

12th International Meeting on Computational Intelligence Methods for Bioinformatics and Biostatistics

CNR Research Area “Napoli 1”, Naples, Italy

September 10-12, 2015

<http://bioinfo.na.iac.cnr.it/cibb2015/>

cibb2015@gmail.com

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CIBB (Computational Intelligence methods for Bioinformatics and Biostatistics) is a meeting with more than 10-year of history. Its main goal is to provide a forum open to researchers from different disciplines to present problems concerning computational techniques in bioinformatics, systems biology and medical informatics, to discuss cutting edge methodologies and accelerate life science discoveries.

Following this tradition and roots, this year's meeting will bring together researchers from the international scientific community interested in this field to discuss the advancements and the future perspectives in bioinformatics and biostatistics.

Topics addressed by CIBB 2015 include, but are not limited to:

- High dimensional statistical analysis of omic data;
- Next generation sequencing bioinformatics;
- Multi-omic data integration;
- Methods for supervised and unsupervised learning;
- Prediction of protein structures;
- Methods for comparative genomics;
- Algorithms for molecular evolution and phylogenetic analysis;
- Mathematical modelling and simulation of biological systems;
- Systems and synthetic biology;
- Bio-molecular databases and data mining;
- Bio-medical text mining and imaging;
- Statistical methods for the analysis of clinical data;
- Methods for visualization of high dimensional complex omic data;
- Software for bioinformatics.

The scientific programs of CIBB 2015 will include Keynote Speakers, contributed papers, tutorial and special sessions. The contributed papers will be presented in plenary oral sessions, special sessions, or poster sessions.

Publications

Accepted papers will be published on a flash drive with a specific ISBN number for the conference proceedings. A selection of papers presented at CIBB 2015 will appear in a post-conference monograph. We are in contact with Springer to have them published in the Springer series of Lecture Notes in Bioinformatics (LNBI) as usual for CIBB. Moreover, we are planning to publish the best papers in an extended form in a special issue of an international scientific journal.

Important Dates (First call for papers)

Tutorial and Special Session Proposal:	April 3, 2015
Paper submission deadline:	April 10, 2015
Notification of acceptance:	June 12, 2015
Final paper due:	July 10, 2015
Conference:	September 10-12, 2015