

# Zachery T. Beres

Department of Evolution, Ecology, and Organismal Biology

The Ohio State University

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## EDUCATION

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The Ohio State University, Columbus, OH

Department of Evolution, Ecology, and Organismal Biology

PhD Graduate Student (2013 – present)

Dissertation: “Evolutionary Ecology of Herbicide Resistant Weeds”

Advisor: Dr. Allison Snow

Walsh University, North Canton, OH

August 2009 - April 2013

Bachelor's of Science

Summa Cum Laude

Cumulative GPA – 3.96

Majors: Biology

Chemistry

Minor: Mathematics

Honors Program

Participant in London Global Learning Experience

## WORK EXPERIENCE

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The Ohio State University, Columbus, OH

Fall 2015 Graduate Teaching Associate

Department of Evolution, Ecology, and Organismal Biology - Ecology

Summer 2015 Graduate Research Associate

Spring 2015 Graduate Teaching Associate

Department of Evolution, Ecology, and Organismal Biology - Ecology

2014-2015 Graduate Research Associate

2013-2014 Distinguished University Graduate Fellow

Walsh University, North Canton, OH

2010-2013 Tutor: Anatomy & Physiology, Biology, Chemistry, and Mathematics

2012-2013 Teaching Assistant for Biology Lab

2012 Phone-A-Thon

Muskingum Valley Scout Reservation, Coshocton, OH

2015 Program Director

2012-14 Aquatics Director

2010-11 Lake Director

2008-09 Assistant Aquatics Director

2006-07 Assistant Netami Director

Mad Science of Northeast Ohio, Canton, OH

2009 Independent contractor and elementary educator

## PUBLISHED ABSTRACTS AND PRESENTATIONS

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**Beres\*, Z.T.**, Snow, A.A., and J.T. Parrish (2015). Size and biomass of glyphosate-resistant and glyphosate-susceptible maternal families of *Conyza canadensis* in Ohio: a pilot field experiment. Darwin Presentation, Department of Evolution, Ecology, and Organismal Biology, The Ohio State University. [Oral Presentation]

- Beres\***, **Z.T.**, Snow, A.A., and J.T. Parrish (2015). Differences in final biomass among glyphosate-resistant and glyphosate-susceptible maternal families of *Conyza canadensis* in Ohio: a pilot field experiment [Abstract]. *55<sup>th</sup> Annual Meeting of the Weed Science Society of America*, 57. [Oral Presentation]
- Beres\***, **Z.T.**, Ernst, E.E., Snow, A.A., Parrish, J.T., Owen, M.D., Ackley, B.A., and M.M. Loux. (2015) Screening for resistance to 20x glyphosate in biotypes of *Conyza canadensis* from soybean fields and non-agricultural habitats in Ohio and Iowa [Abstract]. *55<sup>th</sup> Annual Meeting of the Weed Science Society of America*, 29-30. [Poster]
- Beres\***, **Z.T.**, Snow, A.A., and J.T. Parrish (2014). Differences in final biomass among glyphosate-resistant and glyphosate-susceptible maternal families of *Conyza canadensis* in Ohio: a pilot field experiment [Abstract]. *Proceedings of the 69<sup>th</sup> Annual Meeting of the North Central Weed Science Society* 69, 54. [Oral Presentation]
- Beres\***, **Z.T.**, Ernst, E.E., Snow, A.A., Parrish, J.T., Owen, M.D., Ackley, B.A., and M.M. Loux. (2014) Screening for resistance to 20x rates of glyphosate in biotypes of *Conyza canadensis* from soybean fields and non-agricultural habitats in Ohio and Iowa [Abstract]. *Proceedings of the 69<sup>th</sup> Annual Meeting of the North Central Weed Science Society* 69, 42. [Poster]
- Snow\*, A.A., Loux, M.M., Ackley, B.A., Mackey, D.M., and **Z.T. Beres**. (2014) Can Overproduction of EPSPS Enhance Fitness in Certain Glyphosate-Resistant Weeds?: Avenues for Research. Joint 2014 Meeting Weed Science Society of America and Canadian Weed Science Society, Vancouver, British Columbia, February 3 – 6, 2014.
- Snow\*, A.A., Loux, M.M., Ackley, B.A., Mackey, D.M., and **Z.T. Beres**. (2013) Can Overproduction of EPSPS Enhance Fitness in Certain Glyphosate-Resistant Weeds?: Avenues for Research [Abstract]. *Proceedings of the 68<sup>th</sup> Annual Meeting of the North Central Weed Science Society* 68, 91-92. [Oral Presentation]
- Heston, A.J., J.A. Clevinger, C.C. Clevinger, T.A. Izzo, and **Z.T. Beres**. (2013, May). Biogeochemistry of local watersheds: Honors projects incorporating both chemical and biological sciences for Walsh University's new environmental science major. Paper presented at the CERM 2013: Central Eastern Regional Meeting of the American Chemical Society, Mount Pleasant, Michigan. [Poster]
- Beres, Z.T.**, Clevinger, C.C., and J.A. Clevinger. (2013). Remediation of an Acidic Pit Lake at the Muskingum Valley Scout Reservation Located on Reclaimed Mining Land in Coshocton County, Ohio [Abstract]. *The Ohio Journal of Science*, 113, 28-29. [Poster]
- Beres, Z. T.**, Clevinger, C. C., and J.A. Clevinger. (2012). Limnology of Crystal Lake and Boating Lake at the Muskingum Valley Scout Reservation Located on Reclaimed Mining Land in Coshocton County, Ohio [Abstract]. *The Ohio Journal of Science*, 112, 30-31. [Poster]

Presented at:

May 7, 2015 – Darwin Presentations, Dept. EEOB, The Ohio State University, Columbus, OH  
 February 9-12, 2015 – Weed Science Society of America Annual Meeting, Lexington, KY  
 December 1-4, 2014 -- North Central Weed Science Society Annual Meeting, Minneapolis, MN  
 December 9-12, 2013 – North Central Weed Science Society Annual Meeting, Columbus, OH  
 March 6, 2013 – Senior Honor's Thesis, Walsh University, North Canton, OH  
 February 23, 2013 – Ohio Natural History Symposium, Columbus, OH  
 April 6, 2013 – Ohio Academy of Science, The University of Findlay, Findlay, OH  
 February 11, 2012 - Ohio Natural History Symposium, Columbus, OH  
 March 30, 2012 - Sigma Zeta Math and Sciences National Convention, Malone College, Canton, OH  
 April 14, 2012 - Ohio Academy of Sciences, Ashland University, Ashland, OH

## ACCOLADES, AWARDS, AND ACTIVITIES

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2015-present	Communication Committee Representative for Graduate Evolution Ecology Students (GEES)
2015	Janice Carson Beatley Fund (\$760)
2015	Weed Science Society of America Graduate Student Travel Award (\$500)
2014-2015	Graduate student mentor for undergraduates Emily Ernst and Allison Guggenheimer
2013	Distinguished University Fellowship – The Ohio State University
2013	Outstanding Student – Walsh University
2013	Outstanding Senior in Chemistry – Walsh University
2013	Outstanding Senior in Honors – Walsh University
2009 – 2013	Dean’s List – Walsh University
2009 – 2013	Walsh University Honors Program
2009 – 2013	Presidential Scholar at Walsh University (Full Tuition)
2009 – 2013	Walsh University Science Club (President from 2011 – 2013)
2010 – 2013	Walsh University Campus Ambassador
2010 – 2013	Walsh University Ski Club
2011 – 2012	Full Justice for Walsh University Student Government
2012	Silver Scout – Venturing – Boy Scouts of America
2011	Inducted into National Math and Science Honor Society Sigma Zeta Beta Chi Chapter
2009	Vigil Honor – Order of the Arrow
2009	National Eagle Scout Association Mabel and Lawrence S. Cooke Scholarship Recipient (\$48,000)
2006	Eagle Scout – Boy Scouts of America