

1. Record Nr.	UNINA9910144096903321
Autore	Flower Darren R
Titolo	Bioinformatics for vaccinology [[electronic resource] /] / Darren R. Flower
Pubbl/distr/stampa	Chichester, West Sussex, England ; ; Hoboken, NJ, : John Wiley & Sons, 2008
ISBN	1-281-93944-7 9786611939441 0-470-69983-3 0-470-69982-5
Edizione	[1st edition]
Descrizione fisica	1 online resource (314 p.)
Disciplina	572 615/.3720285
Soggetti	Immunoinformatics Vaccines - Design - Data processing
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	Bioinformatics for Vaccinology; Contents; Preface; Acknowledgements; Exordium; 1 Vaccines: Their place in history; Smallpox in history; Variolation; Variolation in history; Variolation comes to Britain; Lady Mary Wortley Montagu; Variolation and the Sublime Porte; The royal experiment; The boston connection; Variolation takes hold; The Suttonian method; Variolation in Europe; The coming of vaccination; Edward Jenner; Cowpox; Vaccination vindicated; Louis Pasteur; Vaccination becomes a science; Meister, Pasteur and rabies; A vaccine for every disease; In the time of cholera Haffkine and choleraBubonic plague; The changing face of disease; Almroth wright and typhoid; Tuberculosis, Koch, and Calmette; Vaccine BCG; Poliomyelitis; Salk and Sabin; Diphtheria; Whooping cough; Many diseases, many vaccines; Smallpox: Endgame; Further reading; 2 Vaccines: Need and opportunity; Eradication and reservoirs; The ongoing burden of disease; Lifespans; The evolving nature of disease; Economics, climate and disease; Three threats; Tuberculosis in the 21 st century; HIV and AIDS; Malaria: Then and now; Influenza;

Bioterrorism; Vaccines as medicines

Vaccines and the pharmaceutical industry
Making vaccines; The coming of the vaccine industry; 3 Vaccines: How they work; Challenging the immune system; The threat from bacteria: Robust, diverse, and endemic; Microbes, diversity and metagenomics; The intrinsic complexity of the bacterial threat; Microbes and humankind; The nature of vaccines; Types of vaccine; Carbohydrate vaccines; Epitopic vaccines; Vaccine delivery; Emerging immunovaccinology; The immune system; Innate immunity; Adaptive immunity; The microbiome and mucosal immunity; Cellular components of immunity; Cellular immunity

The T cell repertoire
Epitopes: The immunological quantum; The major histocompatibility complex; MHC nomenclature; Peptide binding by the MHC; The structure of the MHC; Antigen presentation; The proteasome; Transporter associated with antigen processing; Class II processing; Seek simplicity and then distrust it; Cross presentation; T cell receptor; T cell activation; Immunological synapse; Signal 1, signal 2, immunodominance; Humoral immunity; Further reading; 4 Vaccines: Data and databases; Making sense of data; Knowledge in a box; The science of -omes and -omics; The proteome

Systems biology
The immunome; Databases and databanks; The relational database; The XML database; The protein universe; Much data, many databases; What proteins do; What proteins are; The amino acid world; The chiral nature of amino acids; Naming the amino acids; The amino acid alphabet; Defining amino acid properties; Size, charge and hydrogen bonding; Hydrophobicity, lipophilicity and partitioning; Understanding partitioning; Charges, ionization, and pKa; Many kinds of property; Mapping the world of sequences; Biological sequence databases; Nucleic acid sequence databases

Protein sequence databases

Sommario/riassunto

"... this book was written from start to finish by one extremely dedicated and erudite individual. The author has done an excellent job of covering the many topics that fall under the umbrella of computational biology for vaccine design, demonstrating an admirable command of subject matter in fields as disparate as object-oriented databases and regulation of T cell response. Simply put, it has just the right breadth and depth, and it reads well. In fact, readability is one of its virtues-making the book enticing and useful, all at once..." Human Vaccines, 2010 ""... This book has sever

2. Record Nr.	UNISA996466607903316
Autore	Jacobsen Lisa
Titolo	Analytic theory of continued fractions III : proceedings of a seminar-workshop, held in Redstone, USA, June 26 - July 5, 1988 / / Lisa Jacobsen
Pubbl/distr/stampa	Berlin : , : Springer, , [1989] ©1989
ISBN	3-540-46820-X
Edizione	[1st ed. 1989.]
Descrizione fisica	1 online resource (VIII, 148 p.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 1406
Altri autori (Persone)	JacobsenLisa
Disciplina	515.243
Soggetti	Continued fractions Global analysis (Mathematics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	?- Fraction solutions to riccati equations -- Irrational continued fractions -- Julius worpitzky, his contributions to the analytic theory of continued fractions and his times -- Positive T-fraction expansions for a family of special functions -- On continued fractions associated with polynomial type pade approximants, with an application -- Multipoint Pade approximants and related continued fractions -- A survey of some results on separate convergence of continued fractions -- Some remarks on nearness problems for continued fraction expansions -- Continued fraction identities derived from the invariance of the crossratio under l.f.t. -- Boundary versions of Worpitzky's Theorem and of parabola theorems.

3. Record Nr.	UNIORUON00072139
Autore	IDIENS, Dale
Titolo	Textiles of Africa / Edited by Dale Idiens and K.G. Ponting
Pubbl/distr/stampa	Bath, : The Pasold Research Fund, 1980
ISBN	09-03-85908-4
Descrizione fisica	210 p. : ill. ; 25 cm
Altri autori (Persone)	PONTING, K.G.
Disciplina	746
Soggetti	TESSUTI AFRICANI ABBIGLIAMENTO - Africa
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia