

# Curriculum Vitae

Yoav Ram

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## Personal Information

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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 5.2012
  - Including the completion of a **M.Sc.** as part of a direct Ph.D. program
- **B.Sc.** 2007-2010  
Life-Sciences and Mathematics, *Cum laude*, Tel-Aviv University

## Publications

- **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](https://doi.org/10.1111/j.1558-5646.2012.01576.x)
- Gueijman, A., Ayali, A., **Ram, Y.**, and Hadany, L. Dispersing away from bad environments: The evolution of fitness-associated dispersal (FAD) in homogeneous environments. *Submitted*.
- Geffen, E., Hadany, L., **Ram, Y.**, and Gafny, S. Genetic diversity in edge populations: A complementary view. *Submitted*.

## Presentations

- 2013 The role of stress-induced mutation in the emergence of complex adaptations**  
- Oral presentation at the *5th Annual 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](https://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](https://doi.org/10.6084/m9.figshare.95939)
- 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](https://doi.org/10.6084/m9.figshare.95940)  
 Poster at *ESEB 2011* in Tübingen, Germany, August. See: [F1000 Posters 2011, 2: 1484](#)
- 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

- 2012** Research achievements scholarship by the Life-Science faculty, Tel-Aviv University  
 Registration and accommodation waiver (sponsored by Cambridge University Press) for *PopGroup45*, Nottingham, UK  
 Crowd-funded travel expenses for *PopGroup 45* via [The #SciFund Challenge](#)
- 2011** SSE International Travel Award to *ESEB 2011*, Tübingen, Germany
- 2010** Direct Ph.D. scholarship by the Department of Molecular Biology and Ecology of Plants, Tel-Aviv University, 2010-2015  
 Undergraduate Diversity Mentoring Program award at *SMBE 2010*, Lyon, France  
 Best poster award at *MMSB 2010*, Tel-Aviv
- 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** *The 5th Annual SIDEER Graduate Symposium - The Emergence of Design in Nature*, Ben-Gurion University of the Negev, Sede-Boqer Campus
- 2012** *The 1st Graduate Students' Conference in Genetics, Genomics and Evolution*, Ben-Gurion University of the Negev  
*The 45th Population Genetics Group meeting*, Nottingham, UK
- 2011** *The 13th Congress of the European Society for Evolutionary Biology (ESEB)* in Tübingen, Germany
- 2010** *Learning, Decision Making and Evolutionary Theory: Can We Bridge the Gap?* in Kfar-Blum, Israel,  
*Theoretical Models in Ecology, Evolution and Behavior: Recent Advances and Conceptual Issues* at the Hebrew University in Jerusalem, Israel  
*The annual meeting of the Society for Molecular Biology and Evolution (SMBE)* in Lyon, France  
*Mathematical Methods in Systems Biology* at Tel-Aviv University, Israel
- 2009** *From Darwin to Evo-Devo Symposium* at the Technion in Haifa, Israel  
*Evolution in Jerusalem: A Workshop in Celebration of Darwin's 'The Origin of Species'* at the Hebrew in Jerusalem, Israel

## 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. 16.5.2013, 18:00. [link](#).