

# 8<sup>th</sup> Workshop on Biomedical and Bioinformatics Challenges for Computer Science - BBC2015

<https://bbc2015.wordpress.com>

In conjunction with



**INTERNATIONAL CONFERENCE  
ON COMPUTATIONAL SCIENCE**  
Reykjavík, Iceland | 1 - 3 June, 2015

The workshop is seeking original research contributions presenting innovative bioinformatics and computational biology concepts and solutions in the areas outlined below.

## Computer Science

- Dedicated hardware & architectures
- High performance & distributed computing
- Parallelisation techniques
- Grid/cloud computing
- Service-orientation
- Peer-to-peer computing
- (Distributed) workflows
- E-infrastructures
- Algorithms
- Analysis tools

## Bioinformatics

- Biological sequence & structure analysis
- Genomics, transcriptomics, metagenomics, etc.
- Analysis of biological networks
- Biomedical image analysis
- Neuroimaging
- Data visualization
- Data mining & knowledge discovery

## Computational Biology

- Simulation of biological systems/processes
- Multi-model approaches
- Systems biology
- Knowledge-based techniques
- Knowledge management
- Artificial / computational intelligence techniques
- Executable theories and models

All accepted papers will be printed in the conference proceedings published by Elsevier Science in the open-access *Procedia Computer Science* and indexed by Scopus, ScienceDirect, Thomson Reuters Conference Proceedings Citation (an integrated index within Web of Science).



## Organizing Committee

- Stefano Beretta, ITB – CNR, Italy
- Mario Cannataro, Univ. Magna Græcia of Catanzaro, Italy
- Mauro Castelli, ISEGI – Univ. Nova de Lisboa, Portugal
- Riccardo Dondi, Univ. of Bergamo, Italy
- Werner Dubitzky, Univ. of Ulster, UK
- Joakim Sundnes, Simula Res. Lab., Norway
- Rodrigo Weber dos Santos, Federal Univ. of Juiz de Fora, Brazil

## Important Dates

- Papers submission: Jan. 31, 2014
- Notification of acceptance: Mar. 8, 2015
- Camera-ready papers: Mar. 31, 2015
- Authors registration: Mar. 8 – Mar. 31, 2015
- Early registration: Mar. 8 – Apr. 17, 2015
- Late registration: from Apr. 18, 2015
- Conference/Workshop: Jun. 1 – Jun. 3, 2015

*ICCS 2015 is organised by:*



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