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Titolo	Selected topics in post-genome knowledge discovery [[electronic resource] /] / editor[s], Limsoon Wong, Louxin Zhang
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ISBN	1-281-93473-9 9786611934736 981-279-484-0
Descrizione fisica	1 online resource (176 p.)
Collana	Lecture notes series ; ; vol. 3
Altri autori (Persone)	WongLimsoon <1965-> ZhangLouxin
Disciplina	572.8 572.80285
Soggetti	Genetics - Mathematics Genetics 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.
Nota di contenuto	Contents ; Foreword ; Preface ; Dynamic Programming Strategies for Analyzing Biomolecular Sequences ; 1. Introduction ; 2. Elementary Dynamic-Programming Algorithms ; 2.1. Fibonacci numbers ; 2.2. The maximum-sum substring problem ; 2.3. Longest increasing subsequence ; 2.4. Longest common subsequence ; 3. Sequence Alignment ; 3.1. Global alignment ; 3.2. Local alignment ; 3.3. Affine gap penalties ; 3.4. Space-saving strategies ; 3.5. Multiple sequence alignment ; The Representation Comparison and Prediction of Protein Pathways ; 1. Introduction ; 2. Online Pathway Resources ; 3. Pathway Representation ; 3.1. Pathway Space ; 3.2. SLIPR Format ; 4. Pathway Comparison

; 4.1. Comparing Individual Components ;
 4.2. Aligning Two Pathways Using Dynamic Programming ;
 ; 4.3. Pathway Database Comparison ;
 4.4. One Implementation: PM_search Documentation ;
 5. Orthologous Pathway Prediction ; 6.
 Discussion ; 6.1. Theoretical Issues on Evolutionary Study
 of Pathways ; 6.2. Establishing
 a Relational Pathway Database and its Web Interfaces
 ; 6.3. Pathway Prediction and Beyond
 Gene Network Inference and Biopathway Modeling
 1. Introduction ; 2. Gene Network Inference from
 Microarray Data ; 2.1. Boolean
 Network Model ; 2.2. Bayesian Network Model
 ; 3. Modeling and Simulation ; 3.1. Architecture for
 Biopathway Modeling ; 3.2. How to
 Model Biopathways
 3.3. Genomic Object Net and Biopathway Databases Towards
 Simulation

Sommario/riassunto

The Institute for Mathematical Sciences at the National University of Singapore organized a program on "Post-Genome Knowledge Discovery" from January to June 2002. The program focused on the computational and statistical analysis of sequences and genetics, and the mathematical modeling of complex biological interactions, which are critical to the accurate annotation of genomic sequences, the study of the interplay between genes and proteins, and the study of the genetic variability of species. As part of the program, tutorials for graduate students and newcomers to this transdisciplinary area

2. Record Nr.	UNINA9910145580803321
Titolo	Governance, risk, and compliance handbook : technology, finance, environmental, and international guidance and best practices // edited by Anthony Tarantino
Pubbl/distr/stampa	Hoboken, N.J., : John Wiley & Sons, c2008
ISBN	9786611237394 9781118108505 1118108507 9781281237392 1281237396 9781118269213 1118269217 9780470909669 0470909668 9780470909683 0470909684 9780470245552 0470245557
Edizione	[1st edition]
Descrizione fisica	1 online resource (1123 p.)
Collana	Corporate Finance & Accounting Wiley global finance executive select
Altri autori (Persone)	TarantinoAnthony <1949->
Disciplina	658.15/1
Soggetti	Corporate governance Risk management Compliance auditing
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	GOVERNANCE, RISK, AND COMPLIANCE HANDBOOK: TECHNOLOGY, FINANCE, ENVIRONMENTAL, AND INTERNATIONAL GUIDANCE AND BEST PRACTICES; CONTENTS; PREFACE; ACKNOWLEDGMENTS; ABOUT THE CONTRIBUTORS; CHAPTER 1 INTRODUCTION; 1.1 ACT LOCALLY, IMPACT GLOBALLY; 1.2 GOVERNANCE; 1.3 RISK; 1.4 COMPLIANCE AND

INTERNAL CONTROLS; 1.5 GRC AND GLOBALIZATION; 1.6 GROWTH OF GLOBAL TRADE; 1.7 SIMPLE SUGGESTIONS TO IMPROVE GOVERNANCE, RISK MANAGEMENT, AND COMPLIANCE (GRC); 1.8 WHY READ THIS BOOK: THE CASE FOR GOOD GRC; 1.9 ORGANIZATION OF THE HANDBOOK; PART 1 CORPORATE GOVERNANCE CHAPTER 2 A RISK-BASED APPROACH TO ASSESS INTERNAL CONTROL OVER FINANCIAL REPORTING (ICFR)2.1 A RISK-BASED APPROACH TO ASSESSING ICFR; 2.2 DETERMINE KEY STAKEHOLDERS; 2.3 ESTABLISH THE RISK MANAGEMENT CONTEXT; 2.4 RISK RATING AND RISK IDENTIFICATION; 2.5 ANALYZE AND EVALUATE RISKS; 2.6 TREAT/MITIGATE RISKS; 2.7 IDENTIFY, ASSESS, AND REPORT ON RESIDUAL RISK STATUS; 2.8 CONCLUDING REMARKS; CHAPTER 3 COSO- IS IT FIT FOR PURPOSE?; 3.1 THE ROOTS OF COSO; 3.2 COSO THE COMMITTEE AND COSO THE 1992 INTEGRATED CONTROL FRAMEWORK: HAVE THEY STOOD THE TEST OF TIME? 3.3 ACTUAL MARKET ACCEPTANCE OF THE COSO 1992 FRAMEWORK PRIOR TO SOX3.4 EXPECTATIONS OF COSO ESCALATE OVERNIGHT; 3.5 IS COSO 1992 FREE FROM BIAS?; 3.6 DOES COSO 1992 PERMIT CONSISTENT QUANTITATIVE/QUALITATIVE MEASUREMENT?; 3.7 IS COSO 1992 SUFFICIENTLY COMPLETE SO THAT RELEVANT FACTORS ARE NOT OMITTED?; 3.8 IS COSO 1992 RELEVANT TO AN ANALYSIS OF CONTROLS OVER FINANCIAL REPORTING?; 3.9 COSO: LOOKING FORWARD; CHAPTER 4 TIME TO RETHINK THE CORPORATE TAX; 4.1 Q& A WITH MIHIR DESAI; 4.2 ABOUT FACULTY IN THIS ARTICLE; CHAPTER 5 THE ROLE OF INTERNAL AUDIT; 5.1 INTRODUCTION 5.2 INTERNAL AUDITORS' ROLE THROUGHOUT HISTORY5.3 THE ROLE TRANSFORMED; 5.4 BEYOND ASSURANCE: ADVISORY SERVICES; 5.5 ACHIEVING THE GREATEST IMPACT; 5.6 THE BRIGHT OUTLOOK OF INTERNAL AUDITING; CHAPTER 6 OUTSOURCED PROCESSES: RISK AND RESOLUTION; 6.1 A MATTER OF RISK; 6.2 A MATTER OF RESPONSIBILITY; 6.3 OUTSOURCED RISK MANAGEMENT; 6.4 SAS 70 CRITICISMS; 6.5 SAS 70 ALTERNATIVES; 6.6 SUMMARY; CHAPTER 7 THE LAST MILE OF FINANCE; 7.1 THE LAST MILE OF FINANCE; 7.2 REGAINING CONTROL; 7.3 WHERE EVERYTHING COMES TOGETHER; 7.4 THE PATH TO AN OPTIMUM CLOSE; 7.5 A RETURN TO GOOD FINANCE CHAPTER 8 U. S. STOCK OPTION BACKDATING SCANDALS8.1 INTRODUCTION; 8.2 THE PROS AND CONS OF STOCK OPTIONS; 8.3 THE AMERICAN SCANDALS; 8.4 WHY STOCK OPTIONS SHOULD BE AVOIDED; 8.5 SUGGESTIONS IN MANAGING OPTIONS FOR THOSE WHO MUST RETAIN THEM; 8.6 HOW THE UNITED STATES GOT INTO SUCH A MESS; CHAPTER 9 FRAUD AND CORRUPTION; 9.1 WHAT ARE FRAUD AND CORRUPTION? HISTORICAL BACKGROUND FROM ETHICS; 9.2 CONSEQUENCES OF FRAUD AND CORRUPTION FOR AN INDIVIDUAL, BUSINESS, AND COMMUNITY; 9.3 PRINCIPAL-AGENT PROBLEM WITH PRACTICES AND PROCEDURES FOR MANAGING FRAUD AND CORRUPTION 9.4 BEST PRACTICE GUIDELINES FOR DETECTION METHODS, INCLUDING CHECKING OF BACKGROUND AND REFERENCES

Sommario/riassunto

Providing a comprehensive framework for a sustainable governance model, and how to leverage it in competing global markets, Governance, Risk, and Compliance Handbook presents a readable overview to the political, regulatory, technical, process, and people considerations in complying with an ever more demanding regulatory environment and achievement of good corporate governance. Offering an international overview, this book features contributions from sixty-four industry experts from fifteen countries.
