

Preface

This proceedings volume contains papers presented at the 16th Workshop on Algorithms in Bioinformatics (WABI 2016) that was held at Aarhus University, Aarhus, Denmark, August 22–24, 2016. WABI 2016 was one of eight conferences that were organized as part of ALGO 2016. The Workshop on Algorithms in Bioinformatics was established in 2001, and is an annual conference on all aspects of algorithmic work in bioinformatics, computational biology, and systems biology. The emphasis is 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. WABI 2016 was sponsored by the European Association for Theoretical Computer Science (EATCS).

In 2016, a total of 56 manuscripts were submitted to WABI from which 27 were selected for presentation at the conference. Among them, 25 are included in this proceedings volume as full papers presenting novel results not previously published in journals, and two are included as short abstracts of papers that are in the process of being published simultaneously in journals. The 27 papers were selected based on thorough reviewing, usually involving three independent reviewers per submitted paper, followed by discussions in the WABI Program Committee. The selected papers cover a wide range of topics from networks, to phylogenetic studies, sequence and genome analysis, comparative genomics, and mass spectrometry data analysis. Extended versions of selected papers will be published in a thematic series in the journal *Algorithms for Molecular Biology* (AMB), published by BioMed Central.

We thank all the authors of submitted papers and the members of the WABI Program Committee and their reviewers for their efforts that made this conference possible, and the WABI Steering Committee for their help and advice. We also thank all the conference participants and speakers. In particular, we are indebted to the keynote speaker of the conference, Kiyoshi Asai, for his presentation. Finally, we thank Gerth Stølting Brodal and the local ALGO Organizing Committee for their hard work.

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