

INTRODUCTION

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Proceedings of The Twelfth Annual RECOMB Comparative Genomics Conference

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From Twelfth Annual Research in Computational Molecular Biology (RECOMB) Satellite Workshop on Comparative Genomics

Cold Spring Harbor, NY, USA. 19-22 October 2014

The papers in this volume will be presented at the twelfth RECOMB Comparative Genomics Conference, being held at Cold Spring Harbor Laboratory, Cold Spring Harbor, NY. All the papers are original research contributions. We received thirty-three submissions from seventeen countries: Australia, Brazil, Canada, Denmark, Finland, France, Germany, The Islamic Republic of Iran, Ireland, Israel, Italy, Norway, Russian Federation, Saudi Arabia, Singapore, Turkey and United States of America. While the list is based on the affiliated institutes, we are certain that the authors themselves represent an even wider geography. The program committee (PC) members were from five countries, working in multiple time zones, and did an excellent job. We targeted about three independent reviews for each of the submissions. At the end of the day, the PC made the difficult decision of selecting twenty papers for oral presentation at the conference. Due to the typical limitations of a conference setting, many worthy submissions did not make it to this volume. The accepted papers can be roughly categorized in the following sub-areas of comparative genomics: (1) Genome Rearrangement; (2) Phylogeny/Phylogenomics; (3) Evolution models and implications; (4) Exomics (comparative study of expression data).

The conference program also includes five invited speakers: Jaume Bertranpetit, Pompeu Fabra University, Barcelona, Spain; Joseph Nadeau, Pacific Northwest Diabetes Research Institute, Seattle, USA; Ajay Royyuru, IBM T J Watson Research, Yorktown Heights, USA; Adam Siepel, Cornell University, Ithaca, USA; Doreen Ware, Cold Spring Harbor Laboratory, Cold Spring Harbor, USA.

We would like to thank the PC members and the sub-reviewers for their time and diligence for the excellent program, and the Publication team for bringing about this volume. We are also grateful to the invited speakers for accepting our invitation to speak at the conference, and, to discuss exciting and disruptive research directions.

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