

# DEANNA ARSALA, B.S., B.A.

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## EDUCATION

**University of Illinois at Chicago - Chicago, IL** (Fall 2013 – Current)  
Doctor of Philosophy in Molecular, Cell, and Developmental Biology

**California State University, Fresno – Fresno, CA** Spring 2013  
Bachelor of Science in Biology, Bachelor of Arts in Physical Anthropology  
*Cum Laude*, Tri-Beta Biological Honor Society

## AWARDS AND GRANTS

**Graduate Teaching Award** – University of Illinois at Chicago 2015  
**W.C. and May Preble Deiss Award** – University of Illinois at Chicago 2015  
**Biological Sciences Departmental Travel Award** - University of Illinois at Chicago 2014, 2015  
**Provost Undergraduate Research Award** – CSU Fresno 2009 - 2012

## RESEARCH EXPERIENCE

**Doctoral Research; Advisor: Jeremy A. Lynch, Ph.D.** April 2014 - Present  
University of Illinois at Chicago, Biological Sciences, Molecular, Cell, and Developmental Biology.

**Undergraduate Researcher; Advisor: James P. Prince, Ph.D.** June 2008 – June 2013  
California State University, Fresno. Plant Molecular Genetics.

**NSF Research Experience for Undergraduates; Advisor: James Giovannoni** June 2011 – August 2011  
Cornell University, Boyce Thompson Institute

## PEER-REVIEWED PUBLICATIONS

**D Arsala** and JA Lynch. Nucleocytoplasmic ratio does not affect timing of embryonic events in haplo-diploid wasps. *In review*. 2017.

DD McKenna, ED Scully, Y Pauchet, K Hoover, R Kirsch, SM Geib, RF Mitchell, RM Waterhouse, S Ahn, **D Arsala**, ... & Benoit, J.B. (2016). Genome of the Asian longhorned beetle (*Anoplophora glabripennis*), a globally significant invasive species, reveals key functional and evolutionary innovations at the beetle–plant interface. *Genome Biology*, 17(1), 227.

## TEACHING EXPERIENCE

University of Illinois at Chicago  
Teaching Assistant, Mendelian and Molecular Genetics Spring 2014 - Present  
Teaching Assistant, Introduction to Biology Fall 2013

**Mentor for Undergraduate Research** Spring 2016 - Present  
Trained and oversaw the employment of undergraduate research assistants  
Undergraduates: Salma Zaghoud, Myankkumar Patel, Praveena Babu, Raissa Bezerra

## PROFESSIONAL ASSOCIATIONS

Pan-American Society for Evo-Devo Biology  
European Society for Evo-Devo Biology  
Genetics Society of America

## RESEARCH PRESENTATIONS

**Arsala, D** & Lynch J. Characterization of the maternal to zygotic transition in haplodiploid embryos. June 2016. Proceedings, Cell Symposia: Transcriptional Regulation in Development and Disease.

**Arsala, D** & Lynch J. A transcriptomic and functional approach to the regulation of early zygotic gene expression in haplodiploid embryos. August 2015. Proceedings, 2015 Pan-American Evo Devo Conference.

**Arsala, D** & Lynch. A transcriptomic approach to sex determination and the maternal-to-zygotic transition in *Nasonia*. March 2015. Proceedings, 2015 Annual Drosophila Meeting.

**Arsala D** & Lynch J. Whence the womanizer? A transcriptomic approach to sex determination in *Nasonia*. November 2014. Proceedings, 2014 Midwest Drosophila Meeting. Poster.

**Arsala D** & Lynch J. Whence the womanizer? A transcriptomic approach to sex determination in *Nasonia*. July 2014. Proceedings, European Evo Devo. Vienna, Austria. Poster.

**Arsala D**, Bautista A, Gill D, Cheng D, and Prince JP. A candidate gene strategy to identify resistance genes in pepper to *Phytophthora capsici*. May 2012. Proceedings, California State University Fresno College of Science and Mathematics' Student Poster Event. Poster.

**Arsala D**, Bautista A, Gill D, Cheng D, and Prince JP. A candidate gene strategy to identify resistance genes in pepper to *Phytophthora capsici*. April 2012. Proceedings, 33rd Annual Central California Research Symposium. Poster.

Gapper N, **Arsala D**, and Giovannoni J. Sl-FBOX1: A novel regulator in ethylene signaling? January 2012. Proceedings, 23rd Annual California State University Biotechnology Symposium . Poster.

**Arsala D**, Bautista A, Duran S, Cheng D, and Prince JP. A candidate gene strategy to identify resistance genes in pepper to *Phytophthora capsici*. January 2012. Proceedings, 24th Annual California State University Biotechnology Symposium. Poster.

Gapper N, **Arsala D**, and Giovannoni J. Sl-FBOX1: A novel regulator in ethylene signaling? August 2011. Proceedings, Cornell University and Boyce Thompson Institute PGRP Summer Student Symposium . Poster.

**Arsala D**, Bautista A, Duran S, Cheng D, and Prince JP. A candidate gene strategy to identify resistance genes in pepper to *Phytophthora capsici*. May 2011. Proceedings, 32nd Central California Research Symposium. (Won Best Poster Award)

**Arsala D**, Bautista A, Duran S, Cheng D, and Prince JP. A candidate gene strategy to identify resistance genes in pepper to *Phytophthora capsici*. January 2011. Proceedings, 23rd Annual California State University Biotechnology Symposium. Poster.

**Arsala D** and Prince JP. A candidate gene strategy to identify resistance genes in pepper to *Phytophthora capsici*. May 2010. Proceedings, 31st Annual Central California Research Symposium. Poster. (Honorable Mention for Best Science Presentation).