Record Nr. UNINA9910786110703321 Autore Griffiths Paul <1962-> **Titolo** Genetics and philosophy: an introduction / / Paul Griffiths, Karola Stotz [[electronic resource]] Cambridge:,: Cambridge University Press,, 2013 Pubbl/distr/stampa **ISBN** 1-107-35726-8 1-107-23404-2 1-107-34389-5 1-107-25535-X 1-107-34764-5 1-107-34514-6 1-107-34139-6 0-511-74408-0 Descrizione fisica 1 online resource (viii, 270 pages) : digital, PDF file(s) Collana Cambridge introductions to philosophy and biology Classificazione SCI075000 Disciplina 572.8/6 Soggetti Genes Genomics Genetics - Philosophy Developmental genetics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Title from publisher's bibliographic system (viewed on 05 Oct 2015). Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Machine generated contents note: 1. Mendel's gene; 2. The physical gene; 3. The behavioural gene; 4. The reactive genome; 5. Outside the gene; 6. The informational gene; 7. The evolving gene. In the past century, nearly all of the biological sciences have been Sommario/riassunto directly affected by discoveries and developments in genetics, a fastevolving subject with important theoretical dimensions. In this rich and accessible book, Paul Griffiths and Karola Stotz show how the concept of the gene has evolved and diversified across the many fields that make up modern biology. By examining the molecular biology of the 'environment', they situate genetics in the developmental biology of whole organisms, and reveal how the molecular biosciences have undermined the nature/nurture distinction. Their discussion gives full

weight to the revolutionary impacts of molecular biology, while rejecting 'genocentrism' and 'reductionism', and brings the topic right up to date with the philosophical implications of the most recent developments in genetics. Their book will be invaluable for those studying the philosophy of biology, genetics and other life sciences.