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Nota di contenuto	Intro -- Preface -- Organization -- Contents -- Computational Advances in Bio and Medical Sciences -- DNA Read Feature Importance Using Machine Learning for Read Alignment Categories -- 1 Introduction -- 2 Related Work and Motivation -- 3 Methods -- 3.1 Data Acquisition and Read Mapping -- 3.2 Feature and Class Extraction -- 3.3 Machine Learning Methods -- 4 Results -- 4.1 Model Accuracy -- 4.2 Feature Importance -- 4.3 Feature Ranking Similarity Across Different Data -- 4.4 Machine Learning Filter Proof-of-Concept -- 5 Conclusions -- References -- MetaProb 2: Improving Unsupervised Metagenomic Binning with Efficient Reads Assembly Using Minimizers -- 1 Introduction -- 2 Method -- 2.1 Phase 1: Unitig Construction -- 2.2 Phase 2: Community Detection -- 2.3 Phase 3: Species Identification -- 3 Results and Discussion -- 3.1 Datasets Description and Performance Evaluation Metrics -- 3.2 Results -- 4 Conclusions and Future Work -- References -- Computational Study of Action Potential Generation in Urethral Smooth Muscle Cell -- 1 Introduction -- 2 Methods -- 3 Results -- 4 Discussion -- References -- Metabolic Pathway Prediction using Non-negative Matrix Factorization with

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