

Rebecca Leigh Yeamans Irwin

Education

M.S., Environmental Sciences (Ecology), *University of Virginia*, Charlottesville, VA 2011
B.S., Biology, *cum laude, Saint Michael's College*, Colchester, VT 2004

Publications

Perdue, L., & Yeamans-Irwin, R.L. Low-Dose BPA Paper in Toxicological Sciences is Contaminated by Massive Errors & Should Be Retracted. Uploaded February 2014.

Banschbach, V.S., Yeamans, R., Brunelle, A., Gulka, A., & Holmes, M. (2012) Edge Effects on Community and Social Structure of Northern Temperate Deciduous Forest Ants. *Psyche*. Doi: 10.1155/2012/548260.

Yeamans, R. L. (2011) Ecological and evolutionary shifts in pollen chemistry and their implications for pollinators.

Banschbach, V.S., Brunelle, A., Bartlett, K.M., Grivetti, J.Y., & Yeamans, R.L. (2006) Tool use by the forest ant *Aphaenogaster rudis*: Ecology and task allocation. *Insectes Sociaux*, 53, (463-471).

Abstracts, Posters, and Presentations

Goldman, M.D., Yeamans, R.L., and Koenig, S. Steroid Exposure & Hyperglycemia in Multiple Sclerosis (MS) and Headache (HA) Patients: A Retrospective Chart Review. American Academy of Neurology 65th Annual Meeting, 2013. San Diego, CA.

Engelhard, M., Patek, S.D., Chen, S., Lach, J., Yeamans, R. and Goldman, M.D. Detecting changes in gait characteristics during a six-minute walk using wireless technology in MS subjects. September 2013.

Yeamans, R.L., The effects of plant inbreeding on pollen nutritional content and solitary bee development. Blandy Experimental Farm 24th Annual Research Forum., 2010.

Yeamans, R.L. and Banschbach, V.S. A study of species diversity among ants in edge versus interior forest habitats in a northwestern Vermont forest. Council on Undergraduate Research Posters on the Hill, Washington, D.C., 2004.

Laboratory, Research, and Teaching Experience

Program Specialist – *University of Virginia Department of Neurology*, Charlottesville, VA February 2012-August 2014

- Managed a National and International Multiple Sclerosis clinical research trial substudy.
- Assisted with the development of training materials, manual of operations, as well as patient tracking and interaction with study subjects.
- Administered clinical research trial visits for 100 local study subjects.
- Communicated and distributed study materials to multiple study sites.
- Performed statistical analysis of study data and ensured compliance with study procedures.
- Proficient in software including EPIC, Microsoft Access, and Music (an online research database).
- Performed duties as a Medical Scribe for a prominent Neurologist during weekly clinic visits.

Teaching Assistant – *University of Virginia*, Charlottesville, VA August 2008-May 2011

- Responsible for teaching discussion and laboratory sections of two graduate and undergraduate levels courses, three semesters for each course:
 - 1) Politics, Science, and Values: Introduction to Environmental Policy; and
 - 2) Applied Statistics for Environmental Scientists.
- Graded papers, exams, and laboratory assignments, and provided guidance to undergraduates and graduates as needed both in person and through the university's centrally-supported online collaboration and learning environment (COLLAB).

Senior Research Technician – *Immune Disease Institute and DeImmune Therapeutics*, Boston, MA May 2004-May 2008

- Established human to mouse skin transplant surgical model and executed the small animal surgery experiments studying burn injury/inflammation.
- Managed a large mouse colony (n > 1500 mice) for an Immunology research lab at Harvard Medical School.
- Routine genotyping by genomic DNA isolation and PCR analysis and cell preparation for FACS analysis.
- Maintained a Microsoft Access database for censusing animals.
- Responsible for ordering/transferring animals, phlebotomy, drug administration (including tail vein I.V. procedures), mouse cardiac perfusion and surgically isolating lymphoid and non lymphoid tissues.
- Performed statistical analysis of data and prepared presentations for laboratory meetings and retreats.
- Worked efficiently with and assisted postdoctoral fellows.
- Trained and managed an assistant animal technician.
- Prepared various solutions for use in the wet laboratory.
- Ordered various supplies as needed in the laboratory for global use.

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Summer Research Technician - *Blandy Experimental Farm at University of Virginia, Boyce, VA* *May 2008-August 2008*

- Provided technical assistance on various ecological research projects.
- Assisted the Associate Director with essential duties on grounds.
- Worked closely with Associate Director, graduate students, and undergraduate students in the Research for Undergraduates Program.

Senior Laboratory Technician & Teaching Assistant - *Saint Michael's College, Colchester, VT* *Aug 2003-May 2004*

- Teaching Assistant for General Biology, Ecology, and Animal Behavior labs.
- Provided academic and technical support for students.
- Acted as the Insect Curator by sorting, identifying, and pinning insect species, and creating artificial ant nests.

Highlighted Laboratory and Computer Skills

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| • WordPress | • Basic HTML | • COLLAB Online collaboration and learning environment | • Microsoft Office (Access, Excel, Word, PowerPoint) |
| • Ecological field work | • Mesquite software | • Phylomatic software | • SAS statistical software |
| • Curating insects | • Small animal surgery | • Mouse phlebotomy and I.V. drug administration | • Dissection/Necropsy |
| • PCR analysis, ELISA, and micropipetting | • Bradford Protein Assay | • Spectrophotometry | • Cryopreservation |
| • Mouse colony management | • Paraffin section analysis | • Antibody staining and sectioning | • Cell preparation for FACS analysis |

Writing, Editing, and Other Internet Experience

Editor – *Wine Industry Insight NewsFetch* *October 2014-current*

- Collects daily news articles and compiles them into html-based newsletter that is sent out to over 22,000 wine industry customers on a daily basis.
- Adheres strictly to deadlines.
- Edits headlines and assigns categories and level of importance to each article.
- Submits news articles on the Wine Industry Insight website as needed.

Editor – *Craft Beverage Insights* *October 2015-December 2016*

- Maintains the primary website with up-to-date news articles that are important for the craft beverage industry.
- Collects daily news articles and compiles them into html-based newsletter that is sent out to over 210,000 craft beverage industry customers on a daily basis.
- Edits headlines and assigns categories and level of importance to each article.

Owner, Creator, Writer, Editor – *The Academic Wino, www.academicwino.com* *June 2011-current*

- Manages, writes, and edits content dedicated to dissecting current results in enology and viticulture.
- Edits content for sponsored and guest posts to ensure consistency and adherence of policies.
- Provides fascinating insights and thoughts on the current state of research related to wine.
- Reviews at least two peer-reviewed articles per week, on articles spanning nearly every aspect of academia.
- Manages Twitter, Facebook, Pinterest, and Google+ accounts and searches the internet for wine industry and wine business news to share with followers.

Other Freelance Work *June 2011-current*

- Currently co-authoring a manuscript for a book on endocrine disruptors in the environment and exposing their dangers and potential consequences for public health as well as a university-approved research study on the same topic.
- Occasional guest writer on www.winesandvines.com; www.jancisrobinson.com; www.mypersonalfinancejourney.com; www.palatepress.com; and www.alcoholprofessor.com
- Past ghost writer for eckraus.com; a home winemaking website.
- Past staff writer at www.miwinebarrel.com.
- Past Social Media Manager for Thibaut-Janisson Winery, Margaux & Co Imports, & My Personal Finance Journey

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Other Management Experience

Tasting Room Manager – *Afton Mountain Vineyards*, Afton, VA

April 2011-May 2012

- Project management overseeing the scheduling and management of all special events including private events, weddings, and Wine Club functions.
- Responsible for managing tasting house staff, including scheduling.
- Managed sales of wine and food in the tasting house.
- Demonstrated proficiency in Point of Sale (POS) software.
- Performed wine tastings in the tasting room and for festivals, and educated consumers on the process and science of winemaking and viticulture.

Awards and Honors

2016	Shortlisted – Best Investigative/Journalistic Wine Story, Born Digital Wine Awards
2015	Best Overall Wine Blog Winner, Wine Blog Awards
2015	3 rd Place – Best Investigative/Journalistic Wine Story, Born Digital Wine Awards
2015	Robert Mondavi Winery Fellowship Recipient, Wine Writer's Symposium
2013	The Donnafugata Award for Excellence in Enotourism Communications
2012 & 2013	Wine Blogger's Conference Scholarship Recipient
2010	Ann Warrick Lacy Scholarship, Monticello Garden Club
2010	UVA Department of Environmental Sciences Exploratory Grant
2004	Sigma Xi Research Society Inductee
2003	Clare Booth Luce Research Grant Recipient
2003	Lake Champlain Research Consortium Grant Recipient
2000-2004	Dean's List, four semesters
2000-2004	Saint Michael's College Scholarship & Saint Michael's Parish Scholarship