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Titolo	Standards of mouse model phenotyping [[electronic resource] /] / edited by Martin Hrabede Angelis, Pierre Chambon, and Steve Brown
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, c2006
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Descrizione fisica	1 online resource (359 p.)
Altri autori (Persone)	Hrabe de AngelisMartin ChambonPierre BrownStephen D. M
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Soggetti	Mice as laboratory animals Mice - Genetics Transgenic mice Phenotype Electronic books.
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	Standards of Mouse Model Phenotyping; Foreword; Table of Contents; Preface; 1 Characterizing Hearing in Mice; 1.1 Introduction; 1.2 Behavioral Tests of Hearing; 1.3 Physiological Tests of Hearing; 1.4 Anatomy of the Ear; 1.5 Conclusions; Acknowledgements; 2 Molecular Phenotyping: Gene Expression Profiling; 2.1 Why this Screen? Medical and Biological Relevance; 2.2 Examples: Diseases of Mouse and Man; 2.3 Diagnostic Methods: History and State of the Art; 2.4 Technical Requirements for Screening Protocols (Short): First and Second Line Approaches; 2.5 Logistics (Whom, When, How Many, Why) 2.5.1 Choice of Platform2.5.2 Biological Samples; 2.6 Trouble Shooting; 2.6.1 Preparation of Hybridization Target; 2.6.2 Critical Issues of Chip Hybridization; 2.6.3 Image Processing and Array Design; 2.7 Short-term Outlook; 3 Screening for Bone and Cartilage Phenotypes in Mice; 3.1 Introduction; 3.1.1 The Skeleton; 3.1.2 Skeletal Development in the

Embryo; 3.1.3 Growth and Maintenance of Bone and Cartilage; 3.1.4 Diseases Involving Cartilage and Bone; 3.1.5 The Mouse as a Model for Skeletal Diseases; 3.2 Screening Protocols; 3.2.1 Morphological Analysis; 3.2.1.1 Protocol
3.2.2 X-Ray Analysis3.2.2.1 General; 3.2.2.2 Imaging; 3.2.2.3 X-Ray Analysis; 3.2.2.4 Protocol; 3.2.3 DXA-Analysis; 3.2.3.1 General; 3.2.3.2 Advantages; 3.2.3.3 Disadvantages; 3.2.3.4 Small Animal Applications; 3.2.3.5 Precision and Accuracy; 3.2.3.6 Considerations; 3.2.3.7 Protocol; 3.2.4 Biochemical Bone Markers; 3.2.4.1 Clinical Utility of Biochemical Markers of Bone Turnover in Small Animals; 3.2.4.2 Mouse Markers of Bone Turnover/Metabolism and Hormonal Regulation; 3.2.4.3 Variability/Sensitivity/Sample Choice; 3.2.4.4 Which Markers Should be Used During the Screen?
3.2.5 Advanced Small Animal Imaging Techniques3.2.5.1 pQCT; 3.2.5.2 CT; 3.2.5.3 MRI; 3.2.5.4 Whole-mount Skeletal Preparations; 3.2.5.5 Histomorphometry; 3.2.5.6 Miscellaneous; 3.2.5.7 Order of the Tests; 3.3 Conclusion; List of Abbreviations; Appendix; CT Volumetric Data Processing; MRI Principles; 4 Clinical Chemical Screen; 4.1 Introduction; 4.1.1 Relevance of the Screen; 4.1.2 Biology and Medical Application; 4.1.2.1 Biology of Clinical Chemical Parameters; 4.1.2.2 Medical Application; 4.2 Diseases in Mouse and Humans; 4.2.1 Diagnostic Impact of Clinical Chemistry
4.2.2 Clinical Chemistry in Selected Disorders4.2.2.1 Hypercholesterolemia; 4.2.2.2 Albuminuria; 4.2.2.3 Acute Myeloid Leukemia (AML); 4.3 Clinical Chemistry as Diagnostic Tool; 4.3.1 History; 4.3.2 State of the Art; 4.4 Technical Requirements and Screening Protocols; 4.4.1 Technical Requirements; 4.4.1.1 Blood Collection; 4.4.1.2 Sample Preparation; 4.4.1.3 Sample Analysis; 4.4.2 Screening Protocols; 4.4.2.1 Primary Screen; 4.4.2.2 Secondary Screen; 4.4.2.3 Tertiary Screen; 4.5 Logistics of the Screen; 4.5.1 General Considerations; 4.5.2 Lessons from ENU Mutants; 4.6 Trouble Shooting
4.6.1 Factors Interfering In Vivo

Sommario/riassunto

This is the first book in the field of mouse genetics to provide comprehensive and standardized methods for the characterization of laboratory mice. The editor is Director of the German Mouse Clinic and member of the Project Committee of the German National Genome Research Network and provides here a brief introduction to the mouse as a model for diseases and functional analysis of genes and proteins. Throughout, he focuses on the characterization of mouse models using the latest phenotyping methods, with the different areas presented in a clearly structured and easily accessible manner.

2. Record Nr.	UNINA9910796401503321
Autore	Antle Joshua Brook
Titolo	Collocations and action research : learning vocabulary through collocations // Joshua Brook Antle
Pubbl/distr/stampa	New York : , : Bloomsbury Academic, an imprint of Bloomsbury Publishing Plc, , [2018]
ISBN	1-350-04989-1 1-350-04988-3 1-350-04987-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (x, 269 pages) : illustrations
Disciplina	401.93
Soggetti	Collocation (Linguistics) - Research Language and languages - Word frequency - Research Lexicology Second language acquisition - Research - Methodology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Collocations, units of meaning and formulaic language -- Collocations and second language learning -- Methodology -- The first and second reflective cycles -- The third and fourth reflective cycles -- Discussion and conclusion.
Sommario/riassunto	"Collocations and Action Research is a thorough investigation of both the theory and practice behind improving second language learners' vocabulary and fluency through the teaching of multi-word units of language. Taking these collocations as its focus, this book provides a clear and in-depth description of the cognitive processing language learners go through when producing speech in relation to them. Using the findings of a two-year action research study into improving learners' spoken fluency, Joshua Brook Antle also explores the practical sides of collocations, explaining how the research study was constructed and conducted. Orientating the findings within the larger field of second language acquisition, especially within the L2 classroom, the practical applications of the findings are then presented through a series of pedagogical tasks all focusing on collocations and

productive fluency. Providing a template for how to conduct an action research study using both qualitative and quantitative research techniques, *Collocations and Action Research* will appeal to researchers interested in vocabulary and spoken fluency, as well as language instructors wanting to better understand the nature of vocabulary and spoken discourse."--Bloomsbury Publishing.
