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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A brief history of evolutionary thinking -- Outlining the major transitions in the history of life -- One central mystery : why did eukaryotes only evolve once? -- A levels-of-selection view of evolutionary physiology -- The cell as the smallest functional unit of biology/physiology -- Development of tissues and organs -- When homeostasis fails -- Wnt signaling during development -- Integrated regulation of homeostasis : vascular, nervous, endocrine, neuroendocrine, autonomic -- Endogenous and exogenous mechanisms for healing -- Systems biology as recapitulation of ontogeny and phylogeny -- Terminal addition as physiologic homeostasis and regeneration, or evolutionary medicine -- Phantom limbs, imagination and epigenetics -- Man's place in the universe -- Evolution, deception, and public health.