1. Record Nr. UNISA996394713003316

Autore	Hopkins Charles <1664?-1700?>
Titolo	Boadicea, Queen of Britain [[electronic resource]] : a tragedy, as it is acted by His Majesty's servants at the Theatre in Lincolns-Inn-Fields / / written by Mr. Charles Hopkins
Pubbl/distr/stampa	London, : Printed for Jacob Tonson ..., 1697
Descrizione fisica	[8], 56 p
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Reproduction of original in University of Michigan Libraries. Bound with H2726 and H2723. All items have special t.p. and seperate pagination.
Sommario/riassunto	eebo-0171

2.

Record Nr.	UNINA9910137217103321
Autore	Ananda L Roy
Titolo	Chromatin & transcriptional tango on the immune dance floor [[electronic resource] /] / topic editor: Ananda L. Roy
Pubbl/distr/stampa	Frontiers Media SA, 2015 [Lausanne, Switzerland], : Frontiers Media SA, , [2015] ©2015
Descrizione fisica	1 online resource (144 pages) : illustrations; digital, PDF file(s)
Collana	Frontiers research topics.
Soggetti	Immunology Cytology Biology Health & Biological Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	The process of generating differentiated cell types performing specific effector functions from their respective undifferentiated precursors is dictated by extracellular signals and the recipient cell's ability to transmit those signals to effect changes in cellular functions. One major mechanism for bringing about such changes is at the level of transcription. Thus, inducing transcription of previously silent genes and suppressing active genes in response to the extracellular signal can result in acquiring new functions by the cells. The transcriptional machinery, comprising of RNA Polymerase II and associated general transcription factors, assemble at the core promoter of eukaryotic protein coding genes. The rate and/or stability of formation of this machinery dictate the transcriptional regulation of the corresponding gene, which can be at the level of chromatin regulation as well as enhancer-promoter communication. Such coordinated temporal and spatial regulation of gene expression in response to specific signals determines lineage differentiation, cellular proliferation and development. Every event in the life cycle of a lymphocyte is modulated

by the signals they receive. For instance, expression of the B cell antigen receptor (BCR) on the surface of B cells is a hallmark of various stages of B cell development--signaling via the BCR is important both during early/antigen independent (tonic) and late/antigen dependent phases of development. Despite the established requirement for BCR signaling during various phases of B cell maturation, how BCR signaling connects to chromatin changes and downstream transcriptional pathways in each step of development remains poorly understood. Similar questions also remain in other cells of the immune system. Moreover, how the enhancers communicate to the promoters in a stage specific fashion and in the context of chromatin also remain unclear. Chromatin modifiers are generally present and active in most cell types. How could then there be differences in chromatin architecture dependent on a particular stage of development? The B (and T) lymphocytes also perform a unique developmental program because they have an unparalleled genetic makeup—the genetic loci that encode their cell surface receptors are in an ‘unrearranged” or “germline” configuration during the early stages of development. Thus, they not only express stage specific genes and transcription factors during each developmental stage, they need to undergo rearrangement of their cognate receptor loci in a strictly ordered fashion to generate a pool of receptor proteins, each capable of recognizing a specific antigen, which they encounter at a much later step. Hence, there must be a strict negotiation between the recombination machinery and the transcriptional machinery at every developmental step of the way. Importantly, along the way, the B cells expressing receptors capable of recognizing self-antigens must be eliminated to avoid autoimmune responses and only those cells capable of recognizing foreign-antigens are preserved to reach peripheral organs where they eventually meet pathogens. How are these processes coordinately regulated in a stage specific fashion and what role does chromatin play? Are the rules of engagement different in innate versus adaptive immune responses? Here we seek to address some of these questions and provide our current understanding of signal-induced chromatin and transcriptional regulation of the immune system.

3. Record Nr. UNINA9910831012803321

Titolo	Smart Cities : 6th Ibero-American Congress, ICSC-Cities 2023, Mexico City and Cuernavaca, Mexico, November 13–17, 2023, Revised Selected Papers / / edited by Sergio Nesmachnow, Luis Hernández Callejo
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-52517-5
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (301 pages)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 1938
Disciplina	307.760285
Soggetti	Computer engineering Computer networks Artificial intelligence Software engineering Computer systems Computer Engineering and Networks Computer Communication Networks Artificial Intelligence Software Engineering Computer System Implementation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Urban informatics for smart cities -- Methodology to obtain traffic data and road incidents through maps applications -- Detection of suboptimal conditions in photovoltaic systems integrating data from several domains -- Characterization of household electricity consumption in Uruguay -- Visual Analytic of Traffic Simulation Data: A review -- Optimization, smart industry, and smart public services -- Harnessing Computer Science to Drive Sustainable Supply Chains Facing Resilience Organizational Complexity -- Optimizing the Rework Area in an Automotive Parts Supplier Company: A Foundation for Smart Industry Transformation -- An allocation-routing problem in waste management planning: exact and heuristic resolution approaches -- Simulated Annealing metaheuristic approach for municipal solid waste

collecting route problem in the Historical Center of a Mexican city -- Smart industry strategies for shop-floor production planning problemsto support mass customization -- Internet of things -- Aquality: A Scalable IoT-enabled Drinking Water Quality Monitoring System -- Enhancing Solar Cell Classification using Mamdani Fuzzy Logic over Electroluminescence Images: A Comparative Analysis with Machine Learning Methods -- Estimation of the performance of Photovoltaic Cells by means of an Adaptative Neural Fuzzy Inference model -- Framework for Upscaling Missing Data in Electricity Consumption Datasets Using Generative Adversarial Networks -- Detection of personal protection elements in a recycling plant using convolutional neural networks -- A new sentiment Analysis methodology for analyzing football game matches utilizing social networks and Artificial Intelligence -- Intelligent urban cycling assistance based on simplified machine learning -- Linear Predictive Coding vs. Kalman Filter for Urban Finance Prediction in Smart Cities with S&P/BMV IPC -- Innovative informatic approaches for smart cities -- 3D printing as an enabler of innovation in universities. Tellus UPM Ecosystem Case -- Innovative Compression plus Confusion Scheme for Digital Images used in Smart Cities.

Sommario/riassunto

This book constitutes the revised selected papers of the 6th Ibero-American Congress on Smart Cities, ICSC-Cities 2023, held in Mexico City and Cuernavaca, Mexico, during November 13–17, 2023. The 19 full papers included in this book were carefully reviewed and selected from 94 submissions. They were organized in topical sections as follows: Urban Informatics for Smart Cities; Optimization, Smart Industry, and Smart Public Services; Internet of Things; Computational Intelligence and Urban Informatics for Smart Cities and Innovative Informatic Approaches for Smart Cities.