabi -- Endosomes / Thierry Galvez, Marino Zerial -- Lysosomes and phagosomes / Guillaume Goyette, Michel Desjardins -- Endoplasmic reticulum junctions / Jesse T. Chao, Christopher J. R. Loewen -- The actin cytoskeleton / Jonathan A. Kelber, Richard L. Klemke -- Microvilli / Florent Ubelmann, Sylvie Robine, Daniel Louvard -- Microtubules / Geoffrey O. Wastenays, Bettina Lechner -- Cilia / Laura Hilton, Lynne Quarmby -- Intermediate filaments / Normand Marceau, Anne Loranger, Stephane Gilbert, Francois Bordeleau -- Focal

adhesions / Caitlin Tolbert, Keith Burridge -- The adherens junction / Christopher P. Toret, W. James Nelson -- The tight junction and desmosomes / Keli Kolegraff, Porfirio Nava, Asma Nusrat -- Gap junctions / Jared M. Churko, Dale W. Laird -- Epithelial domains / Nancy Philp, Liora Shoshani, Marcelino Cereijido, Enrique Rodriguez-Boulan -- Neuronal domains / Jennifer S. Goldman, Timothy E. Kennedy -- Nuclear domains / Dale Corkery, Kendra L. Cann, Graham Dellaire -- The nuclear pore / Richard W. Wozniak, Christopher Ptak, John D. Aitchison -- Cytoplasmic RNA domains / Henry Parker, Tom C. Hobman.

Sommario/riassunto

Cellular domains play vital roles in a wide range of cellular functions. Defining cellular domains and understanding the molecular basis of their formation is essential to the study of cell functionality. This authoritative reference provides the most comprehensive analysis available on cellular domains, with emphasis on the definition and molecular composition of the domain as well as the functional implications of domain organization.
