

Abhishek Sarkar

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Research interests

Disease genomics, regulatory genomics, epigenomics, integrative analysis, machine learning

Education

Ph.D. Computer Science, Massachusetts Institute of Technology (in progress)

2013 M.S. Computer Science, Massachusetts Institute of Technology

2011 B.S. Computer Science with Highest Honors, University of North Carolina at Chapel Hill

Research experience

2011– **Massachusetts Institute of Technology**

Research Assistant

Computational Biology Group

Computer Science and Artificial Intelligence Lab

2008–2011 **University of North Carolina at Chapel Hill**

Undergraduate Research Assistant

Computational Genetics Working Group

Peer-reviewed publications

1. David L. Aylor, ..., **Abhishek Sarkar** (29/41), ..., Gary A. Churchill. “Genetic Analysis of Complex Traits in the Emerging Collaborative Cross.” *Genome Research*. 2011; 21(8):1213-22.
2. Qi Zhang, Yi Liu, **Abhishek Sarkar**, Wei Wang. “Split-Order Distance for Clustering and Classification Hierarchies.” *Proceedings of the 21st International Conference on Scientific and Statistical Database Management*, New Orleans, LA, USA. Springer-Verlag, 2009. 517–534.

Presentations

1. **Abhishek K. Sarkar**, Lucas D. Ward, Manolis Kellis. “Genome-wide enrichments for regulatory regions across thousands of unlinked disease-associated variants” (poster). 65th meeting of the American Society of Human Genetics, Boston, MA, USA. 2013.
2. Vineeta Agarwala, **Abhishek Sarkar**, Kyle Gaulton. “Using the Epigenome Roadmap data to analyze genetic studies of Type 2 Diabetes” (workshop talk). 65th meeting of the American Society of Human Genetics, Boston, MA, USA. 2013.
3. **Abhishek K. Sarkar**, Lucas D. Ward, Manolis Kellis. “Systematically interpreting GWAS using regions from Roadmap” (poster). Epigenomics: A Roadmap to the Living Genome, Boston, MA, USA. 2013.
4. Lucas Ward, **Abhishek Sarkar**, Manolis Kellis. “Global contributions of regulatory elements to disease risk and evolutionary fitness in the human population” (poster). 5th annual RECOMB Conference on Regulatory and Systems Genomics, San Francisco, CA, USA. 2012.
5. **Abhishek Sarkar**. “Functional GWAS enrichments across tens of thousands of enhancer elements” (talk). Epigenomics Seminar Series, Broad Institute, Cambridge, MA, USA. 2011.

Honors

2012–2014 MIT Emerson Music Fellow

2011 NSF Graduate Research Fellow

2011 Honorable Mention, CRA Outstanding Undergraduate Researcher Awards

2011 Inducted into Phi Beta Kappa undergraduate honors fraternity