ROHAN MEHTA

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EDUCATION

Stanford University 09/2014-01/2019
PhD in Biology
Thesis: Mathematical modeling of genetic and cultural traits
University of California, San Diego 09/2009-06/2013
B.S. in Biology Honors
B.S. in Mathematics
Complex Systems Summer School, Santa Fe Institute 06/2014-07/2014

HONORS AND ACHIEVEMENTS

Graduate Fellowship, Center for Computational, Evolutionary, and Human Genomics, Stanford University 09/2017 - 09/2018
Best Video, Complexity Challenge, Santa Fe Institute Spring 2018
Honorable Mention, Complexity Challenge, Santa Fe Institute Fall 2017, Spring 2018
Honorable Mention, Graduate Research Fellowship Program, National Science Foundation 02/2014
David and Lucile Packard Foundation Fellowship 09/2014 - 09/2017
Phi Beta Kappa 06/2012
Regents Scholarship, University of California, San Diego 09/2009-06/2013

PRESENTATIONS

Poster for Evolution of Complex Life, Georgia Institute of Technology: *Local context and the evolution of cooperation* 05/2019
Talk for Phylomania, University of Tasmania : *The probability of monophyly of a sample of gene lineages on a species tree.* 11/2018
Poster for Society for Molecular Biology and Evolution, Yokohama: *Properties of haplotype-based Fst computed as a function of haplotype length* 07/2018
Poster for Feldmania II Symposium, Stanford University : *Modeling anti-vaccine sentiment as a cultural parasite.* 11/2017
Talk for Evolution, Portland: *The probability of monophyly of a sample of gene lineages on a species tree.* 06/2017
Talk for Mathematical and Computational Evolutionary Biology, Hyeres: *The probability of monophyly of a sample of gene lineages on a species tree.* 06/2017
Poster for Society for Molecular Biology and Evolution, Gold Coast: *The probability of monophyly of a sample of gene lineages given a species tree: an application to maize domestication.* 07/2016
Poster for Biological Sciences Research Showcase, University of California, San Diego: *Using CellProfiler as an alternative to other methods in collecting data related to the study of bacterial aging* 06/2013

PUBLICATIONS

1. RS Mehta, D Bryant, and NA Rosenberg. "The probability of monophyly of a sample of gene lineages on a species tree." Proc Natl Acad Sci USA 113.29 (2016): 8002-8009.
2. RS Mehta and NA Rosenberg. "The probability of reciprocal monophyly of gene lineages in three and four species." Theor Popul Biol in press.
3. DE LaScala-Gruenewald, RS Mehta, Y Liu, and MW Denny. "Sensory perception plays a larger role in foraging efficiency than heavy-tailed movement strategies." Ecol Mod 404 (2019): 69-82.
4. RS Mehta, AF Feder, SM Boca, and NA Rosenberg. "The relationship between haplotype-based F_{ST} and haplotype length." Under review.
5. RS Mehta and NA Rosenberg. "Modeling anti-vaccine sentiment as a cultural pathogen." In prep.