

## Preface

ICBO2015 is the 6th International Conference on Biomedical Ontology held on July 26-30, 2015 in Lisboa. It is a forum for presentation and discussion of current work and new advances in Biomedical Ontologies. This conference explores directions of future research and facilitates collaboration between researchers, developers, practitioners and students.

After a careful revision, the program committee has selected 16 regular papers, 5 early career papers, 14 posters and 9 demonstrations for presentation and discussion in the main conference. This volume contains all these papers.

The main conference includes also two invited presentations, one by Helen Parkinson, entitled *Using Ontologies in the Wild*, and another by Egon Willighagen, entitled *The role of ontologies in chem- and bioinformatics*.

The main conference was preceded by 2 workshops, 1 hackathon and 4 tutorials:

- 4th International Workshop on Vaccine and Drug Ontology Studies (VDOS)
- Third International Workshop on Definitions in Ontologies (IWOOD)
- Genomics data standards – Hackathon
- Tawny-OWL: Re-purposing software engineering for ontology building
- Basic Formal Ontology (BFO)
- OBO Tutorial: Best practices for ontology use
- Tutorial on the Biological Pathway Exchange (BioPAX) ontology and Pathway Commons Database

We would like to acknowledge all the organizing committee, the program committee, the additional reviewers, the volunteers, authors and attendees of ICBO, and EasyChair for providing such a useful conference management tool for free. Finally, we would like to thank all our sponsors.

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Lisboa

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