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Autore	Albahari Maurizio
Titolo	Crimes of peace : Mediterranean migrations at the world's deadliest border // Maurizio Albahari
Pubbl/distr/stampa	Philadelphia, Pennsylvania : , : University of Pennsylvania Press, , 2015 ©2015
ISBN	0-8122-9172-7
Descrizione fisica	1 online resource (283 p.)
Collana	Pennsylvania studies in human rights
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Disciplina	304.8/45
Soggetti	Immigrants - Mortality - Mediterranean Region - History - 20th century Immigrants - Mortality - Mediterranean Region - History - 21st century Italy Emigration and immigration History 20th century Italy Emigration and immigration History 21st century Mediterranean Region Emigration and immigration History 20th century Mediterranean Region Emigration and immigration History 21st century
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Based on the author's 2006 University of California, Irvine Ph.D. thesis titled: Death and the moral state: making borders and sovereignty at the southern edges of Europe.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Contents -- Introduction: On the Threshold of Liberty -- Chapter 1. Genealogies of Care and Confinement -- Chapter 2. Genealogies of Rescue and Pushbacks -- Chapter 3. Sovereignty as Salvation: Moral States -- Chapter 4. Sovereignty as Preemption: Undocumented States -- Chapter 5. Spring Uprisings, Fall Drownings -- Chapter 6. Public Aesthetics Amid Seas -- Notes -- Bibliography -- Index -- Acknowledgments
Sommario/riassunto	Among the world's hotly contested, obsessively controlled, and often dangerous borders, none is deadlier than the Mediterranean Sea. Since 2000, at least 25,000 people have lost their lives attempting to reach Italy and the rest of Europe, most by drowning in the Mediterranean. Every day, unauthorized migrants and refugees bound for Europe put their lives in the hands of maritime smugglers, while fishermen, diplomats, priests, bureaucrats, armed forces sailors, and hesitant bystanders waver between indifference and intervention—with

harrowing results. In *Crimes of Peace*, Maurizio Albahari investigates why the Mediterranean Sea is the world's deadliest border, and what alternatives could improve this state of affairs. He also examines the dismal conditions of migrants in transit and the institutional framework in which they move or are physically confined. Drawing on his intimate knowledge of places, people, and European politics, Albahari supplements fieldwork in coastal southern Italy and neighboring Mediterranean locales with a meticulous documentary investigation, transforming abstract statistics into names and narratives that place the responsibility for the Mediterranean migration crisis in the very heart of liberal democracy. Global fault lines are scrutinized: between Europe, Africa, and the Middle East; military and humanitarian governance; detention and hospitality; transnational crime and statecraft; the universal law of the sea and the thresholds of a globalized yet parochial world. *Crimes of Peace* illuminates crucial questions of sovereignty and rights: for migrants trying to enter Europe along the Mediterranean shore, the answers are a matter of life or death.

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Titolo

Molecular and quantitative animal genetics / / edited by Hasan Khatib

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Descrizione fisica

1 online resource (331 pages) : illustrations (some color)

Classificazione

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Soggetti

Animal genetics

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Non definito

Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes bibliographical references and index
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	<p>Cover -- Title page -- Copyright page -- Contents -- Contributors -- Manuscript Reviewers -- Preface -- 1: Decoding and Encoding the "DNA" of Teaching and Learning in College Classrooms -- Introduction -- Teaching and learning: definitions -- Understanding learning -- Research in learning -- Transferable and life-long learning skills and aptitudes -- Understanding teaching -- Research in teaching -- Implications for classroom design in the twenty-first century -- Architecture of an effective classroom -- Instructional features for life-long learning -- Toward an active learning classroom -- Final thoughts -- References -- Review questions -- Section 1: Quantitative and Population Genetics -- 2: Mating Systems: Inbreeding and Inbreeding Depression -- Introduction -- Inbreeding -- Genetic defects -- Inbreeding depression -- Cause of inbreeding depression -- Quantifying inbreeding -- Inbreeding coefficient -- Inbreeding coefficient formula -- Calculating inbreeding coefficients -- Genomics and inbreeding -- Summary -- Further reading -- References -- Review questions -- 3: Genomic Selection, Inbreeding, and Crossbreeding in Dairy Cattle -- Introduction -- Genomic selection -- Genotyping tools -- Parentage verification and discovery -- Individual genes with large effects -- Genotype imputation -- Genome-enabled breeding value prediction -- Applications of genomics to selection of elite breeding stock -- Applications of genomics to improvement of replacement heifers on commercial farms -- Crossbreeding -- Breed characteristics and complementarity -- Heterosis and crossbreeding systems -- Experiments and field results -- Inbreeding and genetic defects -- Relationships, inbreeding, and effective population size -- Inherited defects -- Inbreeding depression for quantitative traits -- Managing inbreeding and genetic diversity -- Summary -- References. Review questions -- 4: Basic Genetic Model for Quantitative Traits -- Introduction -- Quantitative traits -- Expected value and variance: the normal distribution -- Basic genetic model for quantitative traits -- Heritability and selection -- Predicting rate of genetic change from selection -- Further reading -- References -- 5: Heritability and Repeatability -- Introduction -- Heritability -- Estimation of heritability and variance components -- Prediction of breeding values and of response to selection -- Repeatability -- References -- 6: Applications of Statistics in Quantitative Traits -- Population and sample -- Parameter and statistics -- Descriptive statistics -- Types of variables -- Descriptive statistics categorical (qualitative) data -- Descriptive statistics for quantitative variables -- Comparing of arithmetic mean, median, and mode -- Measures of dispersion -- Graphically examining the distribution of the data -- Graphical presentation of categorical data -- Graphical presentation of quantitative data -- Normal distribution -- Area under the curve -- Standard normal distributions -- Exploring relationships between variables -- Covariance -- Correlation -- Regression -- Summary -- Population and sample -- Descriptive statistics -- Graphically examining the distribution of the data -- Normal distribution -- Exploring relationships between variables -- Appendix 6.1 -- Further reading -- References -- Review questions -- Section 2: Applications of Genetics and Genomics to Livestock and Companion Animal Species -- 7: Genetic Improvement of Beef Cattle -- Introduction -- Single trait selection -- National cattle</p>

evaluation -- Multiple trait selection -- Summary -- Further reading -- References -- 8: Genetic Improvement in Sheep through Selection -- Products from sheep -- Selection among breeds.

Selection within a breed or population and the Key Equation -- Adjustment for environmental effects -- Phenotypic selection -- Estimated breeding values (EBV) -- Using multiple sources of information -- Genetic correlations -- Selection intensity -- Generation interval (L) -- Predicting progress from selection -- National genetic improvement programs -- Summary -- Further reading -- References -- Review questions -- 9: Genetic Improvement Programs for Dairy Cattle -- Introduction -- Data collection infrastructure -- Milk recording -- Pedigree information -- Type classification -- Health, fertility, calving ability, and longevity data -- Progeny testing and AI programs -- Estimation of breeding values -- Pre-adjustment for known environmental effects -- Contemporary groups -- Animal model genetic evaluations -- Four paths of selection -- Selection for increased productivity -- Milk yield -- Component percentages and cheese yield -- Maintenance costs and efficiency of milk production -- Net merit index (income portion) -- Selection for functional traits -- Calving performance -- Male and female fertility -- Udder health and mastitis -- Mobility -- Frame size and body condition -- Culling and longevity -- Net merit index (expense portion) -- Sire selection -- Selection index or independent culling levels? -- Reliability and management of risk -- Gender-enhanced semen -- Summary -- Further reading -- References -- Review questions -- 10: Genetic and Genomic Improvement of Pigs -- Introduction -- Domestication of swine and breed development -- Methods of selection and mating systems -- Traits of economic importance -- Development of molecular genetic approaches -- QTL, candidate genes, and genetic improvement -- Sequencing the pig genome -- Genomic selection -- Databases -- Cloning, transgenics, and breeding pigs as biological models.

Future applications to genetic improvement -- Acknowledgments -- Further reading -- References -- Review questions -- 11: Equine Genetics -- Color -- Introduction -- Base colors -- Modifiers to base colors -- Other modifications -- White markings -- Paint/pinto patterns -- Genetic defects -- Introduction -- Dominant disorders -- Recessive disorders -- The genetics of health -- Inbreeding and relationship -- Inbreeding -- Relationship -- Selection and improvement -- Quantitative genetics -- Genetic improvement -- Genetic evaluation -- New technologies -- Cloning -- Equine genomics -- Further reading -- References -- Review questions -- 12: Genetics and Genomics of the Domestic Dog -- Introduction to canine research -- Domestication -- Breeding -- A model organism -- Genetic testing -- The dog genome -- Genomic tools -- Whole genome sequence -- Genome structure -- Uncovering the genetic basis of phenotypes -- Candidate gene approaches -- Genome-wide approaches -- Quantitative traits -- Future challenges -- Behavior -- Cancer -- Summary -- Further reading -- References -- Review questions -- 13: The Sheep Genome -- Investment in sheep genome research -- Overview of the sheep genome -- Genomic resources in sheep -- Physical map -- Linkage maps -- Radiation hybrid maps -- SNP arrays -- BAC library and end sequences -- Whole genome reference sequence -- Whole genome assembly -- Application of genomic resources -- Summary -- References -- Review questions -- 14: Goat Genetics and Genomic Progress -- Introduction -- Genetics and goat domestication -- Taxonomy -- Goat chromosome number and structure -- Patterns of inheritance -- Mendelian traits and exceptions

-- Quantitative trail loci (QTL) -- Progress in goat genomics -- Biotechnologies and goat genetics -- Cloning -- Transgenic animals -- Summary -- Further reading -- Review questions.

Section 3: Molecular Genetics of Production and Economically Important Traits -- 15: Bioinformatics in Animal Genetics -- Introduction -- Bioinformatics and animal genetics -- The importance of bioinformatics in genomics research -- Genome sequencing -- Alignment -- Genome assembly -- Annotation -- Gene expression -- Microarrays -- RNA-Seq -- Gene regulation -- Epigenetics -- Genomic data manipulation -- R language -- Bioconductor -- Web-based tools -- Bioinformatics perspectives in animal genetics -- References -- Review questions -- 16: Genome-wide Association Studies in Pedigreed Populations -- Introduction -- Experimental designs -- Genotyping and linkage disequilibrium -- Quality control -- The statistical analysis -- Significance testing -- Inspection of GWAS results -- Dealing with population structure -- Methods and tools for GWAS in pedigreed populations -- PLINK -- TASSEL -- EMMA/EMMAX -- GenABEL -- Things to remember about analysis -- What did we miss? -- Acknowledgments -- References -- 17: Molecular Genetics Techniques and High Throughput Technologies -- Central dogma of molecular biology -- Review of properties of nucleic acids -- Purification of nucleic acids from cells -- Determining the quantity and purity of nucleic acids -- UV spectrophotometry -- Fluorometry -- Gel electrophoresis -- Polymerase chain reaction (PCR) -- Determining the identity of DNA -- Chain termination method -- Restriction Fragment Length Polymorphism (RFLP) for variant genotyping -- Concept of parallelization and high throughput assays -- Microarray technology -- Array fabrication -- Labeling RNA -- Hybridization of cRNA -- Quantitation of hybridization -- Other applications of microarrays -- Next generation sequencing technology -- Introduction to next generation sequencing -- Unique challenges of next generation sequencing.

Applications of next generation sequencing technologies.

Sommario/riassunto

Animal genetics is a foundational discipline in the fields of animal science, animal breeding, and veterinary sciences. While genetics underpins the healthy development and breeding of all living organisms, this is especially true in domestic animals, specifically with respect to breeding for key traits. Molecular and Quantitative Animal Genetics is a new textbook that takes an innovative approach, looking at both quantitative and molecular breeding approaches. The book provides a comprehensive introduction to genetic principles and their applications in animal breeding. This text provides a useful overview for those new to the field of animal genetics and breeding, covering a diverse array of topics ranging from population and quantitative genetics to epigenetics and biotechnology. Molecular and Quantitative Animal Genetics will be an important and invaluable educational resource for undergraduate and graduate students and animal agriculture professionals. Divided into six sections pairing fundamental principles with useful applications, the book's comprehensive coverage will make it an ideal fit for students studying animal breeding and genetics at any level.
