Call For Papers

1st Workshop on Algorithms in Bioinformatics

WABI 2001

August 28–31, 2001, Aarhus, Denmark

Keynote Speaker:

Gene Myers, Celera Genomics

Program Committee:

Craig Benham, Mt Sinai School of Medicine
Olivier Gascuel, U. Montpellier, co-chair
Mikhail Gelfand, Moscow U.
Raffaele Giancarlo, U. di Palermo
Michael Hallett, McGill U.
Jotun Hein, Aarhus U.
Michael Hendy, Massey U. (NZ)
Inge Jonassen, Bergen U.
Junhyong Kim, Yale U.
Jens Lagergren, KTH Stockholm
Edward Marcotte, U. Texas Austin
Satoru Miyano, Tokyo U.
Bernard M.E. Moret, U. New Mexico, co-chair
Gene Myers, Celera Genomics
Marie-France Sagot, Institut Pasteur
David Sankoff, U. Montréal
Thomas Schiex, INRA Toulouse
Joao Setubal, U. Campinas
Ron Shamir, Tel Aviv U.
Martin Vingron, Max Planck Inst. Berlin
Lisa Vawter, GlaxoSmithKline USA
Tandy Warnow, U. Texas Austin

Important Dates:

Submission of Papers	May 7, 2001 (ext.)
Notification	May 31, 2001
Final Version	June 18, 2001
Workshop	August 28–31, 2001

Local Contact:

Erik Meineche Schmidt
Department of Computer Science
University of Aarhus
`wabi2001@brics.dk`

For more information:

`http://www.brics.dk/wabi2001/`

Contact the program chairs:

Olivier Gascuel
`gascuel@lirmm.fr`
Bernard M.E. Moret
`moret@cs.unm.edu`

The *First Workshop on Algorithms in Bioinformatics*, *WABI 2001*, is sponsored by *EATCS*, the European Association for Theoretical Computer Science, and organized by *BRICS*, the Danish center for Basic Research in Computer Science.

The workshop covers research in all aspects of algorithmic work in bioinformatics. The emphasis is on discrete algorithms 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.

Original research papers (including significant work-in-progress) or state-of-the-art surveys are solicited in all aspects of algorithms in bioinformatics, 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, gene networks, proteomics, functional genomics, and drug design.
- Development of methods, software, and dataset repositories for development and testing of such algorithms and their underlying models.
- High-performance computing approaches to computationally hard optimization problems in bioinformatics.

WABI is colocated with *ESA 2001*, the European Symposium on Algorithms, and with *WAE 2001*, the Workshop on Algorithm Engineering, the three together forming *ALGO 2001*. The four days of the meeting will have two tracks, with plenary sessions for invited speakers. The proceedings of *WABI* will be published by Springer Verlag in the *Lecture Notes in Computer Science* series.

Authors are invited to submit extended abstracts by *May 7, 2001*. Extended abstracts are limited to 15 pages in 11pt size and should use the Springer LNCS style, for which see

`http://www.springer.de/comp/lncs/authors.html`

Authors *must use the SIGACT submission server*, where instructions may be found:

`http://sigact.acm.org/~wabi2001/WABI01.html`

An abstract should start with a presentation of the biological problem, the results achieved, their significance and a comparison with previous work; this material should be understandable to non-specialists. A more technical exposition should follow and an optional short appendix may contain details or additional data to be consulted at the discretion of the program committee.

Simultaneous submission to another conference or journal is allowed. Authors are asked to inform the program co-chairs at the time of submission of the simultaneous submission. If the paper has been accepted to another conference or a journal before WABI 2001, the authors will be allowed only a short abstract (1 page) in the proceedings of WABI 2001.