

CALL FOR PAPERS – WABI 2013



13th Workshop on Algorithms in Bioinformatics

September 2-4

Sophia Antipolis, France

<http://algo2013.inria.fr/wabi.shtml>

SCOPE

All research in algorithmic work in bioinformatics, computational biology and systems biology. The emphasis is mainly on discrete algorithms and machine-learning methods that address important problems in molecular biology, that are founded on sound models, that are computationally efficient, and that have been implemented and tested in simulations and on real datasets. The goal is to present recent research results, including significant work-in-progress, and to identify and explore directions of future research.

TOPICS

Original research papers (including significant work-in-progress) or state-of-the-art surveys are solicited in all aspects of algorithms in bioinformatics, computational biology and systems biology - including, but not limited to:

- Exact and approximate algorithms for sequence analysis, gene and signal recognition, alignment and assembly, molecular evolution, structure determination or prediction, gene expression, molecular pathways and network, proteomics, functional and comparative genomics, and drug design.
- Methods, software, and data repositories for development and testing of such algorithms and their underlying models, as well as high-performance computing approaches to hard learning and optimization problems.
- Novel approaches to analyzing and modeling next-generation sequence data, including sequence assembly, population genomics, metagenomics, metatranscriptomics and ncRNA sequencing.

IMPORTANT DATES

Submission deadline: Friday 17 May, 2013.

Author notification: Friday 14 June, 2013.

Final version due: Monday 24 June, 2013.

Workshop: 02-04 September, 2013.

KEYNOTE SPEAKER

Bernard Moret, École Polytechnique Fédérale de Lausanne, Switzerland

DETAILS ON SUBMITTING MANUSCRIPTS

<http://algo2013.inria.fr/wabi-call.shtml>

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