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| 1. Record Nr. | UNINA9910784542203321 |
| Titolo | Variation [[electronic resource] /] / edited by Benedikt Hallgrímsson, Brian Hall |
| Pubbl/distr/stampa | Amsterdam ; ; Boston, : Elsevier Academic Press, c2005 |
| ISBN | 1-280-63060-4 9786610630608 0-08-045446-1 |
| Descrizione fisica | 1 online resource (594 p.) |
| Altri autori (Persone) | HallgrímssonBenedikt HallBrian Keith <1941-> |
| Disciplina | 576.5/4 |
| Soggetti | Variation (Biology) |
| 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. |
| Nota di contenuto | Variation; Variation; CONTENTS; Variation and Variability: Central Concepts in Biology; REFERENCES; Variation from Darwin to the Modern Synthesis; INTRODUCTION; I. VARIATION BEFORE DARWIN; II. DARWIN AND VARIATION; III. ALTERNATIVE THEORIES OF VARIATION AND EVOLUTION; IV. NEO-DARWINISM; V. THE EVOLUTIONARY SYNTHESIS; VI. CONCLUSIONS; REFERENCES; The Statistics of Variation; ABSTRACT; INTRODUCTION; I. ABSOLUTE VARIATION: UNIVARIATE CASE; II. ABSOLUTE VARIATION: MULTIVARIATE CASE; III. RELATIVE VARIATION: UNIVARIATE CASE; IV. RELATIVE VARIATION: MULTIVARIATE CASE; V. DIMENSIONALITY OF VARIATION VI. TIGHTNESSVII. MEASUREMENT ERROR AND SINGLE SPECIMENS; REFERENCES; Landmark Morphometrics and the Analysis of Variation; INTRODUCTION; I. COORDINATE DATA AND THE COORDINATE SYSTEM; II. THE GENERAL PERTURBATION MODEL FOR LANDMARK VARIATION; III. PROPER ELIMINATION OF NUISANCE PARAMETERS USING A COORDINATE SYSTEM INVARIANT METHOD OF ESTIMATION; IV. ADDING ASSUMPTIONS TO THE PERTURBATION MODEL; V. CONCLUSIONS; ACKNOWLEDGMENTS; REFERENCES; Variation in Ontogeny; INTRODUCTION; I. MEASURING VARIATION: A CASE STUDY; II. IMPLICATIONS FOR STUDIES OF VARIATION; III. CONCLUSIONS; ACKNOWLEDGMENTS |

REFERENCES
Constraints on Variation from Genotype through Phenotype to Fitness; INTRODUCTION; I. RNA EVOLUTIONARY MODEL; II. EVOLVING CONSTRAINTS ON VARIATION IN RNA; III. MECHANISTIC CONSTRAINTS; IV. EPISTATIC CONSTRAINTS; V. VIABILITY CONSTRAINTS; VI. MODULARITY: A WAY OUT OF THE CONSTRAINTS; ACKNOWLEDGMENTS; REFERENCES; Developmental Origins of Variation; INTRODUCTION; I. DOES INTRINSIC DEVELOPMENTAL VARIATION EXIST?; II. INTRINSIC VARIATION IN DIFFERENT ENVIRONMENTS; III. POTENTIAL ORIGINS OF INTRINSIC DEVELOPMENTAL VARIATION; IV. AN EXAMPLE OF NOISE IN EUKARYOTIC TRANSCRIPTION
V. NOISY BICOID GENE EXPRESSION IN FRUIT FLIESVI. NOISE IN ASYMMETRY PRODUCTION; VII. NOISY IMPLICATION FOR EVOLUTION; VIII. NETWORKS; IX. MORPHOGENETIC FIELDS: A POTENTIAL SOURCE OF VARIATION; X. IMPLICATIONS; XI. SUMMARY; ACKNOWLEDGMENTS; REFERENCES; Canalization, Cryptic Variation, and Developmental Buffering: A Critical Examination and Analytical Perspective; INTRODUCTION; I. A REVIEW OF THE REVIEWS; II. EMPIRICAL CONCERN FOR THE STUDY OF CANALIZATION; III. DEFINITIONS OF CANALIZATION; IV. REACTION NORM OF THE MEAN (RxNM) DEFINITION OF CANALIZATION
XV. THE FUTURE FOR STUDIES OF CANALIZATION

Sommario/riassunto

Darwin's theory of evolution by natural selection was based on the observation that there is variation between individuals within the same species. This fundamental observation is a central concept in evolutionary biology. However, variation is only rarely treated directly. It has remained peripheral to the study of mechanisms of evolutionary change. The explosion of knowledge in genetics, developmental biology, and the ongoing synthesis of evolutionary and developmental biology has made it possible for us to study the factors that limit, enhance, or structure variation at the level of an

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| 2. Record Nr. | UNINA9910133361803321 |
| Autore | Jean-Paul Aeschlimann |
| Titolo | Histoire et agronomie : entre ruptures et durée |
| Pubbl/distr/stampa | IRD Éditions, 2007 [Place of publication not identified], : IRD Éditions, 2007 |
| ISBN | 9782709917643 2709917645 |
| Descrizione fisica | 1 online resource (512 pages) |
| Collana | Colloques et séminaires |
| Soggetti | Agriculture Earth & Environmental Sciences Plant Sciences |
| Lingua di pubblicazione | Francese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Bibliographic Level Mode of Issuance: Monograph |
| Sommario/riassunto | Au cours des deux derniers siècles, le champ des agronomies a été traversé par de nombreuses révolutions qui ont constitué autant de ruptures importantes. Alors que ces disciplines se trouvent aujourd'hui face à l'émergence de nouveaux paradigmes comme celui du développement durable, il était important d'amener agronomes et historiens à confronter leurs savoirs pour mieux analyser les changements sociaux et techniques qui ont découlé de ces ruptures. Si pour l'historien, les ruptures s'inscrivent essentiellement dans la durée, pour l'agronome, elles répondent davantage à des questions pratiques de production et de protection des espaces naturels. Et les sciences de l'agronomie ont beaucoup à gagner en intégrant le regard des historiens à leurs propres perceptions des hommes, des concepts et des techniques. Cet ouvrage présente le résultat des réflexions croisées de quelque trente spécialistes européens de ces deux disciplines, réunis à Montpellier deux cents ans après la parution du travail fondateur de Nicolas-Théodore de Saussure (1804). |