

1. Record Nr.	UNISA996386642803316
Titolo	Notes on Mr. Danvers's case [[electronic resource]]
Pubbl/distr/stampa	[London?, : s.n., 1691]
Descrizione fisica	1 sheet ([1] p.)
Soggetti	Land tenure - England Real property - England Estates (Law) - Cases - England
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Caption title. Imprint from Wing CD-ROM, 1996. Reproduction of the original in the British Library.
Sommario/riassunto	eebo-0018

2. Record Nr.	UNINA9910373902803321
Autore	Vekshin Nikolai
Titolo	Biophysics of Mitochondria / / by Nikolai Vekshin
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-33853-3
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XII, 197 p. 118 illus.)
Disciplina	611.01816 571.657
Soggetti	Molecular biology Biophysics Cytology Cell physiology Pharmacology Mitocondris Biofísica Molecular Medicine Biological and Medical Physics, Biophysics Cell Biology Cell Physiology Pharmacology/Toxicology Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The mitochondria in the cell -- Early studies -- Structural features -- Are there giant mitochondria and reticulum -- Evolutionary origins -- Reproduction of mitochondria in cell -- Mitochondrial DNA -- Membrane and matrix proteins -- Bioenergetics -- The respiratory chain -- NADH-dehydrogenase -- Succinate dehydrogenase -- Cytochrome oxidase -- Interactions in enzyme-substrate complexes -- Mechanisms of electron transfer -- Membrane synthesis of ATP -- Proton transport and the chemiosmotic hypothesis -- On the measurement of transmembrane potential -- The conformational

hypothesis -- Thermal coupling model -- Photo-respiration and photo-induced synthesis of ATP -- Surface photodesorption -- Flavin and ubiquinone of NADH-dehydrogenases are not involved in the transfer of electrons to artificial acceptors -- The lag-period and the pseudo-oscillations in redox-reactions of NADH with DPIP -- Electron-conformational properties of the flavoprotein fragment of NADH-dehydrogenase -- Resonant energy transfer from mitochondrial proteins to NADH -- Flavin loss from NADH-dehydrogenase complex -- Stabilization of NADH-dehydrogenase by adenosine phosphates -- Dehydrogenase mitochondrial activity in the touch, determined by the decrease in tryptophan fluorescence by formosan -- Rotenone-insensitive NADH oxidation by respiratory chain fragments -- Cytochrome-C shunts oxidation of NADH -- NADH-oxidation mitochondrial activity in hypotension when you block the respiratory chain -- Do mitochondria swell much? -- Some properties of protomitochondria -- Protomitochondria in liver cells -- Germinal protomitochondria -- Fluorimetric comparison of protomitochondria and mitochondria -- Photometry and fluorimetry of protomitochondria from liver of young and adult rats.-Degradation of mitochondria to lipofuscin during heating and lighting -- Production of superoxide and lipofuscin after the loss of flavin by NADH-dehydrogenase -- Some properties of mitochondrial lipofuscin.

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#### Sommario/riassunto

In this monograph, the author -Head researcher at the Institute of Cell Biophysics of Russian Academy of Sciences- discusses the results of his own long-term studies of mitochondria as well as alternative points of view and experiments of other important researchers in the field. The monograph contains the main aspects of mitochondrial research by a number of physical methods: fluorescence spectroscopy, UV-vis spectrophotometry, IR spectroscopy, light-scattering, optical microscopy, fluorescence microscopy, colorimetry, photobleaching, polarography, among others. The monograph is very useful for researchers and graduate students specializing in mitochondrial biophysics, biochemistry, molecular biology and cytology. The book was published in Russian in 2019 by Photon Publishers (Pushchino, Moscow region).

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