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Altri autori (Persone)	BockGregory GoodeJamie
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Nota di contenuto	IMMUNOINFORMATICS: BIOINFORMATIC STRATEGIES FOR BETTER UNDERSTANDING OF IMMUNE FUNCTION; Contents; Participants; Chair's introduction; Immunoinformatics - the new kid in town; Discussion; The future for computational modelling and prediction systems in clinical immunology; Discussion; Immunoinformatics in personalized medicine; Discussion; From immunome to vaccine: epitope mapping and vaccine design tools; Discussion; Insights from MHC-bound peptides; Discussion; General discussion I; Computational vaccinology: quantitative approaches; Discussion IMGT, the international ImMunoGeneTics information system(®), <a href="http://imgt.cines.fr">http://imgt.cines.fr</a> Discussion; Generating data for databases - the peptide repertoire of HLA molecules; Discussion; HLA nomenclature and the IMGT/HLA Sequence Database; Discussion; From immunogenetics to immunomics: functional prospecting of genes and transcripts; Discussion; Mathematical models of HIV and the immune system; Discussion; General discussion II; Immunogenomics: towards a digital immune system; Discussion; Viral bioinformatics: computational views of host and pathogen; Discussion; Final general discussion

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Sommario/riassunto

The astounding diversity of the immune system and the complexity of its regulatory pathways makes immunology a combinatorial science. Computational analysis has therefore become an essential element of immunology research and this has led to the creation of the emerging field of immunoinformatics. This book is the first to feature thorough coverage of this new field. Immunoinformatics facilitates the understanding of immune function by modelling the interactions among immunological components. Biological research provides ever deeper insights into the complexity of living organisms while com

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