



## 8th International Conference On Practical Applications Of Computational Biology Bioinformatics PACBB 2014

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**Summary** : Free 8th international conference on practical applications of computational biology bioinformatics pacbb 2014 pdf download - biological and biomedical research are increasingly driven by experimental techniques that challenge our ability to analyse process and extract meaningful knowledge from the underlying data the impressive capabilities of next generation sequencing technologies together with novel and ever evolving distinct types of omics data technologies have put an increasingly complex set of challenges for the growing fields of bioinformatics and computational biology the analysis of the datasets produced and their integration call for new algorithms and approaches from fields such as databases statistics data mining machine learning optimization computer science and artificial intelligence clearly biology is more and more a science of information requiring tools from the computational sciences in the last few years we have seen the surge of a new generation of interdisciplinary scientists that have a strong background in the biological and computational sciences in this context the interaction of researchers from different scientific fields is more than ever of foremost importance boosting the research efforts in the field and contributing to the education of a new generation of bioinformatics scientists pacbb 14 contributes to this effort promoting this fruitful interaction pacbb 14 technical program included 34 papers spanning many different sub-fields in bioinformatics and computational biology therefore the conference promotes the interaction of scientists from diverse research groups and with a distinct background such as computer scientists mathematicians or biologists

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