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Titolo	Perinatal programming [[electronic resource]] : the state of the art // edited by Andreas Plagemann
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Descrizione fisica	1 online resource (310 p.)
Altri autori (Persone)	PlagemannAndreas
Disciplina	618.3/2
Soggetti	Perinatology
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The past and future of perinatal medicine -- Experimental models of low birth weight--insight into the developmental programming of metabolic health, aging, and immune function -- Cardiovascular consequences of IUGR : experimental aspects -- Fetal programming of endocrine function in IUGR offspring depends on the cause of low birth weight : evidence from animal models and the human FIPS-study -- Intrauterine corticosteroids for lung maturation : observations of HPA axis function and cardiac autonomic balance in the neonate -- Feast or famine : in the fast lane to puberty -- Early life origins of diabetes and obesity : general aspects and the thin-fat baby paradigm -- The outcome in offspring of obese mothers -- Short and long term effects of gestational obesity : clinical observations -- Emerging role of neuroendocrine programming in obesity -- Genetic influences on the long-term effects of the perinatal environment on energy homeostasis and offspring obesity -- Perinatal programming in offspring of diabetic mothers : clinical data -- Experimental observations on perinatal programming in offspring of diabetic mothers -- Prenatal infections and long-term mental outcome : modeling schizophrenia-related dysfunctions using the prenatal Poly I : C model in mice -- Prenatal programming of cognition and emotion in humans : from birth to age 20 -- Perinatal programming of allergy -- Perinatal origin of testicular germ cell cancer : possible involvement of developmental re-

programming -- Epigenetic adaptation during early life -- Toward a unifying concept on perinatal programming.

Sommario/riassunto

Perinatal Programming addresses the environment-dependent setting of fundamental life functions and dispositions for diseases in developmental periods during pregnancy and in early infancy. It provides a new view of the origins of health and diseases. To realize these associations may enable us to prevent diseases for the long term. This book reviews actual state-of-the-art knowledge in the perinatal programming field. The authors are internationally known scientists of this research area.