

# Erika Szymanski

Chisholm House, High School Yards, Edinburgh EH1 1LZ  
0792 643 8739 ◦ szymanskiea@hotmail.com

## Academic positions

Research Fellow, "TRANSGENE" Jan 2018-	Jan 2018 -
Research Fellow, "Engineering Life" <i>Science, Technology, and Innovation Studies, University of Edinburgh</i>	May 2016-Dec 2017
<i>Both positions full-time, research-only, short-term contracts</i>	

## Education

PhD, Science Communication Centre for Science Communication, University of Otago <i>Submitted April 2016, awarded May 2017</i>	2017
Masters of Arts, Rhetoric and Composition English Department, Washington State University	2013
Masters of Science, Microbiology Department of Microbiology/Immunology, University of Rochester	2008
Bachelor of Science, Molecular Biology, Summa Cum Laude Grove City College, Grove City, PA	2004

## Publications

- Szymanski, E. A., & Calvert, J. (2018). Designing with living systems in the synthetic yeast project. *Nature Communications*. In press.
- Szymanski, E. A. (2018). What is the terroir of synthetic yeast? *Environmental Humanities*, 10(1), 40-62.
- Szymanski, E. A. (2018). Who are the users of synthetic DNA? Using metaphors to activate microorganisms at the center of synthetic biology. *Life Sciences, Society, and Policy*. 14(15). doi:10.1186/s40504-018-0080-3
- Szymanski, E. A. Remaking yeast: Metaphors as scientific tools in *S. cerevisiae* 2.0. *BioSocieties*. In press.
- Szymanski, E. A. Synthesizing yeast in popular media accounts of the *Saccharomyces cerevisiae* 2.0 project. In Sarah Davies & Ulrike Felt (Eds.), *Exploring science communication: A science and technology studies approach*. Under contract with SAGE.
- Szymanski, E.A. (2016). Enacting multiple audiences: Science communication texts and research-industry relationships in the New Zealand wine industry. *Science Communication*. 38(6), 724-745.
- Szymanski, E.A. (2016). Constructing relationships between science and practice in the written science communication of the Washington state wine industry. *Written Communication*. 33(2), 184-215.
- De Olde, E.M., Moller, H., Marchand, F., ... **Szymanski, E.A.**,... & Manhire, J. (2016). When experts disagree: The need to rethink indicator selection for assessing sustainability of agriculture. *Environment, Development, and Sustainability*. doi:10.1007/s10668-016-9803-x.

Szymanski, E.A. (2016). Extension resource use among Washington State winemakers and growers: A case for focusing on relevance. *Journal of Extension*. 54(1), 1FEA2.

Szymanski, E.A., & Davis, L. (2015). Wine science in the Wild West: Information-seeking behaviors and attitudes among Washington state winemakers and growers. *Journal of Wine Research*. 26(4), 270-286.

Szymanski, E.A. (2014). Instructor feedback in upper-division biology courses: Moving from spelling and syntax to scientific discourse. *Across the Disciplines*. 11(2).

*Selected for The Best of the Independent Journals in Rhetoric and Composition 2015, Parlor Press.*

Szymanski, E.A. (2013). Synthesis notes: Working with sources to create a first draft. *Writing Commons*.

Jamburuthugoda VK, Skasko M, Operario DJ, Purohit V, Chugh P, **Szymanski EA**, Wedekind JE, Bambara RA, & Kim B. (2008). Reduced dNTP binding affinity of 3TC-resistant M184I HIV-1 reverse transcriptase variants responsible for viral infection failure to macrophage. *Journal of Biological Chemistry*. 283(14), 9206-16.

Sakai A, Koga T, Lim JH, Jono H, Harada K, **Szymanski E**, Xu H, Kai H, Li JD. (2007). The bacterium, nontypeable *Haemophilus influenzae*, enhances host antiviral response by inducing Toll-like receptor 7 expression: evidence for negative regulation of host anti-viral response by CYLD. *FEBS Journal*. 274(14), 3655-68.

## **Research funding**

University of Western Australia Research Collaboration Award, with I. Zurr, O. Catts, S. Rosser, A. Elfick, & J. Calvert. (AU\$24,220)

New Zealand Sustainability Dashboard, 2015 (\$6000)

Washington State University Viticulture & Enology Extension, 2015 (\$3737)

University of Otago International Doctoral Scholarship, 2013-2016 (NZ\$93,000)

NIH/NIDCD F30 DC009128-01 Ruth Lawrence Kirchstein-NRSA individual pre-doctoral fellowship for MD/PhD trainees, "CYLD as a negative regulator for MUC5AC in NTHi-induced otitis media," 2007-2009 (\$1,200,000)

## **Teaching**

**Co-convener** for Social Dimensions of Systems and Synthetic Biology, University of Edinburgh, 2018

**Instructor of record** for the following courses at Washington State University:

Technical and Professional Writing (online section), summer 2013

Technical and Professional Writing, summer 2012

First-year composition, spring 2012

First-year composition tutorial, fall 2011 and spring 2012

**Invited postgraduate workshop** in science writing, California State University, Fresno, August 2013

## **Selected invited lectures**

"Asking questions about science communication" – Social Dimensions of Systems and Synthetic Biology (post-graduate); Edinburgh, Science, Technology, and Innovation Studies, March 2017

“Designing on/with/around synthetic yeast” – Bio-design Challenge (post-graduate); Edinburgh College of Art and University of Edinburgh School of Biological Sciences, March 2017

“Interdisciplinary thinking in science and technology studies and synthetic biology.” Design Informatics (post-graduate); Edinburgh College of Art, October 2016

“SCRaMbLEing the social: A safe space for strange questions” with Jane Calvert; Synthetic Genome Summer Course, Edinburgh, July 2016

## **Selected presentations**

### **Conference presentations**

“Microbes as companion species.” Science In Public, Sheffield, July 2017

“Yeast as a research object: past, present, and future” with Jane Calvert, Miguel Garcia-Sancho, and Niki Vermeulen. British Society for the History of Science Annual Meeting, York, July 2017

“Social dimensions of synthetic yeast.” Sc2.0 meeting, Singapore, June 2017

“Metaphors as arguments in the peer-reviewed literature of the synthetic yeast project.” Symposium on Metaphors and Synthetic Biology, Nottingham, May 2017

“What is the terroir of synthetic yeast?” Food Research In Edinburgh (FRIED) 2017 seminar series, Edinburgh, January 2017

“What is the terroir of synthetic yeast?” Symposium of Australian Gastronomy, Melbourne, December 2016

“Toward an inherently collaborative rhetoric of science communication.” 4S/EASST Joint Conference, Barcelona, September 2016

“Sc2.0 in context: postcards from a different species” with Jane Calvert, Emma Frow, and Debra Mathews. 5<sup>th</sup> Sc2.0 & Synthetic Genomes Conference, Edinburgh, July 2016.

“Science communication as a globalizing force in wine's New World.” Agri-Food Conference, Queenstown, NZ, December 2015

“Research utilization as external expert review in the wine industry.” Annual Meeting of the Society for Social Studies of Science, Denver, CO, November 2015

“Disciplinary discourse education in WAC: A path toward transdisciplinarity.” Rocky Mountain Modern Language Association, Vancouver, WA, 2013

“Science writing as a second language: how are science professors helping the transition from student writing to science writing?” International Writing Across the Curriculum Conference, Savannah, GA, 2012

### **Knowledge exchange and outreach**

Pint of Science, Edinburgh, May 2018

Invited speaker, Big Bang Science Weekend, Wigtown, February 2018

Global Food Security Policy Lab on Multi-functional Landscapes, London, March 2017

### **Workshops**

Workshop co-conver, “The end of synthetic biology? What futures?” Edinburgh, December 2017

Lead convener, workshop on “(Post)graduate STS by other means”, Barcelona, August 2017

Session co-convener and participant, Synthetic Genome Summer Course, Edinburgh, July 2016

## **Service**

## **Professional service**

Student representative, Society for Social Studies of Science, 2015-2018

## **University and departmental service**

Staff web officer, Science, Technology, and Innovation Studies, 2017-

PhD student representative, Centre for Science Communication, 2014-2016

Vice President, Work/Life Committee, Washington State University, 2012-2013

Secretary, English Graduate Organization, Washington State University, 2012-2013

## **Selected community service**

Editor, Blueskin Resilient Energy Trust *Cuppa Tea*, 2015-2016

Outreach volunteer, Otago Farmers Market, 2015-2016

Subeditor, Blueskin Bay News, 2014-2016

Educational tour coordinator and sustainability columnist, Moscow Food Co-op, 2010-2013

## **Professional practice**

Freelance academic editor (PhD diss., MA theses, articles, edited collections) 2012-2016

Wine science blogger at *wineoscope.com*, 2010-present

Freelance wine science writer for *Palate Press*, *Wine Business Monthly*, *Wine-Searcher.com*, and occasional other publications.

## **Related employment**

Science columnist

*Palate Press: The online wine magazine* 2010-2016

Technical writer, Department of Enology and Viticulture  
California State University, Fresno

2013

Assistant director, Avery Microcomputer Lab  
English Department, Washington State University

2012-2013

Research assistant

Holland and Terrell libraries, Washington State University

2012-2013

## **Selected honors and awards**

2015 Born Digital Wine Award, "Best Investigative/Journalistic Story"

M.A. Outstanding Seminar Essay, Washington State University Department of English, 2013  
("The post-human in Twain's last story: No. 44, New Series 864,962 as cyborg")

HASTAC Scholar, Washington State University Department of English, 2012-2013

Louis Roederer Emerging Wine Writer of the Year, 2012

Shafer Vineyards Fellowship, The Symposium for Professional Wine Writers, 2012

Susan H. McLeod Writing Across the Curriculum Travel Award, 2012