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Nota di contenuto	Chapter 1: Autophagosomal Sperm Organelle Clearance and mtDNA Inheritance in C. elegans -- Chapter 2: Doubly Uniparental Inheritance of mtDNA: an unappreciated defiance of a general rule -- Chapter 3: Exogenous factors may differentially influence the selective costs of mtDNA mutations -- Chapter 4: Dysfunctional Mitochondrial DNA Transmission and Its Implications for Mammalian Reproduction -- Chapter 5: Mitochondria Inspire a Lifestyle.
Sommario/riassunto	This new volume of our successful book series Advances in Anatomy, Embryology and Cell Biology is focused on mitochondrial inheritance in humans and both vertebrate and invertebrate animals including Drosophila, C. elegans, bivalve mollusc Mytilus and livestock mammals.

Special consideration is given to cellular mechanisms promoting uniparental inheritance of mitochondria and mitochondrial genes, evolutionary perspectives, and biomedical and epidemiological considerations. Contributed by five distinguished mitochondrial research teams from around the world, this volume will target a wide audience of physiologists, anatomists, cell, and developmental and evolutionary biologists, as well as physicians, veterinarians, livestock specialists and biomedical researchers.
