1. Record Nr. UNINA9910455277003321

Autore	Correia Clara Pinto
Titolo	The ovary of Eve [[electronic resource]] : egg and sperm and preformation / / Clara Pinto-Correia
Pubbl/distr/stampa	Chicago, : University of Chicago Press, c1997
ISBN	9786611223915 1-281-22391-3 0-226-66950-5
Descrizione fisica	1 online resource (424 p.)
Classificazione	XB 3400
Disciplina	509.4/09/032
Soggetti	Embryology - History Reproduction - Research - History Science - Europe - History - 17th century Science - Europe - History - 18th century 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 (p. 361-376) and index.
Nota di contenuto	Front matter -- CONTENTS -- ILLUSTRATI0NS -- FOREWORD -- PREFACE -- PROLOGUE -- 1. All About Eve -- 2. All About A dam -- 3. "One Does Not See the Wind" -- 4. Hopeful Monsters -- 5. Frogs with Boxer Shorts -- 6. The H Word -- 7. The Music of the Spheres -- 8. Magical Numbers -- Epilogue. The Fat Lady Will Not Sing -- Notes -- Bibliography -- Index
Sommario/riassunto	The Ovary of Eve is a rich and often hilarious account of seventeenth- and eighteenth-century efforts to understand conception. In these early years of the Scientific Revolution, the most intelligent men and women of the day struggled to come to terms with the origins of new life, and one theory-preformation-sparked an intensely heated debate that continued for over a hundred years. Clara Pinto-Correia traces the history of this much maligned theory through the cultural capitals of Europe. "The most wonderfully eye-opening, or imagination-opening book, as amusing as it is instructive."-Mary Warnock, London Observer "[A] fascinating and often humorous study of a reproductive theory that flourished from the mid-17th century to the mid-18th century."-Nina

	C. Ayoub, Chronicle of Higher Education "More than just a good story, The Ovary of Eve is an object lesson about the history of science: Don't trust it. . . . Pinto-Correia says she wants to tell the story of history's losers. In doing so, she makes defeat sound more appealing than victory."-Emily Eakin, Nation. "A sparkling history of preformation as it once affected every facet of European culture."-Robert Taylor, Boston Globe

2. Record Nr. UNINA9911018793403321

Titolo	Computational intelligence in bioinformatics / / edited by Gary B. Fogel, David W. Corne, Yi Pan
Pubbl/distr/stampa	New York, : Wiley-IEEE, c2008
ISBN	9786611221690 9780470652152 0470652152 9781281221698 1281221694 9780470199091 0470199091 9780470199084 0470199083
Descrizione fisica	1 online resource (377 p.)
Collana	IEEE Press series on computational intelligence
Altri autori (Persone)	CorneDavid FogelGary <1968-> PanYi <1960->
Disciplina	572.028563 572.80285
Soggetti	Bioinformatics Computational intelligence
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	Preface -- Contributors -- Part One Gene Expression Analysis and

Systems Biology -- 1. Hybrid of Neural Classifi er and Swarm Intelligence in Multiclass Cancer Diagnosis with Gene Expression Signatures (Rui Xu, Georgios C. Anagnostopoulos, and Donald C. Wunsch II) -- 1.1 Introduction -- 1.2 Methods and Systems -- 1.3 Experimental Results -- 1.4 Conclusions -- 2. Classifying Gene Expression Profi les with Evolutionary Computation (Jin-Hyuk Hong and Sung-Bae Cho) -- 2.1 DNA Microarray Data Classifi cation -- 2.2 Evolutionary Approach to the Problem -- 2.3 Gene Selection with Speciated Genetic Algorithm -- 2.4 Cancer Classifi ction Based on Ensemble Genetic Programming -- 2.5 Conclusion -- 3. Finding Clusters in Gene Expression Data Using EvoCluster (Patrick C. H. Ma, Keith C. C. Chan, and Xin Yao) -- 3.1 Introduction -- 3.2 Related Work -- 3.3 Evolutionary Clustering Algorithm -- 3.4 Experimental Results -- 3.5 Conclusions -- 4. Gene Networks and Evolutionary Computation (Jennifer Hallinan) -- 4.1 Introduction -- 4.2 Evolutionary Optimization -- 4.3 Computational Network Modeling -- 4.4 Extending Reach of Gene Networks -- 4.5 Network Topology Analysis -- 4.6 Summary -- Part Two Sequence Analysis and Feature Detection -- 5. Fuzzy-Granular Methods for Identifying Marker Genes from Microarray Expression Data (Yuanchen He, Yuchun Tang, Yan-Qing Zhang, and Rajshekhar Sunderraman) -- 5.1 Introduction -- 5.2 Traditional Algorithms for Gene Selection -- 5.3 New Fuzzy-Granular-Based Algorithm for Gene Selection -- 5.4 Simulation -- 5.5 Conclusions -- 6. Evolutionary Feature Selection for Bioinformatics (Laetitia Jourdan, Clarisse Dhaenens, and El-Ghazali Talbi) -- 6.1 Introduction -- 6.2 Evolutionary Algorithms for Feature Selection -- 6.3 Feature Selection for Clustering in Bioinformatics -- 6.4 Feature Selection for Classifi cation in Bioinformatics -- 6.5 Frameworks and Data Sets -- 6.6 Conclusion -- 7. Fuzzy Approaches for the Analysis CpG Island Methylation Patterns (Ozy Sjahputera, Mihail Popescu, James M. Keller, and Charles W. Caldwell).
7.1 Introduction -- 7.2 Methods -- 7.3 Biological Signifi cance -- 7.4 Conclusions -- Part Three Molecular Structure and Phylogenetics -- 8. Protein-Ligand Docking with Evolutionary Algorithms(Rene Thomsen) -- 8.1 Introduction -- 8.2 Biochemical Background -- 8.3 The Docking Problem -- 8.4 Protein-Ligand Docking Algorithms -- 8.5 Evolutionary Algorithms -- 8.6 Effect of Variation Operators -- 8.7 Differential Evolution -- 8.8 Evaluating Docking Methods -- 8.9 Comparison between Docking Methods -- 8.10 Summary -- 8.11 Future Research Topics -- 9. RNA Secondary Structure Prediction Employing Evolutionary Algorithms (Kay C. Wiese, Alain A. Deschanes, and Andrew G. Hendriks) -- 9.1 Introduction -- 9.2 Thermodynamic Models -- 9.3 Methods -- 9.4 Results -- 9.5 Conclusion -- 10. Machine Learning Approach for Prediction of Human Mitochondrial Proteins (Zhong Huang, Xuheng Xu, and Xiaohua Hu) -- 10.1 Introduction -- 10.2 Methods and Systems -- 10.3 Results and Discussion -- 10.4 Conclusions -- 11. Phylogenetic Inference Using Evolutionary Algorithms(Clare Bates Congdon) -- 11.1 Introduction -- 11.2 Background in Phylogenetics -- 11.3 Challenges and Opportunities for Evolutionary Computation -- 11.4 One Contribution of Evolutionary Computation: Graphyl -- 11.5 Some Other Contributions of Evolutionary computation -- 11.6 Open Questions and Opportunities -- Part Four Medicine -- 12. Evolutionary Algorithms for Cancer Chemotherapy Optimization (John McCall, Andrei Petrovski, and Siddhartha Shakya) -- 12.1 Introduction -- 12.2 Nature of Cancer -- 12.3 Nature of Chemotherapy -- 12.4 Models of Tumor Growth and Response -- 12.5 Constraints on Chemotherapy -- 12.6 Optimal Control Formulations of Cancer Chemotherapy -- 12.7 Evolutionary

Algorithms for Cancer Chemotherapy Optimization -- 12.8 Encoding and Evaluation -- 12.9 Applications of EAs to Chemotherapy Optimization Problems -- 12.10 Related Work -- 12.11 Oncology Workbench -- 12.12 Conclusion -- 13. Fuzzy Ontology-Based Text Mining System for Knowledge Acquisition, Ontology Enhancement, and Query Answering from Biomedical Texts (Lipika Dey and Muhammad Abulaish).
13.1 Introduction -- 13.2 Brief Introduction to Ontologies -- 13.3 Information Retrieval form Biological Text Documents: Related Work -- 13.4 Ontology-Based IE and Knowledge Enhancement System -- 13.5 Document Processor -- 13.6 Biological Relation Extractor -- 13.7 Relation-Based Query Answering -- 13.8 Evaluation of the Biological Relation Extraction Process -- 13.9 Biological Relation Characterizer -- 13.10 Determining Strengths of Generic Biological Relations -- 13.11 Enhancing GENIA to Fuzzy Relational Ontology -- 13.12 Conclusions and Future Work -- References -- Appendix Feasible Biological Relations -- Index.

Sommario/riassunto

Combining biology, computer science, mathematics, and statistics, the field of bioinformatics has become a hot new discipline with profound impacts on all aspects of biology and industrial application. Now, Computational Intelligence in Bioinformatics offers an introduction to the topic, covering the most relevant and popular CI methods, while also encouraging the implementation of these methods to readers' research.

3. Record Nr. UNINA9911026140803321

Autore	Ryan Mark A
Titolo	The Clean Water Act Handbook, Fourth Edition
Pubbl/distr/stampa	La Vergne : , : American Bar Association, , 2020 ©2020
ISBN	9781634258593
Edizione	[1st ed.]
Descrizione fisica	1 online resource (538 pages)
Disciplina	344.7304/6343
Soggetti	Water quality management - Law and legislation Environmental law - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Title Page -- Copyright -- Contents -- About the Editor -- About the Contributors -- Preface -- Acknowledgments -- Chapter One: Overview of the Clean Water Act -- Historical Background -- Point Source and Dredge/Fill Permits -- Technology-Based and Water Quality–Based Effluent Limitations -- Spill of Hazardous Substances, Stormwater, and Nonpoint Sources -- Enforcement and Judicial Review -- What Lies Ahead -- Chapter Two: Scope of “The Waters of the United States” Protected by the Clean Water Act -- Introduction -- Congressional and Regulatory Interpretations -- Judicial Interpretations -- Riverside and Adjacent Wetlands -- SWANCC and Isolated Waters -- Rapanos and Non-navigable Tributaries and Their Adjacent Wetlands -- Post-Rapanos Judicial Interpretations -- EPA and Corps Guidance -- Agency Practice -- Clean Water Rule -- Recent Administration Efforts to Revise the Definition of “Waters of the United States” -- Potential Future Directions -- Chapter Three: Water Pollution Control under the National Pollutant Discharge Elimination System -- Applicability and Scope
Sommario/riassunto	The definitive practical resource to the provisions and complexities of the federal Clean Water Act and how it continues to evolve, this book is written by some of the country's most knowledgeable experts on the CWA. Now in its fourth edition, it continues to offer an authoritative, balanced explanation of this complex statute and its implementing

regulations and guidelines.