15th IEEE International Workshop on High Performance Computational Biology – HiCOMB 2016

Workshop Theme

High-performance computing is an integral part of research and development in bioinformatics/computational biology and medical and health informatics. The large size and complexity of biological data sets, and inherent complexity of the underlying biological problems have collectively resulted in large run-time and memory requirements. 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. We are especially interested in parallel and distributed algorithms, memory-efficient algorithms, large scale data mining techniques, including approaches for big data and cloud computing, algorithms on multicores, manycores and GPUs, and design of high-performance software and hardware for biological applications.

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