1. Record Nr. UNINA9910707620103321

Autore	Brown Ronald J.
Titolo	Whirlybirds : U.S. Marine helicopters in Korea / / by Ronald J. Brown
Pubbl/distr/stampa	Washington, D.C. : , : History and Museums Division, Headquarters, U.S. Marine Corps, , 2003
Descrizione fisica	1 online resource (77 pages) : illustrations, maps
Collana	Marines in the Korean War commemorative series
Soggetti	Military helicopters - United States Armed Forces - Aviation Military helicopters History United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.

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Autore	Kloc Malgorzata
Titolo	Syncytia: Origin, Structure, and Functions / / edited by Malgorzata Kloc, Ahmed Uosef
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	3-031-37936-5
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (480 pages)
Collana	Results and Problems in Cell Differentiation, , 1861-0412 ; ; 71
Altri autori (Persone)	UosefAhmed
Disciplina	571.845
Soggetti	Cell differentiation Developmental biology Stem cells Cytology Cell Differentiation Developmental Biology and Stem Cells Stem Cell Biology Cell Biology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I. Germline Syncytia, Evolution, Function, and Structure -- Chapter 1. The Ancient Origin and Function of Germline Cysts -- Chapter 2. Female Germline Cysts in Animals: Evolution and Function -- Chapter 3. Germline and Somatic Cell Syncytia in Insects -- Part II. Syncytia in Embryogenesis and Development -- Chapter 4. Reshaping the Syncytial Drosophila Embryo with Cortical Actin Networks: Four Main Steps of Early Development -- Chapter 5. Cell-Mediated Branch Fusion in the Drosophila Trachea -- Chapter 6. Trophoblast Syncytialization: A Metabolic Crossroads -- Chapter 7. Early Syncytialization of the Ovine Placenta Revisited -- Chapter 8. Syncytia in Utricularia: Origin and Structure -- Part III. Fungal and Somatic Cell Syncytia and Genomic View of Extremophiles as the Ancestral Precursors of Eukaryotic Syncytia -- Chapter 9. Syncytial Assembly Lines: Consequences of Multinucleate Cellular Compartments for Fungal Protein Synthesis -- Chapter 10. Ancestors in The Extreme: A Genomics View of Microbial

Diversity in Hypersaline Aquatic Environments -- Chapter 11. Somatic Cell Fusion in Host Defense and Adaptation -- Chapter 12. Osteoclasts at Bone Remodeling: Order from Order -- Chapter 13. Muscle Progenitor Cell Fusion in the Maintenance of Skeletal Muscle -- Part IV. Virus- and Parasite- Induced Syncytia -- Chapter 14. Virus-Induced Cell Fusion and Syncytia Formation -- Chapter 15. HIV-1 Induced Cell-to-Cell Fusion or Syncytium Formation -- Chapter 16. Relevance of the Entry by Fusion at the Cytoplasmic Membrane vs. Fusion After Endocytosis in the HIV and SARS-Cov-2 Infections -- Chapter 17. Mathematical Modeling of Virus-Mediated Syncytia Formation: Past Successes and Future Directions -- Chapter 18. Syncytium Induced by Plant-Parasitic Nematodes -- Part V. Cell Fusion and Syncytia in Cancer -- Chapter 19. Mechanisms of Cell Fusion in Cancer -- Chapter 20. Cell Fusion and Syncytia Formation in Cancer -- Chapter 21. The Hallmarks of Circulating Hybrid Cells.

Sommario/riassunto

This book gives a current overview on the development, origin, structure, and functions of germline and somatic cell syncytia during embryogenesis and organogenesis. It also reviews pathogen-induced syncytia and the role of syncytial cells in cancer development. The book covers the following topics: germline syncytia, evolution, function and structure; syncytia in embryogenesis and development; the role of somatic cell fusion in fungi, specialized somatic tissues, host defense and adaptation; syncytia induced by viruses and parasites; syncytia and circulating hybrid cells in cancer and other pathological conditions; It also discusses how the genomic adaptations of microorganisms to extreme habitats can prompt the evolution of mononuclear and multinucleate/syncytial cells. The book offers a fresh outlook on syncytia's role in various processes: embryogenesis, organogenesis, adaptation, host defense, and development of specialized tissues. It highlights the importance of syncytia under physiological and pathological conditions.