

Preface

This proceedings volume contains papers presented at the Workshop on Algorithms in Bioinformatics 2015 (WABI 2015) that was held at Georgia Technological Institute, Atlanta, Georgia, USA, during September 10–12, 2015. WABI was held in conjunction with the ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM BCB). WABI is an annual conference series on all aspects of algorithms and data structures in molecular biology, genomics, and phylogeny data analysis that was first held in 2001. WABI 2015 was sponsored by the ACM Special Interest Group in Bioinformatics (ACM SIGBio), the European Association for Theoretical Computer Science (EATCS), and the International Society for Computational Biology (ISCB).

In 2015, a total of 57 manuscripts were submitted to WABI from which 26 were selected for presentation at the conference. Among them 23 were full papers not previously published in journals, and three were short abstracts for papers published simultaneously in journals. The papers were selected based on a thorough review from at least three independent reviewers as well as active discussions between members of the Program Committee. The selected papers cover a wide range of topics from networks, to phylogenetic studies, sequence and genome analysis, comparative genomics, and RNA structure. 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 Program Committee for their efforts that made this conference possible and the WABI Steering Committee for help and advice. In particular, we are indebted to the keynote speaker of the conference, Paola Bonizzoni, for her presentation. We are also grateful to Srinivas Aluru and the local Organizing Committee for their help in making WABI a success.

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