

PUBLICATIONS

[1] Jackson, B. G. and Aluru, S. (2009) *Computational Methods for Genome Discovery*. 23rd International Parallel and Distributed Processing Symposium Ph.D. forum, to appear.

[2] Jackson, B. G., Schnable, P. S., & Aluru, S. (2009). *Assembly of Large Genomes from Paired Short Reads*. 1st Annual Bioinformatics and Computational Biology Conference, to appear.

[3] Jackson, B. G., Schnable, P. S., & Aluru, S. (2009). *Parallel Short Sequence Assembly of Transcriptomes*. BMC Bioinformatics. 10(S1), S14.

[4] Jackson, B. N., Schnable, P. S., & Aluru, S. (2008). *Consensus Genetic Maps as Median Orders from Inconsistent Sources*. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 5(1), 161-171.

[5] Jackson, B. G. & Aluru, S. (2008). *Parallel Construction of Bidirected Graphs for Genome Assembly*. Proceedings of the 37th Annual International Conference on Parallel Processing (ICPP 2008), 346-353.

[6] Jackson, B. N. & Aluru, S. (2006). *Pairwise Sequence Alignment*. Handbook on Computational Molecular Biology, Chapter 1. Chapman & Hall, Boca Raton.

[7] Jackson, B. N., Aluru, S., & Schnable, P. S. (2005). *Consensus Genetic Maps: A Graph Theoretic Approach*. Proceedings of the 4th Annual Computational Systems Bioinformatics Conference (CSB 2005), 35-43.

[8] Jackson, B. N. & Keskar, D. (2002). *Methods and Systems to Index and Retrieve Pixel Data*. U.S. Patent No. 7,050,629.

[*] Jackson, B. G., Schnable, P. S., & Aluru S. (in preparation) *Genome Assembly using Summary Features*. IEEE/ACM Transactions on Computational Biology and Bioinformatics.

[*] Jackson, B. G. (In preparation) *Computational Methods for Genome Discovery in response to Recent Advances in Experimental Biology*. Ph.D. Thesis. Iowa State University.