

1. Record Nr.	UNINA9910140842403321
Titolo	Human brain evolution [[electronic resource]] : the influence of freshwater and marine food resources // edited by Stephen C. Cunnane and Kathlyn M. Stewart
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Blackwell, c2010
ISBN	1-282-72871-7 9786612728716 0-470-60988-5 0-470-60987-7
Descrizione fisica	1 online resource (240 p.)
Altri autori (Persone)	CunnaneStephen C StewartKathlyn Moore
Disciplina	612.8/2
Soggetti	Brain - Evolution Human evolution Cognition Seafood Nutritional anthropology Aquatic resources Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Macroevolutionary patterns, exaptation and emergence in the evolution of the human brain and cognition / Ian Tattersall -- Long-chain polyunsaturated fatty acids in human brain evolution / Michael A. Crawford -- Human brain evolution : a question of solving key nutritional and metabolic constraints on mammalian brain development / Stephen C. Cunnane -- Metabolic and molecular aspects of the critical role of docosahexaenoic acid in human brain function / J. Thomas Brenna -- Lessons from shore-based hunter-gatherer diets in East Africa / Frits A.J. Muskiet and Remko S. Kuipers -- Thyroid hormone, iodine and human brain evolution / Sebastiano Venturi and Michel E. Begin -- Food for thought : the role of coastlines and aquatic

resources in human evolution / Jon M. Erlandson -- The case for exploitation of wetlands environments and foods by pre-sapiens hominins / Kathlyn M. Stewart -- Brain size in carnivoran mammals that forage at the land-water ecotone, with implications for robust australopithecine paleobiology / Alan B. Shabel -- Coastal diet, encephalization and innovative behaviours in the late Middle Stone Age of southern Africa / John Parkington -- Human brain evolution : a new wetlands scenario / Stephen C. Cunnane and Kathlyn M. Stewart.

Sommario/riassunto

The evolution of the human brain and cognitive ability is one of the central themes of physical/biological anthropology. This book discusses the emergence of human cognition at a conceptual level, describing it as a process of long adaptive stasis interrupted by short periods of cognitive advance. These advances were not linear and directed, but were acquired indirectly as part of changing human behaviors, in other words through the process of exaptation (acquisition of a function for which it was not originally selected). Based on studies of the modern human brain, certain prerequisites were n
