

1. Record Nr.	UNINA9910583042303321
Autore	Bottacchi Stefano
Titolo	Theory and modeling of cylindrical nanostructures for high-resolution coverage spectroscopy // Stefano Bottacchi, Francesca Bottacchi
Pubbl/distr/stampa	Amsterdam, Netherlands : , : Elsevier, , 2017 ©2017
ISBN	0-323-52732-9
Descrizione fisica	1 online resource (503 pages) : illustrations (some color), graphs
Collana	Micro & Nano Technologies Series
Disciplina	543.62
Soggetti	High resolution spectroscopy Nanostructured materials - Spectra
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.

2. Record Nr.	UNINA9910977582603321
Titolo	Igiene ambientale / a cura del gruppo di lavoro "Salute ed ambiente" della Società Italiana di Igiene, Medicina Preventiva e Sanità Pubblica ; curatori Antonio Azara ... [et al.]
Pubbl/distr/stampa	Napoli, : EdiSES, c2024
ISBN	978-88-362-3203-1
Descrizione fisica	XIV, 330 p. : ill. ; 27 cm
Disciplina	363.72
Locazione	SC1
Collocazione	363.72-AZA-1
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
3. Record Nr.	UNINA9911020374203321
Titolo	Molecular epidemiology of chronic diseases // editors, Chris Wild, Paolo Vineis, Seymour Garte
Pubbl/distr/stampa	Chichester, England ; ; Hoboken, NJ, : J. Wiley, c2008
ISBN	9786612342929 9781119965619 1119965616 9781282342927 1282342924 9780470725726 0470725729 9780470725719 0470725710
Descrizione fisica	1 online resource (386 p.)
Altri autori (Persone)	WildChris <1959-> VineisPaolo GarteSeymour J
Disciplina	614.4
Soggetti	Molecular epidemiology Chronic diseases - Epidemiology

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	<p>MOLECULAR EPIDEMIOLOGY OF CHRONIC DISEASES; Contents; Contributors; Acknowledgements; 1 Introduction: why molecular epidemiology?; 2 Study design; 2.1. Introduction: study design at square one; 2.2. Epidemiological measures; 2.3. Bias; 2.4. More on confounding; 2.5. Specificities of molecular epidemiology design; 2.6. Conclusions; References; Essential reading; 3 Molecular epidemiological studies that can be nested within cohorts; 3.1. Introduction; 3.2. Case-cohort studies; 3.3. Nested case-control studies</p> <p>3.4. Considerations regarding biomarker analyses in case-cohort and nested case-control studies</p> <p>3.5. Conclusion; References; 4 Family studies, haplotypes and gene association studies; 4.1. Introduction; 4.2. Family studies; 4.3. Genetic association studies; 4.4. Discussion; References; 5 Individual susceptibility and gene-environment interaction; 5.1. Individual susceptibility; 5.2. Genetic susceptibility; 5.3. Metabolic susceptibility genes; 5.4. Study designs; 5.5. Gene-environment interaction; 5.6. Exposure dose effects in gene-environment interactions</p> <p>5.7. Mutational effects of gene-environment interactions</p> <p>5.8. Conclusions; References; 6 Biomarker validation; 6.1. Validity and reliability; 6.2. Biomarker variability; 6.3. Measurement of variation; 6.4. Other issues of validation; 6.5. Measurement error; 6.6. Blood collection for biomarkers; 6.7. Validation of high-throughput techniques; References; 7 Exposure assessment; 7.1. Introduction; 7.2. Initial considerations of an exposure assessment strategy; 7.3. Exposure pathways and routes; 7.4. Exposure dimensions; 7.5. Exposure classification, measurement or modelling</p> <p>7.6. Retrospective exposure assessment</p> <p>7.7. Validation studies; 7.8. Quality control issues; References; 8 Carcinogen metabolites as biomarkers; 8.1. Introduction; 8.2. Overview of carcinogen metabolism; 8.3. Examples of carcinogen metabolite biomarkers; 8.4. Summary; References; 9 Biomarkers of exposure: adducts; 9.1. Introduction; 9.2. Methods for adduct detection; 9.3. Adducts identified in human tissue; 9.4. Adducts as biomarkers of occupational and environmental exposure to carcinogens; 9.5. Smoking-related adducts; 9.6. DNA adducts in prospective studies; 9.7. Conclusions; References</p> <p>10 Biomarkers of mutation and DNA repair capacity</p> <p>10.1. Introduction; 10.2. Classification of mutations; 10.3. Mutations in molecular epidemiology; 10.4. DNA repair; 10.5. Classes of DNA repair; 10.6. Common assays to measure DNA repair capacity; 10.7. Integration of DNA repair assays into epidemiological studies; 10.8. Genetic markers for DNA repair capacity; References; 11 High-throughput techniques - genotyping and genomics; 11.1. Introduction; 11.2. Background; 11.3. SNP databases; 11.4. Study types; 11.5. Study design; 11.6. Genotyping technologies</p> <p>11.7. Sample and study management and QC</p>
Sommario/riassunto	<p>"I think this is an excellent book-I recommend it to anyone involved in molecular epidemiology... The 26 chapters are written by topic specialists, in an explanatory, easy to read style." -BTS Newsletter, Summer 2009</p> <p>"This text provides an accessible and useful handbook for the epidemiologist who wants to survey the field, to become better</p>

informed, to look at recent developments and get some background on these or simply to appreciate further the relatively rapid changes in informatic and analytical technologies which increasingly will serve and underpin future epidemiol

4. Record Nr.	UNINA9910973328303321
Titolo	Epigenetics : linking genotype and phenotype in development and evolution // edited by Benedikt Hallgrimsson and Brian K. Hall
Pubbl/distr/stampa	Berkeley, : University of California Press, c2011
ISBN	9786613331854 9781283331852 1283331853 9780520948822 0520948823
Edizione	[1st ed.]
Descrizione fisica	1 online resource (469 p.)
Classificazione	WG 1940
Altri autori (Persone)	HallgrimssonBenedikt HallBrian K <1941-> (Brian Keith)
Disciplina	576.5/3
Soggetti	Phenotype Epigenesis Genotype-environment interaction Genetic regulation Developmental genetics Evolutionary genetics
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	Frontmatter -- Contents -- Contributors -- 1. Introduction -- 2. A Brief History of the Term and Concept Epigenetics -- 3. Heuristic Reductionism and the Relative significance of Epigenetic Inheritance in evolution -- 4. The Epigenetics of Genomic Imprinting: Core Epigenetic Processes are conserved in Mammals, Insects, and Plants -- 5. Methylation Mapping in Humans -- 6. Asexuality and Epigenetic

Variation -- 7. Epigenesis, Preformation, and the Humpty Dumpty Problem -- 8. A Principle of Developmental Inertia -- 9. The Role of Epigenetics in Nervous System Development -- 10. Morphogenesis of Pigment Patterns: Experimental and Modeling Approaches -- 11. Epigenetic Interactions of the Cardiac Neural Crest -- 12. Epigenetics in Bone and cartilage Development -- 13. Muscle-Bone Interactions and the Development of skeletal Phenotype: Jaw muscles and the skull -- 14. Evolution of the Apical Ectoderm in the Developing Vertebrate Limb -- 15. Role of Skeletal Muscle in the Epigenetic Shaping of Organs, Tissues, and Cell Fate Choices -- 16. Epigenetic Integration, Complexity, and Evolvability of the Head: Rethinking the Functional Matrix Hypothesis -- 17. Epigenetic Interactions: The Developmental Route to Functional Integration -- 18. Epigenetic Contributions to Adaptive Radiation: Insights from Threespine Stickleback -- 19. Learning, Developmental Plasticity, and the Rate of Morphological Evolution -- 20. Epigenetics: Adaptation or Contingency? -- 21. The Epigenetics of Dymorphology. Craniosynostosis as an Example -- 22. Epigenetics of Human Disease -- 23. Epigenetics: The Context of Development -- Index

Sommario/riassunto

Illuminating the processes and patterns that link genotype to phenotype, epigenetics seeks to explain features, characters, and developmental mechanisms that can only be understood in terms of interactions that arise above the level of the gene. With chapters written by leading authorities, this volume offers a broad integrative survey of epigenetics. Approaching this complex subject from a variety of perspectives, it presents a broad, historically grounded view that demonstrates the utility of this approach for understanding complex biological systems in development, disease, and evolution. Chapters cover such topics as morphogenesis and organ formation, conceptual foundations, and cell differentiation, and together demonstrate that the integration of epigenetics into mainstream developmental biology is essential for answering fundamental questions about how phenotypic traits are produced.
