

1. Record Nr.	UNINA9910583314503321
Autore	Bredy Timothy
Titolo	DNA modifications in the brain : neuroepigenetic regulation of gene expression / / Timothy Bredy
Pubbl/distr/stampa	Amsterdam, [Netherlands] : , : Academic Press, , 2017 ©2017
Descrizione fisica	1 online resource (182 pages) : illustrations, tables
Disciplina	574.87322
Soggetti	Gene expression
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.
Nota di contenuto	Preface -- History and modern view on DNA modifications in the brain / B.F. Vanyushin and V.V. Ashapkin -- Approaches to detecting DNA base modification in the brain / X. Li and W. Wei -- Active DNA demethylation in neurodevelopment / Y. Kang, Z. Wang and P. Jin -- TET and 5hmC in neurodevelopment and the adult brain / M. Fasolino, S.A. Welsh and Z. Zhou -- Beyond mCG : DNA methylation in noncanonical sequence context / E.A. Mukamel and R. Lister -- DNA modifications and memory / J.J. Day -- Measuring CpG methylation by SMRT sequencing / Y. Suzuki, J. Korlach and S. Morishita -- Epigenetic modifications of DNA and drug addiction / J. Feng and E.J. Nestler -- What does the future hold for the study of nucleic acid modifications in the brain? / P.R. Marshall and T.W. Bredy.
Sommario/riassunto	Begins with an historical overview of the early discoveries surrounding DNA methylation in the mammalian brain and then explores the evidence supporting a role for this epigenetic mechanism in controlling gene expression programs across the lifespan in both normal and diseased states. Chapters describe new directions and technological advances, and provide an overview of what the future holds for this exciting new field. This book is ideal for medical, graduate and advanced undergraduate students, but is also a great resource for researchers who need a broad introduction to the dynamic nature of DNA that sheds light on evolving concepts of gene-environment

interaction and their effects on adaptation and neuropsychiatric disease.--

2. Record Nr.	UNINA9910776296003321
Autore	Butler, John Marshall
Titolo	Advanced topics in forensic DNA typing : interpretation / Jhon M. Butler
Pubbl/distr/stampa	Amsterdam, Elsevier, ©2015
ISBN	9780124052130
Descrizione fisica	XX, 585 p. : ill.; 24 cm.
Disciplina	614.12
Locazione	SC1
Collocazione	614.12-BUT-1
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia