

1. Record Nr.	UNINA9910688416103321
Titolo	Malnutrition // edited by Muhammad Imran, Ali Imran
Pubbl/distr/stampa	London : , : IntechOpen, , 2020
Descrizione fisica	1 online resource (97 pages)
Disciplina	362.19639
Soggetti	Malnutrition
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9911020273503321
Autore	Hua-Van Aurélie
Titolo	Transposable Elements and Genome Evolution
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2024 ©2024
ISBN	9781394312467 1394312466 9781394312450 1394312458 9781394312443 139431244X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (305 pages)
Collana	ISTE Consignment Series
Altri autori (Persone)	CapyPierre
Soggetti	Transposons Genomes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Dedication Page -- Title Page -- Copyright Page -- Contents

-- Acknowledgments -- Introduction -- Chapter 1. Transposable Elements in Eukaryotes -- 1.1. Introduction -- 1.2. Classification, structure and transposition mechanism -- 1.2.1. Class I -- 1.2.2. Class II -- 1.2.3. Autonomous, non-autonomous and relics -- 1.3. Abundance, diversity and distribution -- 1.4. Origins of transposable elements and evolutionary relationships with other genetic elements -- 1.5. Genomic impact -- 1.5.1. Genome size -- 1.5.2. Genome structure -- 1.5.3. Genome function and evolution -- 1.6. References -- Chapter 2. Prokaryotic Transposable Elements -- 2.1. Introduction -- 2.1.1. Historical -- 2.1.2. Relationship between IS and transposons -- 2.1.3. The prokaryotic TE landscape -- 2.2. Transposases: the enzymes driving transposition -- 2.2.1. DDE enzymes -- 2.2.2. HUH enzymes -- 2.3. Insertion sequences -- 2.3.1. Overview

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## Sommario/riassunto

This book, 'Transposable Elements and Genome Evolution,' coordinated by Aurélie Hua-Van and Pierre Capy, explores the role of transposable elements (TEs) in the evolution of genomes across various organisms. It examines both eukaryotic and prokaryotic TEs, detailing their structures, mechanisms, and evolutionary impacts. The book also discusses the implications of TE movements in human diseases, including cancers and metabolic disorders, and their effects on gene expression and chromosomal rearrangements. Aimed at researchers and students in genetics, genomics, and evolutionary biology, it provides a comprehensive overview of the diversity and significance of TEs in genomic evolution.

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3. Record Nr.	UNINA9910962037103321
Titolo	Frontiers in agricultural research : food, health, environment, and communities // Committee on Opportunities in Agriculture, Board on Agriculture and Natural Resources, Division on Earth and Life Studies, National Research Council of the National Academies
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, c2003
ISBN	9786610183395 9780309168656 0309168651 9781280183393 128018339X 9780309500616 0309500613
Edizione	[1st ed.]
Descrizione fisica	1 online resource (267 p.)
Disciplina	630/.7/2073
Soggetti	Agriculture - Research - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Matter -- Preface -- Acknowledgments -- Contents -- Tables, Figures, and Boxes -- Executive Summary -- 1 Vision and Leadership -- 2 The US Department of Agriculture Research, Education, and Economics Mission Area -- 3 Research Frontiers -- 4 Setting the Research Strategy -- 5 Collaboration -- 6 Quality and Impact Assurance in the REE Agencies -- 7 REE Capacity -- 8 Coda -- APPENDIX A S.1150.1998. Agricultural Research, Extension, and Education Reform Act of 1998 -- APPENDIX B Subcommittee Statements of Task -- APPENDIX C A National Research Council Public Workshop -- APPENDIX D REE Administrator Interviews -- APPENDIX E Action-Agency Administrator Interviews -- APPENDIX F Agricultural-Research Funding -- APPENDIX G REE Dissemination And Outreach Efforts -- About the Authors -- About the Subcommittees.
Sommario/riassunto	This report is a congressionally mandated review of the US Department of Agriculture (TM)s Research, Education, and Economics (REE) mission

area, the main engine of publicly funded agricultural research in the United States. A changing social and scientific context of agriculture requires a new vision of agricultural research -- one that will support agriculture as a positive economic, social, and environmental force. REE is uniquely positioned to advance new research frontiers in environment, public health, and rural communities. The report recommends that REE be more anticipatory and strategic in its use of limited resources and guide and champion new directions in research.

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