

17th IEEE International Workshop on High Performance Computational Biology

HiCOMB 2018

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In conjunction with the 32nd International Parallel and Distributed Processing Symposium

The size and complexity of genome- and proteome-scale data sets in bioinformatics continues to grow at a furious pace, and the analysis of these complex, noisy, data sets demands efficient algorithms and high performance computer architectures. Hence high-performance computing has become an integral part of research and development in bioinformatics, computational biology, and medical and health informatics. The goal of this workshop is to provide a forum for discussion of latest research in developing high-performance computing solutions to data- and compute-intensive problems arising from all areas of computational life sciences. This year's program will feature keynotes by James Taylor from JHU and Onur Mutlu from ETH Zurich. It will also feature three invited speakers, Benjamin Langmead from JHU, Benedict Paten from UCSC, and Inanc Birol from UBC. Finally, there will be four paper presentations.

Workshop co-chairs: Srinivas Aluru and David Bader (Georgia Institute of Technology)

Program Chair: Paul Medvedev (Penn State)

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