The Eighth Asia-Pacific Bioinformatics Conference will be held in Bangalore, India. APBC2010 invites high-quality original full papers on any topic related to Bioinformatics and Computational Biology. The submitted papers must have not been published or under the consideration for publication in any other journal or conference with formal proceedings. All accepted papers will have to be presented by one on the authors at the conference. Accepted papers will be invited to be published in the journal BMC Bioinformatics, following the journals publication policy. Papers are solicited on, but not limited to, the following topics:

- Sequence analysis
- Motif search/discovery
- RNA analysis
- Physical and genetic maps
- Evolution and phylogeny
- Protein structure analysis
- Transcriptome, gene expression
- Proteomics
- Pathways, networks and systems
- Ontologies
- Population genetics/SNP/Haplotyping
- Comparative genomics

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