Curriculum Vitae

Yoav Ram

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## Personal Information

Name

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## Education

* **Ph.D.** 2010 - Ongoing
* Evolutionary Theory Lab, Tel-Aviv University
  + Advisor: Dr. Lilach Hadany
  + Ph.D. proposal title: *The Evolution of Stress-Induced Hypermutation: Causes and Consequences* (approved May 2012)
* **M.Sc.** 2010-2012 (direct Ph.D. track)
* Theoretical and Computational Biology, Tel-Aviv University
* **B.Sc.** 2007-2010
* Life-Sciences and Mathematics, *Cum laude*, Tel-Aviv University

## Publications

* Geffen, E., Hadany, L., **Ram, Y.**, and Gafny, S. Genetic diversity in edge populations: A complementary view. *Submitted*.
* Gueijman, A., Ayali, A., **Ram, Y.**, and Hadany, L. (2013) Dispersing away from bad environments: The evolution of fitness-associated dispersal (FAD) in homogeneous environments. *BMC Evol. Biol.*, *In print*.
* **Ram, Y.** and Hadany, L. (2012) The evolution of stress-induced hypermutation in asexual populations. *Evolution*, 66: 2315-2328. DOI: [10.1111/j.1558-5646.2012.01576.x](http://onlinelibrary.wiley.com/doi/10.1111/j.1558-5646.2012.01576.x/abstract)

## Presentations

2013

Future: **Stress-induced Mmutagenesis and the Evolution of Complex Traits** - Poster at *Gordon Research Conference on Biological Mechanisms in Evolution*, Stonehill College, Easton, MA, USA, June 2-6.

Future: **Stress-Induced Mutation in the Presence of Recombination** - Poster at *ESEB 2013* in Lisbon, Portugal, August 19-24.

**The Role of Stress-Induced Mutation in the Emergence of Complex Adaptations** - Oral presentation at the *5th Anual SIDEER Graduate Symposium*, Ben-Gurion University of the Negev, Sede-Boqer Campus, March 20.

2012

**Evolutionary Causes and Consequences of Stress-Induced Hypermutation** - Oral presentation at *The 1st Graduate Students’ Conference in Genetics, Genomics and Evolution*, Ben-Gurion University of the Negev, September 23. DOI: [10.6084/m9.figshare.96049](http://dx.doi.org/10.6084/m9.figshare.96049).

2012

Seminar presentation at the Pilpel Lab at the Weizmann Institute of Science, June.

**The Evolution of Stress-Induced Mutagenesis in Finite and Infinite Populations** - Oral presentation at *PopGroup 45* in Nottingham, UK, January. DOI: [10.6084/m9.figshare.95939](http://dx.doi.org/10.6084/m9.figshare.96049).

2011

Seminar presentation at the Eldar Lab at Tel-Aviv University, December.

Seminar presentation at the Department of Molecular Biology and Plants M.Sc. Seminar at Tel-Aviv University, November.

**Rise and Fall of Mutator Bacteria** - Seminar presentation at the *BioMath Student Journal Club*, Tel-Aviv University, May. DOI: [10.6084/m9.figshare.95940](http://dx.doi.org/10.6084/m9.figshare.95940).

**The Evolution of Stress-Induced Hypermutation** - Poster at *ESEB 2011* in Tubingen, Germany, August. See: [F1000 Posters 2011, 2: 1484](http://f1000.com/posters/browse/summary/2211).

2010

**The Evolution of Stress-Induced Hypermutation** - Poster at *SMBE 2010* in Lyon, France, July.

**The Evolution of Stress-Induced Hypermutation** - Poster at *MMSB 2010* in Tel-Aviv, Israel – won the *Best poster award*.

## Awards

2013

Travel award from the *Manna Institute for Plants BioSciences* to *ESEB 2013* in Lisbon, Portugal.

2012

Research achievements scholarship from the Life-Science faculty, Tel-Aviv University.

Registration and accommodation waiver (sponsored by Cambridge University Press) for *PopGroup45* in Nottingham, UK.

Crowd-funded travel expanses for *PopGroup 45* via *The #SciFund Challenge*.

2011

SSE International Travel Award to *ESEB 2011* in Tubingen, Germany.

2010

Direct Ph.D. scholarship from the Department of Molecular Biology and Ecology of Plants, Tel-Aviv University, 2010-2015.

Undergraduate Diversity Mentoring Program award at *SMBE 2010* in Lyon, France.

Best poster award at *MMSB 2010* in Tel-Aviv, Israel.

2009

The *Amos de-Shalit* Ulpana for excellent students in Life-Sciences at the Weizmann Institute of Science.

## Peer-Reviews

2012

Proceeding of the Royal Society B

2011

Integrative Zoology

## Teaching

Spring 2013

Extended Introduction to Computer Science (0368-1105, TA)

Fall 2012

Python Programming for Engineers (0509-1820, TA)

Spring 2012

Evolution (0455-2536, TA)

Fall 2011

Python Programming for Engineers (0509-1821, TA)

2011 - Ongoing

Co-organizing the *BioMath Student Journal Club* at Tel-Aviv University

## Conferences

2013

Future: *The 14th Congress of the European Society for Evolutionary Biology* (ESEB) in Lisbon, Portugal, August.

Future: *Gordon Research Conference on Biological Mechanisms in Evolution* in Stonehill College, Easton, MA, USA, June.

*The 5th Annual SIDEER Graduate Symposium - The Emergence of Design in Nature* in Ben-Gurion University of the Negev, Sede-Boqer Campus, March.

2012

*The 1st Graduate Students’ Conference in Genetics, Genomics and Evolution* in Ben-Gurion University of the Negev, September.

*The 45th Population Genetics Group* meeting in Nottingham, UK, January.

2011

*The 13th Congress of the European Society for Evolutionary Biology* (ESEB) in Tubingen, Germany, August.

2010

*Learning, Decision Making and Evolutionary Theory: Can We Bridge the Gap?* in Kfar-Blum, Israel, November.

*Theoretical Models in Ecology, Evolution and Behavior: Recent Advances and Conceptual Issues* at the Hebrew University in Jerusalem, Israel, October.

*The annual meeting of the Society for Molecular Biology and Evolution* (SMBE) in Lyon, France, July.

*Mathematical Methods in Systems Biology* in Tel-Aviv University, Israel, January.

2009

*From Darwin to Evo-Devo Symposium* in the Technion, Haifa, Israel, October.

*Evolution in Jerusalem: A Workshop in Celebration of Darwin’s ‘The Origin of Species’* in the Hebrew University, Jerusalem, Israel, October.

## Public Outreach

### Publications

* Even-Tov, E., Obolski, U., Gueijman, A., **Ram, Y.**, Hadany, L. (2010) The Evolutionary Riddle of Sexual Reproduction. *Galileo, an Israeli journal for popular science*: June, 32-41

### Presentations

* **Evolution and mutation in stressful times** - The evolution series in Tel-Aviv University’s Botanical Gardens. 16 May, 2013.