1. Record Nr.                UNISA996418287603316

   Titolo                    Computational Advances in Bio and Medical Sciences [[electronic
                             resource] ] : 9th International Conference, ICCABS 2019, Miami, FL,
                             USA, November 15–17, 2019, Revised Selected Papers / / edited by Ion
                             Mndoiu, T. M. Murali, Giri Narasimhan, Sanguthevar Rajasekaran, Pavel
                             Skums, Alexander Zelikovsky

   Pubbl/distr/stampa        Cham : , : Springer International Publishing : , : Imprint : Springer, ,
                             2020

   ISBN                      3-030-46165-3

   Edizione                  [1st ed. 2020.]

   Descrizione fisica        1 online resource (210 pages)

   Collana                   Lecture Notes in Bioinformatics ; ; 12029

   Disciplina                572.80285

   Soggetti                  Application software
                             Computer communication systems
                             Machine learning
                             Software engineering
                             Optical data processing
                             Computer Applications
                             Computer Communication Networks
                             Machine Learning
                             Software Engineering/Programming and Operating Systems
                             Image Processing and Computer Vision

   Lingua di pubblicazione   Inglese

   Formato                   Materiale a stampa

   Livello bibliografico     Monografia

   Nota di contenuto         Detecting de novo Plasmodesmata targeting signals and identifying PD
                             targeting proteins -- The Agility of a Neuron: Phase Shift between
                             Sinusoidal Current Input and Firing Rate Curve -- Efficient Sequential
                             and Parallel Algorithms for Incremental Record Linkage -- Autoencoder
                             Based Methods for Diagnosis of Autism Spectrum Disorder --
                             FastFeatGen: Faster parallel feature extraction from genome sequences
                             and efficient prediction of DNA $Nˆ6$-methyladenine sites --
                             Optimized multiple fluorescence based detection in a single molecule
                             synthesis process under high noise level environment -- Deep learning
                             of CTCF-mediated chromatin loops in 3D genome organization --

Effects of Various Alpha-1 Antitrypsin Supplement Dosages on the Lung Microbiome and Metabolome -- A Multi-Hypothesis Learning Algorithm for Human and Mouse miRNA Target Prediction -- RiboSimR: a tool for simulation and power analysis of Ribo-seq experiments -- Treatment Practice Analysis of Intermediate or High Risk Localized Prostate Cancer: A Multi-Center Study with Veterans Health Administration Data -- Parametric Prediction Model for Annual Growth of Electron Microscopy Data -- locStra: Fast analysis of local/global stratification in whole genome sequencing (WGS) studies -- A new graph database system for multi-omics data integration and mining complex biological information -- SMART2: Multi-Library Statistical Mitogenome Assembly with Repeats.

| | |
|---|---|
| Sommario/riassunto | This book constitutes revised selected papers from the 9th International Conference on Computational Advances in Bio and Medical Sciences, ICCABS 2019, held in Miami, Florida, USA in November 2019. The 15 papers presented in this volume were carefully reviewed and selected from 30 submissions. They deal with topics such as computational biology; biomedical image analysis; biological networks; cancer genomics; gene enrichment analysis; functional genomics; interaction networks; protein structure prediction; dynamic programming; and microbiome analysis. |