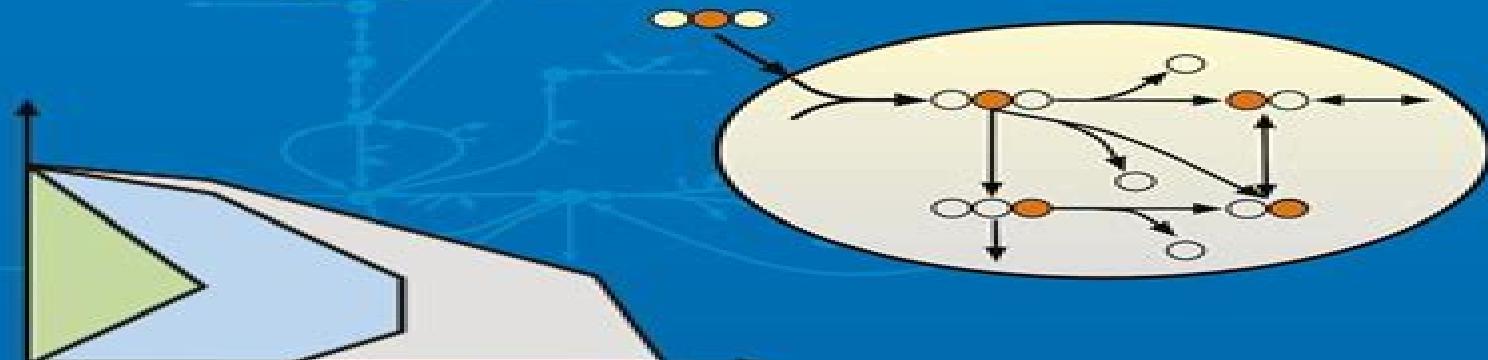
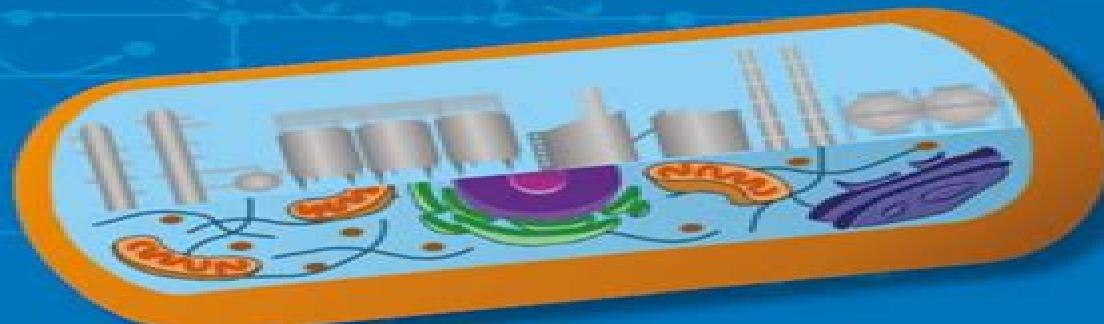


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sequencing technologies together with novel and ever evolving distinct types of omics data technologies have put an increasingly complex set of challenges for the growing fields of Bioinformatics and Computational Biology The analysis of the datasets 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 16 hopes to contribute to this effort promoting this fruitful interaction PACBB 16 technical program included 21 papers spanning many different sub fields in Bioinformatics and Computational Biology Therefore the conference will certainly promote the interaction of scientists from diverse research groups and with a distinct background computer scientists mathematicians biologists The scientific content will certainly be challenging and will promote the improvement of the work being developed by each of the participants Development of New Experimental Design Methods for Optimizing Bioprocesses with High Non-linearity and Multi-dimensionality Guiying Zhang,2008 AICHE Symposium Series American Institute of Chemical Engineers,2000 **Proceedings of the National Academy of Sciences of the United States of America** National Academy of Sciences (U.S.),2006 IEE Proceedings ,2006 **Chemical Engineering Progress** ,2009

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