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Research Interests

- Comparative Genomics
- Genome Annotation
- Evolution of Genomes

Education

Ph.D. in Computer Science, expected May 2006
University of California, Berkeley, CA, USA
Advisor : Professor Lior Pachter

B.Tech in Computer Science and Engineering, May 2001
Indian Institute of Technology, Kanpur, UP, India
Advisor : Professor Sumit Ganguly

Publications

Sourav Chatterji and Lior Pachter, GeneMapper: Reference based gene annotation, accepted for publication in Genome Biology.

Sourav Chatterji and Lior Pachter, Large multiple organism genefinding by collapsed Gibbs sampling, Journal of Computational Biology, 12 (2005), p 599–608.

Chicken Genome Sequencing Consortium, Sequence and comparative analysis of chicken genome provide unique perspectives into vertebrate evolution, Nature vol 433 (2005), p 695-716.

Sourav Chatterji and Lior Pachter. Multiple Organism Gene Finding by collapsed Gibbs sampling , Proceedings of the Eighth Annual International Conference on Computational Molecular Biology, (2004) p 187-193.

Rat Genome Sequencing Consortium, Genome sequence of the Brown Norway rat yields insights into mammalian evolution, Nature vol. 428 (2004), p 493-521.

Adam M. Breier, Sourav Chatterji, and Nicholas R. Cozzarelli. Prediction of *Saccharomyces cerevisiae* replication origins , Genome Biology, (2004) 5(4):R22.

Sourav Chatterji, Manikandan Narayanan, Jason Duell and Leonid Olikier. Performance Evaluation of Two Emerging Media Processors: VIRAM and Imagine, 17th International Parallel and Distributed Processing Symposium, (2003) p 229.

Sourav Chatterji, Sai Surya Kiran Evani, Sumit Ganguly and Mahesh Datt Yemmanuru. On the Complexity (Non-Approximability) of Query Optimization, Proceedings of the Twenty-first ACM Symposium on Principles of Database Systems (2002) p 282-292.

Awards and Honors

- UC Regent's Fellowship for graduate studies in UC Berkeley, 2001.
- President's Gold Medal for the best academic performance in the graduating class in all disciplines of the undergraduate program at IIT Kanpur, 2001.
- General Proficiency Silver Medal award for the best academic performance in Computer Science and Engineering at IIT Kanpur, 2001.
- Proficiency award for the best final year thesis in Computer Science and Engineering at IIT Kanpur, 2001.
- Dr. V. Rajaraman Scholarship for excellent academic performance at IIT Kanpur (for the academic year 1999-2000).
- Ranked 2nd in I.I.T Joint Entrance Examination held nationwide in India, 1997.
- Ranked 1st in West Bengal Joint Entrance Examination for selection to engineering colleges in the state of West Bengal, 1997.
- Indian National Mathematics Olympiad (INMO) awardee, 1995. INMO is a nationwide examination held by National Board of Higher Mathematics in India.
- National Talent Search Scholarship awarded by the Government of India, 1995-2001.

References

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