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Collana	Oxford landmark science series
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Soggetti	Mitochondria Mitochondrial DNA Energy metabolism Eukaryotic cells - Evolution
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The deepest evolutionary chasm -- Quest for a progenitor -- The hydrogen hypothesis -- The meaning of respiration -- Proton power -- The origin of life -- Why bacteria are simple -- Why mitochondria make complexity possible -- The power laws of biology -- The warm-blooded revolution -- Conflict in the body -- Foundations of the individual -- The asymmetry of sex -- What human prehistory says about the sexes -- Why there are two sexes -- The mitochondrial theory of ageing -- Demise of the self-correcting machine -- A cure for old age?
Sommario/riassunto	Mitochondria are tiny structures within all our cells, believed to have once evolved from bacteria living independent lives. Drawing on cutting edge research, this book explores the fundamental role they play in some of the biggest themes in biology: evolution, the origin of the sexes, in growth, ageing, disease, and in death.