Uri Laserson

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Boston, MA 02115

Education

Sep 2005–present **Massachusetts Institute of Technology / Harvard Medical School**, Cambridge, MA
Division of Health Sciences and Technology and Department of Mathematics
PhD Candidate in Biomedical Engineering and Applied Mathematics

Sep 2001–Jan 2005 **New York University**, New York, NY
BA, *magna cum laude*, in Mathematics and Biology

Experience

Jan 2007–present **Harvard Medical School**, Department of Genetics, Boston, MA
Graduate Researcher, Advisor: George Church
Development of high-throughput sequencing technologies for immune receptors

Dec 2007–Sep 2010 **Good Start Genetics**, Cambridge, MA
Founder and Director
Genetic diagnostics start-up utilizing next-generation sequencing technology

Jul 2002–Aug 2005 **New York University**, Departments of Chemistry and Mathematics, New York, NY
Undergraduate Researcher, Advisor: Tamar Schlick
Development of methods for RNA structural bioinformatics

Prizes/Awards/Fellowships

2012 Forbes 30 Under 30 Science & Innovation
2012 MIT-Lemelson Student Prize Finalist
2006 NIH Bioinformatics and Integrative Genomics Fellowship
2005 NSF Graduate Research Fellowship Honorable Mention
2004 Phi Beta Kappa
2004 Hollis Cooley Prize for Excellence and Promise in Mathematics
2004 NSF VIGRE Research Fellowship
2003 George Granger Brown Scholarship Award in Chemistry
2003 Howard Hughes Honors Summer Institute Research Fellowship
2002 Susumu Okamura Research Scholarship
2001 Intel Science Talent Search Semifinalist

Publications

Larman HB, Zhao Z, **Laserson U**, Li MZ, Ciccia A, Gakidis MAM, Church GM, Kesari S, LeProust EM, Solimini NL, Elledge SF (2011) Autoantigen discovery with a synthetic human peptidome, *Nature Biotech* **29**: 535

Laserson U, Gan HH, Schlick T (2006) Exploring the connection between synthetic and natural RNAs in genomes: a novel computational approach, *New Algorithms for Macromolecular Simulation*, Springer Berlin Heidelberg, 35-56

Laserson U, Gan HH, Schlick T (2005) Predicting candidate genomic sequences that correspond to synthetic functional RNA motifs, *Nucleic Acids Research* **33**: 6057

Fera D, Kim N, Shiffeldrim N, Zorn J, **Laserson U**, Gan HH, Schlick T (2004) RAG: RNA-As-Graphs web resource, *BMC Bioinformatics* **5**: 88

Laserson U, Gan HH, Schlick T (2004) Searching for 2D RNA geometries in bacterial genomes, *Proceedings of the Twentieth Annual Symposium on Computational Geometry*, ACM, 373-377

Gan HH, Fera D, Zorn J, Shiffeldrim N, Tang M, **Laserson U**, Kim N, Schlick T (2004) RAG: RNA-As-Graphs database—concepts, analysis, and features, *Bioinformatics* **20**:1285

Patents

Church GM, Bachelet I, **Laserson U**, Vigneault F (2011) High-throughput immune sequencing, Patent application WO PCT/US2011/055801

Porreca G, **Laserson U**, Li JB, Wassman ER (2010) Methods and compositions for evaluating genetic markers, Patent application WO2010126614

Selected Talks/Posters

Invited talk	"Technologies for immune repertoire characterization", IBC Life Sciences Conference on Drug Discovery & Diagnostic Development, San Francisco, 1-3 Aug 2011
Invited talk	"High-throughput technologies for immune receptor characterization and manipulation", Gordon Research Conference on Antibody Biology & Engineering, Ventura, CA, 7-12 Mar 2010
Poster	"The Personal VDJ-ome", Centers for Excellence in Genomic Science Grantee Meeting, Pasadena, CA, 15-17 Oct 2008