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| Autore | Vallocchia, Franco |
| Titolo | 1: La struttura giuridica / Franco Vallocchia |
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| Titolo | Analysing gene expression [[electronic resource]] : a handbook of methods: possibilities and pitfalls // edited by Stefan Lorkowski and Paul Cullen |
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| ISBN | 1-280-52042-6
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| Descrizione fisica | 1 online resource (984 p.) |
| Altri autori (Persone) | LorkowskiStefan
CullenPaul, Dr. |
| Disciplina | 572.8/65
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| Soggetti | Gene expression |
| Lingua di pubblicazione | Inglese |
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| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Analysing Gene Expression A Handbook of Methods Possibilities and Pitfalls; Foreword; Preface; Contents; List of Contributors; Volume 1; 1 |

Basic concepts of gene expression; 1.1 Introduction; 1.2 Basics of transcription and translation in the cell; 1.2.1 Introduction; 1.2.2 Transcription; 1.2.3 Translation; 1.2.4 Summary; 1.3 Regulation of transcription; 1.3.1 Introduction; 1.3.2 mRNA expression profiles - the transcriptome; 1.3.3 Protein expression profiles - the proteome; 1.3.4 Interaction between genes and proteins - the interactome; 1.3.5 The transcription machinery and core promoters
1.3.6 Regulatory promoters
1.3.7 Enhancers; 1.3.8 Locus control regions; 1.3.9 Matrix attachment regions; 1.3.10 Insulators; 1.3.11 RIDGEs - Regions of increased gene expression; 1.3.12 Enhanceosomes; 1.3.13 Chromatin; 1.3.14 Silencer elements; 1.3.15 Transcription factors, repressors and co-repressors; 1.3.16 Epigenetics; 1.3.17 Summary and conclusions; 1.4 Post-transcriptional regulation; 1.4.1 Introduction; 1.4.2 Regulation of RNA stability and degradation; 1.4.3 Regulation of transcription elongation; 1.4.3.1 Introduction; 1.4.3.2 Regulation of transcription elongation in prokaryotes
1.4.3.3 Regulation of transcription elongation in eukaryotes
1.4.3.4 Conclusions; 1.4.4 Differential/alternative pre-mRNA splicing; 1.4.5 Trans-RNA splicing; 1.4.6 Regulation of mRNA transport; 1.4.7 Directed intracellular mRNA localisation; 1.4.8 Regulation of mRNA polyadenylation; 1.4.9 Antisense RNA; 1.4.10 RNA editing; 1.4.11 Summary and conclusions; 1.5 Post-translational modification of proteins; 1.5.1 Introduction; 1.5.2 Proteolytic cleavage of proteins; 1.5.3 Acylation; 1.5.4 Prenylation; 1.5.5 Methylation; 1.5.6 Sulphation; 1.5.7 Phosphorylation; 1.5.8 Ubiquitination
1.5.9 Glycosylation
1.5.10 Conclusions; 1.6 Correlation of mRNA and protein expression; 1.6.1 Introduction; 1.6.2 Levels of mRNA and protein expression: correlations and discrepancies; 1.6.3 Conclusions; 1.7 Housekeeping genes, internal and external standards; 1.7.1 What are housekeeping genes?; 1.7.2 Survey of the most important housekeeping genes; 1.7.2.1 Glyceraldehyde-3-phosphate dehydrogenase; 1.7.2.2 -Actin; 1.7.3 Other commonly used housekeeping genes; 1.7.3.1 Ribosomal RNA (rRNA); 1.7.4 New identified 'maintenance genes'; 1.7.5 Methods of quantification
1.7.5.1 Normalisation (via internal standards)
1.7.5.2 Standard curves (via external standards); 1.7.5.3 Alternative methods (via internal standards); 1.7.6 Summary; 1.8 Classification of differential gene expression technologies; 1.8.1 Introduction; 1.8.2 From single genes to transcriptomes; 1.8.3 Methods of classification; 1.8.4 Conclusions; 1.9 Summary; 1.10 References; 2 Sample preparation and supplementary tools; 2.1 Introduction; 2.2 Preparation of cells and tissues; 2.2.1 Immunopurification of cells; 2.2.2 Differential-velocity centrifugation/counter-current elutriation
2.2.3 Surface affinity chromatography

Sommario/riassunto

This book combines the experience of 225 experts on 900 pages. Scientists worldwide are currently overwhelmed by the ever-increasing number and diversity of genome projects. This handbook is your guide through the jungle of new methods and techniques available to analyse gene expression - the first to provide such a broad view of the measurement of mRNA and protein expression in vitro, in situ and even in vivo. Despite this broad approach, detail is sufficient for you to grasp the principles behind each method. In each case, the authors weigh up the advantages and disadvantages, paying parti

3. Record Nr.	UNINA9910810192903321
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ISBN	9781526132000 1-5261-3201-X 1-5261-5210-X 1-5261-3200-1
Descrizione fisica	1 online resource (300 pages)
Collana	Studies in early modern Irish history.
Disciplina	941.506
Soggetti	Land settlement - Ireland - History - 17th century Land tenure - Ireland - 17th century Ireland History 1625-1649
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Atlantic oligarchy : Ireland in the early English Atlantic world -- The Three Kingdoms -- The Adventure for Irish land -- Grocers' Hall -- Commonwealth -- Republic -- Restoration.
Sommario/riassunto	This book is about the transformation of England's trade and government finances in the mid-seventeenth century, a revolution that destroyed Ireland. In 1642 a small group of merchants, the 'Adventurers for Irish land', raised an army to conquer Ireland but sent it instead to fight for parliament in England. Meeting secretly at Grocers Hall in London from 1642 to 1660, they laid the foundations of England's empire and modern fiscal state. But a dispute over their Irish land entitlements led them to reject Cromwell's Protectorate and plot to restore the monarchy. This is the first book to chart the relentless rise of the Adventurers and their profound political influence. It is essential reading for students of Britain and Ireland in the mid-seventeenth century, the origins of England's empire and the Cromwellian land settlement.

