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Nota di contenuto	Handbook of Developmental Science, Behavior, and Genetics; Contents; Contributors; Foreword: Gilbert Gottlieb and the Developmental Point of View; Preface and Acknowledgments; Part I: Introduction; 1 Developmental Systems, Nature-Nurture, and the Role of Genes in Behavior and Development: On the legacy of Gilbert Gottlieb; 2 Normally Occurring Environmental and Behavioral Influences on Gene Activity: From central dogma to probabilistic epigenesis; Part II: Theoretical Foundations for the Developmental Study of Behavior and Genetics 3 Historical and Philosophical Perspectives on Behavioral Genetics and Developmental Science 4 Development and Evolution Revisited; 5 Probabilistic Epigenesis and Modern Behavioral and Neural Genetics; 6 The Roles of Environment, Experience, and Learning in Behavioral Development; 7 Contemporary Ideas in Physics and Biology in Gottlieb's

Psychology; Part III: Empirical Studies of Behavioral Development and Genetics; 8 Behavioral Development during the Mother-Young Interaction in Placental Mammals: The development of behavior in the relationship with the mother

9 Amniotic Fluid as an Extended Milieu Interieur10 Developmental Effects of Selective Breeding for an Infant Trait; 11 Emergence and Constraint in Novel Behavioral Adaptations; 12 Nonhuman Primate Research Contributions to Understanding Genetic and Environmental Influences on Phenotypic Outcomes across Development; 13 Interactive Contributions of Genes and Early Experience to Behavioral Development: Sensitive periods and lateralized brain and behavior; 14 Trans-Generational Epigenetic Inheritance; 15 The Significance of Non-Replication of Gene-Phenotype Associations

16 Canalization and Malleability Reconsidered: The developmental basis of phenotypic stability and variabilityPart IV: Applications to Development; 17 Gene-Parenting Interplay in the Development of Infant Emotionality; 18 Genetic Research in Psychiatry and Psychology: A critical overview; 19 On the Limits of Standard Quantitative Genetic Modeling of Inter-Individual Variation: Extensions, ergodic conditions and a new genetic factor model of intra-individual variation  
20 Songs My Mother Taught Me: Gene-Environment Interactions, Brain Development and the Auditory System: Thoughts on Non-Kin Rejection21 Applications of Developmental Systems Theory to Benefit Human Development: On the contributions of Gilbert Gottlieb to individuals, families, and communities; Author Index; Subject Index

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Sommario/riassunto

The Handbook of Developmental Science, Behavior, and Genetics brings together the cutting-edge theory, research and methodology that contribute to our current scientific understanding of the role of genetics in the developmental system. Commemorates the historically important contributions made by Gilbert Gottlieb in comparative psychology and developmental science Includes an international group of contributors who are among the most respected behavioral and biological scientists working today Examines the scientific basis for rejecting the reductionism and counterfactuals

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