

Daniel Bryan Goodman

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Current position

PhD Candidate, Harvard-MIT Division of Health Science and Technology, Massachusetts Institute of Technology. *Expected graduation: May, 2015*

Areas of specialization

Synthetic Biology & Genomics · Systems Biology · Comparative Genomics and Evolution

Education

- 2015 PhD in Medical Engineering and Medical Physics, Massachusetts Institute of Technology
- 2008-2009 Whitaker International Bioengineering Fellow, University of Cambridge.
- 2008 BS in Bioengineering w/ specialization in Bioinformatics, University of California at San Diego

Research Experience

- 2010- /emphDoctoral Research: Wyss Institute for Bio-inspired Engineering. (advisor: Dr. George M. Church)
 - Multiplexed characterization of genetic regulatory elements using novel high-throughput fluorescent quantitation technique
 - Identified RNA secondary structure as major determinant of 5' codon bias in bacterial genomes, implications for improved codon optimization
 - Developed cloud-based software for high-throughput bacterial genome analysis and engineering