

# Regina Nuzzo

*Statistician, Journalist, Communicator, Professor*

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## education

degrees	Ph.D. <b>Stanford University</b> , Statistics	2003
	B.S. <b>University of South Florida</b> , Industrial Engineering	1996
other graduate training	Graduate certificate, <b>University of California-Santa Cruz</b> , Science Communication	2004

## professional experience

academic	Professor/Associate Professor/Assistant Professor Department of Science, Technology & Mathematics Department of Psychology <b>Gallaudet University</b> , Washington DC	2006 - present
	Post-doctoral Fellow Centre de Recherches Mathématiques <b>McGill University</b> , Montreal, Quebec, Canada	2002 - 2003
	Biostatistics and Epidemiology Instructor <b>Stanford University Medical School</b> , Palo Alto, California	2001 - 2002
	Graduate Teaching Assistant <b>Stanford University Department of Statistics</b> , Palo Alto, California	1996 - 2002
communication	<b>Freelance Journalist and Writer</b> Experience with features, profiles, news, and service stories for magazines and newspapers. Specialties: statistics, probability, data analysis, medicine, health, and the scientific research process.	2006 - present
	Science Writer <b>National Academy of Sciences</b>	2005 - 2006
	Science Journalism Fellow <b>Department of Energy's Idaho National Environmental Laboratory</b>	2004
	Science Journalism Intern <b>Monterey County Herald</b>	2003 - 2004
selected consultancies	<b>Consultant, U.S. Department of Health and Human Services</b> Developed "Creating Reasonable Doubt: Communicating Statistical Information in Quantitative Research" workshop delivered to Office of Planning, Research & Evaluation, Administration for Children and Families (with Paaige Turner, Dean of Ball State University School of Communication), May 2018.	

**Consultant, Massachusetts Institute of Technology Knight Science Journalism Fellowship Program**

Developed and presented full-day workshop, "Statistics for Science Journalists," to Knight Science Journalism Fellows (with Rebecca Goldin), January, 2017.

**Consultant, American Statistical Association**

Planned and facilitated two-day policy workshop for p-values scholars on building consensus, and coordinated writing the ASA Statement on P-Values (with ASA Executive Director Ron Wasserstein), ["The ASA's statement on p-values: context, process, and purpose."](#) *The American Statistician*, November 2015

**Consultant, George Washington School of Media and Public Affairs**

Developed and presented sessions for two-day workshop on public engagement of science for George Washington University, Washington, D.C., April 13-14, 2015.

**Writer, Reader's Digest**

Researched and wrote "News from the World of Medicine" monthly column, 2012 - 2013.

scholarly & creative  
products:

data, probability, &  
statistics

popular press

Nuzzo, Regina. ["When courtroom science goes wrong — and how stats can fix it."](#) Comics. *Knowable Magazine*, October 2018. (with artist Maki Naro)

Nuzzo, Regina. ["Theodore Anderson, mathematician who advanced data analysis, dies at 98."](#) Obituaries. *New York Times*, October 9, 2016.

Nuzzo, Regina. ["How scientists fool themselves – and how they can stop."](#) News Features. *Nature*, October 7, 2015.

Nuzzo, Regina. ["Scientists Perturbed by Loss of Stat Tools to Sift Research Fudge from Fact."](#) The Sciences. *Scientific American*, April 16, 2015.

Nuzzo, Regina. ["Chance: Peace talks in the probability wars."](#) *New Scientist*, Physics Features. March 2015.

Van Noorden, Richard, Brendan Maher, and Regina Nuzzo. ["The top 100 papers."](#) *Nature News* 514, no. 7524 (2014): 550.

Nuzzo, Regina. ["The Future of Election Forecasting."](#) The Sciences. *Scientific American*, November 1, 2014.

Nuzzo, Regina. ["Scientific Method: Statistical Errors."](#) News Features. *Nature*, February 12, 2014.

Nuzzo, Regina. ["Nabbing Suspicious SNPs."](#) Features: Biomedicine, Genes & Cells. *Science News*, June 21, 2008, Vol. 173, Issue No.19.

Nuzzo, Regina. ["Seeing the Pattern."](#) Profiles. *CR Magazine*, Spring 2008, Vol. No. 3, Issue No. 2.

trade press and journals    Nuzzo, Regina L. ["Percent Differences: Another Look."](#) *Physical Medicine & Rehabilitation* 10, no. 6 (2018): 661-664

Nuzzo, Regina L. ["An Introduction to Bayesian Data Analysis for Correlations."](#) (2017): 1278-1282.

Nuzzo, Regina L. ["Randomization Test: An Alternative Analysis for the Difference of Two Means."](#) *Physical Medicine & Rehabilitation* 9, no. 3 (2017): 306-310.

Nuzzo, Regina L. ["Statistical power."](#) *Physical Medicine & Rehabilitation* 8, no. 9 (2016): 907-912.

Nuzzo, Regina L. ["The box plots alternative for visualizing quantitative data."](#) *Physical Medicine & Rehabilitation* 8, no. 3 (2016): 268-272.

Nuzzo, Regina L. ["The inverse fallacy and interpreting P values."](#) *Physical Medicine & Rehabilitation* 7, no. 3 (2015): 311-314.

Nuzzo, Regina. ["The Golden Age of Public Databases: Speeding Biomedical Discovery."](#) Features. *Biomedical Computation Review*, Fall 2008, Vol. 4, Issue No. 4.

Nuzzo, Regina. ["On Simulating Growth and Form."](#) Features. *Biomedical Computation Review*, Spring 2008, Vol. 4, Issue No. 2.

Nuzzo, Regina. ["Computing the Ravages of Time: Using algorithms to analyze Alzheimer's Disease."](#) Features. *Biomedical Computation Review*, vol. 3 issue 3, Fall 2007.

Nuzzo, Regina. ["Parsing PubMed."](#) News Bytes. *Biomedical Computation Review*, vol. 3 issue 1, Winter 2006/2007.

Nuzzo, Regina. ["Computational biomechanics: taking strides toward patient care,"](#) Features. *Biomedical Computation Review*, vol. 3 issue 1, Winter 2006/2007.

Nuzzo, Regina. ["Brain Chips."](#) News. *Biomedical Computation Review*, vol. 2 issue 4, Fall 2006.

Nuzzo, Regina. ["Neurocomputation of Music, Faces, and Belly Laughs."](#) News Bytes. *Biomedical Computation Review*, vol. 2 issue 4, Fall 2006.

Nuzzo, Regina. ["Profile of William D. Nordhaus."](#) *Proceedings of the National Academy of Sciences* 103 no. 26 (2006): 9753-9755.

Nuzzo, Regina. ["Profile of Giorgio Parisi."](#) *Proceedings of the National Academy of Sciences* 103, no. 21 (2006): 7945-7947.

Nuzzo, Regina. ["Profile of David W. McLaughlin."](#) *Proceedings of the National Academy of Sciences* 103, no. 20 (2006): 7539-7541.

Nuzzo, Regina. ["Profile of George Oster."](#) *Proceedings of the National Academy of Sciences* 103, no. 6 (2006): 1672-1674.

Nuzzo, Regina. ["Profile of Stephen H. Schneider."](#) *Proceedings of the National Academy of Sciences* 102, no. 44 (2005): 15725-15727.

- refereed journal articles    Dodson, Kelley M., Susan H. Blanton, Katherine O. Welch, Virginia W. Norris, Regina L. Nuzzo, Jacob A. Wegelin, Ruth S. Marin, Walter E. Nance, Arti Pandya, and Kathleen S. Arnos. "[Vestibular dysfunction in DFNB1 deafness.](#)" *American Journal of Medical Genetics Part A* 155, no. 5 (2011): 993-1000.
- Levitin, Daniel J., Regina L. Nuzzo, Bradley W. Vines, and J. O. Ramsay. "[Introduction to functional data analysis.](#)" *Canadian Psychology/Psychologie canadienne* 48, no. 3 (2007): 135.
- Vines, Bradley W., Regina L. Nuzzo, and Daniel J. Levitin. "[Analyzing Temporal Dynamics in Music:: Differential Calculus, Physics, and Functional Data Analysis Techniques.](#)" *Music Perception: An Interdisciplinary Journal* 23, no. 2 (2005): 137-152.
- Bhamre, Suvarna, Regina Nuzzo, John Whitin, Richard Olshen, and Harvey Cohen. "[Intracellular reduction of selenite into glutathione peroxidase. Evidence for involvement of NADPH and not glutathione as the reductant.](#)" *Molecular and cellular biochemistry* 211, no. 1-2 (2000): 9-17.
- refereed conference papers    Vines, Bradley W., Marcelo M. Wanderley, Carol L. Krumhansl, Regina L. Nuzzo, and Daniel J. Levitin. "[Performance gestures of musicians: What structural and emotional information do they convey?.](#)" In *International Gesture Workshop*, pp. 468-478. Springer, Berlin, Heidelberg, 2003.
- Vines, B. W., R. L. Nuzzo, and D. J. Levitin. "Functional data analysis: techniques for exploring temporal processes in music." In *Proc. International Conference on Music Perception and Cognition (ICMPC)*, pp. 553-554. 2004.
- conference presentations    Nuzzo, Regina. "How to increase statistical literacy by thinking like a journalist." Presented at the Joint Statistical Meetings, Vancouver, BC, Canada, July 2018.
- Nuzzo, Regina. "Why the media are uncomfortable with uncertainty, and what statistics can do to fix that." Presented at the World Statistics Congress, Marrakech, Morocco, July 2017.
- Nuzzo, Regina, Turner, Paaige, and Vraga, Emily. "Framing and Communicating Scientific Knowledge." Presented at the Symposium on Statistical Significance, American Statistical Association, Washington, DC, November 2017
- Nuzzo, Regina. "Statistics and Data Science Communication: Tips and Tricks for a New Model of Engagement." Presented at the Women in Statistics and Data Science conference, La Jolla, CA, October 2017.
- Nuzzo, Regina. "Ergonomics of Data Analysis in Research: Another lens on research reproducibility." Presented at the Joint Conference on Biometrics and Biopharmaceutical Statistics, Medical University of Vienna, Vienna, Austria, August 2017.
- Nuzzo, Regina. "The ASA Statement on P-Values and Statistical: Development and Impact." Presented at the Royal Statistical Society 2016 Conference, Manchester, England, September 2016.

Nuzzo, Regina. "Problems with P-value Reform: Who can we blame?" Presented at the Joint Statistical Meetings, Chicago, IL, August 2016.

Nuzzo, Regina. "Data Journalism: Who needs statisticians?" Presented for the late-breaking session at the Joint Statistical Meetings, Chicago, IL, August 2016.

Ramsay, James and Nuzzo, Regina. "Functional Analysis of Music Data." Presented at the Statistical Society of Canada Annual Meeting, Halifax, Nova Scotia, Canada, June 2003.

Ramsay, James and Nuzzo, Regina. "Functional Data Analysis for Pharmacokinetic Data." Presented at the Institute of Mathematical Statistics Annual Meeting, Banff, Alberta, Canada, July 29, 2002.

## other science

- popular press
- Nuzzo, Regina. "[What happens when scientists experiment on themselves?](#)" Health Features. *Reader's Digest*, 2014.
- Nuzzo, Regina. "[Straight from the horse's nose.](#)" *Science*. *ESPN the Magazine*, May 28, 2014.
- Nuzzo, Regina. "[Family history wins gene debate.](#)" *Nature* 509, no. 7501 (2014): 403.
- Nuzzo, Regina. "[Regrown nerves boost bionic ears.](#)" *Nature*, April 23, 2014.
- Nuzzo, Regina. "[Female insect uses spiky penis to take charge](#)", *Nature*, April 17, 2014.
- Nuzzo, Regina. "[The best time to wage cyberwar.](#)" *Nature*, January 13, 2014.
- Nuzzo, Regina. "[Newlyweds' gut feelings predict marital happiness.](#)" *News. Nature*, November 28, 2013.
- Nuzzo, Regina. "[And . . . They're Off!](#)" Child prodigies. *TIME'S Secrets of Genius: Discovering the Nature of Brilliance*, October 2013
- Nuzzo, Regina. "[Standing Strong.](#)" Profiles. *Cancer Today*, Summer, 2013.
- Nuzzo, Regina. "[Online daters do better in the marriage stakes.](#)" *News. Nature*, June 3, 2013.
- Nuzzo, Regina. "[Creepy Creatures Fight Disease, Infection, and More.](#)" Health News. *Reader's Digest*, May, 2013.
- Nuzzo, Regina. "[Can Posture Change Your Mind?](#)" Embodied Cognition. *TIME's Your Body: The Science of Keeping It Healthy*, May 2013.
- Nuzzo, Regina. "[Bigger not always better for penis size.](#)" *News. Nature*, April 8, 2013.
- Nuzzo, Regina. "[Brain scans predict which criminals are more likely to reoffend.](#)" *News. Nature*, March 25, 2013.
- Nuzzo, Regina. "[What to Put On Your Fork.](#)" *TIME's What to Eat Now: Your Guide to Good, Healthy Food*, March 2013.
- Nuzzo, Regina. "[Babies' brains may be tuned to language before birth.](#)" *News. Nature*, February 25, 2013.

Nuzzo, Regina. ["Why tongue twisters are hard to say."](#) News. *Nature*, February 20, 2013.

Nuzzo, Regina. ["Adults with dyslexia improve when pushed to read faster."](#) News. *Nature*, February 12, 2013.

Nuzzo, Regina. ["How Old Are You, Really? Telomeres Explained"](#) Health. *Reader's Digest Magazine*, September 2011.

Nuzzo, Regina. ["Rose-colored glasses may help love last."](#) Health: The mating game column feature. *Los Angeles Times*, July 25, 2011.

Nuzzo, Regina. ["Good Vibrations: U.S. Consumer Web Site Aims to Enhance Sex Toy Safety."](#) Health Features. *Scientific American*, May 24, 2011.

Nuzzo, Regina. ["Online dating secrets, as revealed by math majors."](#) Health: The Mating Game column feature. *Los Angeles Times*, May 23, 2011.

Nuzzo, Regina. ["Cancer Screening Conundrum: Overdiagnosis can lead to unnecessary and risky treatment."](#) Features. *CR Magazine*, Spring/Summer 2010, Vol. 5, Issue No. 2.

Nuzzo, Regina. ["Living Longer."](#) News. *CR Magazine*, Winter 2009, Vol. 5, Issue No. 1.

Nuzzo, Regina. ["A Doctor's Devotion."](#) Features. *CR Magazine*, Fall 2009, Vol. 4, Issue No. 4.

Nuzzo, Regina. ["Stopping antidepressants can cause side effects."](#) Health News. *Los Angeles Times*, August 3, 2009.

Nuzzo, Regina. ["Kara in the Kitchen."](#) Childhood Cancer: Features. *CR Magazine*, Winter 2008/09, Vol. No. 4, Issue No. 1.

Nuzzo, Regina. ["Vying for a soul mate? Psych out the competition with science."](#) Health: Features. *Los Angeles Times*, December 8, 2008.

Nuzzo, Regina. ["Older adults' sexual desires don't have to fade."](#) Health: The Mating Game column feature. *Los Angeles Times*, November 17, 2008.

Nuzzo, Regina. ["Love and infidelity."](#) Health: The Mating Game column feature. *Los Angeles Times*, September 15, 2008.

Nuzzo, Regina. ["Genetic Profiling,"](#) News. *CR Magazine*, Fall 2008, Vol. No. 3, Issue No. 5.

Nuzzo, Regina. ["Use it or lose it: yes, it's true."](#) Health: The Mating Game column feature. *Los Angeles Times*, August 18, 2008.

Nuzzo, Regina. ["Mapping the way to G-spot utopia."](#) Health: The Mating Game column feature. *Los Angeles Times*, July 21, 2008.

Nuzzo, Regina. ["What does gay look like? Science keeps trying to figure that out."](#) Health News. *Los Angeles Times*, June 16, 2008.

Nuzzo, Regina. ["Fat cells: where the action is."](#) Health News. *Los Angeles Times*, June 2, 2008.

Nuzzo, Regina. ["Do I smell sexy?"](#) Health: The Mating Game column feature. *Los Angeles Times*, May 19, 2008.

Nuzzo, Regina. ["Diet books, pound for pound."](#) Health: Features. *Los Angeles Times*, March 10, 2008.

Nuzzo, Regina. "[Science of the orgasm.](#)" Health: Features. *Los Angeles Times*, February 11, 2008.

Nuzzo, Regina. "[Call him Doctor Orgasmatron.](#)" Health. *Los Angeles Times*, February 11, 2008.

Nuzzo, Regina. "[Female orgasms and a 'rule of thumb.'](#)" Health. *Los Angeles Times*, February 11, 2008.

Nuzzo, Regina. "[New Clues to Hereditary Breast Cancer.](#)" News. *CR Magazine*, Fall 2007.

Nuzzo, Regina. "[Flawed Design: Are clinical trials failing promising drugs?](#)" News. *CR Magazine*, Summer 2007.

Nuzzo, Regina. "[Walking: It's good for everything.](#)" Health: Features. *Los Angeles Times*, March 12, 2007.

Nuzzo, Regina. "[Mark of the vampire: an enzyme that may help prevent brain damage in stroke victims.](#)" Health: News. *Los Angeles Times*, Oct. 30, 2006.

trade press and journals

Nuzzo, Regina. "[Brain Folding.](#)" News Bytes. *Biomedical Computation Review*, Summer 2010, Vol. 6, Issue No. 3.

Nuzzo, Regina. "[Hot Bodies a Lure for Unseen Specks.](#)" News Bytes. *Biomedical Computation Review*, Summer 2010, Vol. 6, Issue No. 3.

Nuzzo, Regina. "[Synchronizing Cells.](#)" News Bytes. *Biomedical Computation Review*, Spring 2010, Vol. 6, Issue No. 2.

Nuzzo, Regina. "[Profile of Robert W. Mahley.](#)" *Proceedings of the National Academy of Sciences* 103, no. 15 (2006): 5641-5643.

Nuzzo, Regina. "[Profile of Michael E. Moseley.](#)" *Proceedings of the National Academy of Sciences* 103, no. 13 (2006): 4805-4807.

Nuzzo, Regina. "[Profile of Huda Y. Zoghbi.](#)" *Proceedings of the National Academy of Sciences* 103, no. 9 (2006): 3017-3019.

Nuzzo, Regina. "[Profile of chikashi toyoshima.](#)" *Proceedings of the National Academy of Sciences* 103, no. 5 (2006): 1165-1167.

Nuzzo, Regina. "[Profile of Jeffrey C. Hall.](#)" *Proceedings of the National Academy of Sciences* 102, no. 46 (2005): 16547-16549.

Nuzzo, Regina. "[Profile of John F. Dewey.](#)" *Proceedings of the National Academy of Sciences* 102, no. 43 (2005): 15283-15285.

Nuzzo, Regina. "[Profile of Frans BM de Waal.](#)" *Proceedings of the National Academy of Sciences* 102, no. 32 (2005): 11137-11139.

Nuzzo, Regina. "[Profile of Bruce D. Smith.](#)" *Proceedings of the National Academy of Sciences* 102, no. 27 (2005): 9435-9437.

Nuzzo, Regina. "[Profile of Bruce Alberts: the education president.](#)" *Proceedings of the National Academy of Sciences* 102, no. 26 (2005): 9109-9111.

Nuzzo, Regina. "[Biography of Mark T. Keating.](#)" *Proceedings of the National Academy of Sciences* 102, no. 23 (2005): 8086-8088.

Nuzzo, Regina. "[Biography of Carol W. Greider.](#)" *Proceedings of the*



National Academy of Sciences 102, no. 23 (2005): 8077-8079.

Nuzzo, Regina. "Biography of Douglas T. Fearon." *Proceedings of the National Academy of Sciences* 102, no. 21 (2005): 7415-7417.

Nuzzo, Regina. "Biography of Veerabhadran Ramanathan." *Proceedings of the National Academy of Sciences* 102, no. 15 (2005): 5323-5325.

Nuzzo, Regina. "Biography of George E. Andrews." *Proceedings of the National Academy of Sciences* 102, no. 13 (2005): 4663-4665.

invited lectures,  
presentations, and media  
appearances

Invited presenter, "Statistics Communication: Thoughts on a New Model of Engagement," Pew Research Center "Shop Talk" seminar series, Washington, DC, September 2018

Plenary speaker, "How (not) to fool yourself with p-values and other statistics," American Psychological Association Convention, San Francisco, CA, August 2018.

Invited presenter, "Quantitative Communication: Tips and Tricks," Applied Biostatistical Sciences Network lecture series at the Michigan Institute for Clinical & Health Research, University of Michigan, Ann Arbor, MI, June 2018.

Invited presenter, "Understanding and Communicating P-values," University of Rochester Medical School, Rochester, NY, June 2018.

Invited professional night speaker, "How journalists think about statistics – and how they don't," Advanced Placement Statistics Readers' Conference, Kansas City, MO, June 2018.

Keynote speaker, "Communicating 21st-century public opinion research to skeptical stone-age brains," American Association for Public Opinion Research annual conference, Denver, CO, May 2018.

Invited presenter, "Why writing about statistics is so hard – and how to do it anyway," Washington Statistical Society Seminar Series, Washington, DC, April 2018.

Webinar presenter, "Beyond the P-Value," ExCyte Expert Flow Cytometry professional development series, March 22 2018.

Interviewee, "Prediction by the Numbers," PBS NOVA, 2018.

Invited presenter, "How not to fool yourself with p-values (and other statistics)," Distinguished Lecture Series in Educational Neuroscience, Gallaudet University, Washington, DC, January 2018.

Keynote speaker, "How not to fool yourself with statistics: Cognitive biases & understanding and communicating p-values," at "Statistical standards for scientific discovery in linguistics: a practical introduction" conference, Department of Linguistics, University of Zurich, Switzerland, October 4 2017.

Invited presenter, "How not to fool yourself with p-values and other statistics," Center for Multimodal Imaging Seminar Series, National Institute of Mental Health, Bethesda MD, August 2017.



Lecturer, "How not to fool yourself with p-values," Online Intensive for Brain Science: Imaging and Computation course, June 2017.

Invited panelist, "Workshop on Responsible Communication of Basic Biomedical Research: Enhancing Awareness and Avoiding Hype," Federation of American Societies for Experimental Biology in cooperation with the National Institute of General Medical Sciences (NIGMS), June 2017.

Invited presenter, "Fooling yourself with p-values and other statistics," Bioengineering Seminar Series, Fischell Department of Bioengineering, University of Maryland, April 2017.

Invited presenter, "How (not) to fool yourself with data," Open and Reproducible Neuroscience Workshop, National Institute of Mental Health, March 2017.

Invited presenter, "Problems with P-values," University of Maryland School of Public Health Grand Rounds, April 2016.

Invited presenter, "P-values: Worth an Official Decree?" at Miami University Department of Statistics and Department of Journalism Seminar Series, Oxford, Ohio, March 2016.

Invited presenter, "P-Values: Controversies, Misunderstandings, and Abuses," at George Washington University Department of Epidemiology and Biostatistics Seminar Series, Washington, DC, December 4, 2015.

Invited presenter, "Statistic Meets Science Journalism," Cornell University Department of Statistics Seminar Series, November 2015.

Special speaker, "Communicating Statistics: P-Value Pitfalls, Sensational Science & the Media," American Statistical Association Philadelphia Chapter annual spring dinner, March 2015.

Invited speaker, "Five problems with p-values as illustrated through five stories about sex," Data Community DC Lecture Series, Washington DC, December 11, 2014.

Invited speaker, "Evidence –B(i)ased Medicine," Accademia Nazionale di Medicina meeting "Highlights in ginecologia oncologia," Camogli, Italy, November 28, 2014.

Invited speaker, "Statistical Significance: Problems and Controversies," Council for Responsible Nutrition annual meeting, Laguna Niguel, November 6, 2014.

Invited presenter, "Uncertainty and the P," U.S. Census Bureau Seminar Series, October 30, 2014.

Invited presenter, "The P-Value and Reproducibility," Laboratory of Cellular and Molecular Biology Seminar Series, National Cancer Institute, National Institutes of Health, October 28, 2014.

Guest, NBC's "TODAY Show," discussing science of mating in LA Times article "Vying for a soul mate," December 30, 2008.

Invited presenter, "Differential Equations for Pharmacokinetic Data," Université Laval Department of Mathematics and Statistics Seminar Series, Québec, Canada, January 30, 2003.

## professional service

Invited session co-organizer, "The Ethics of Data Communication" (with Liberty Vittert), World Statistics Congress, Kuala Lumpur, Malaysia, August 2019 (accepted).

Associate Editor, *The American Statistician* Special Issue on Statistical Inference, 2017 - present.

Invited author, "[Tips for Communicating Statistical Significance.](#)" Science, Health, and Public Trust, National Institutes of Health, November 2018.

Statistical Advisory Board, STATS.org, Sense about Science USA, 2016 - present.

Editorial board for the ASA-CRC Book Series "Statistical Reasoning in Science and Society," Chapman & Hall, 2015 - present.

Invited session co-organizer, "The Good, the Bad, and the Ugly: The Future of Statistics and the Public" (with Liberty Vittert), Joint Statistical Meetings, Vancouver, BC, Canada, July 2018.

Invited session co-organizer, "The ergonomics of statistics and data science" (with Liberty Vittert), Joint Statistical Meetings, Vancouver, BC, Canada, July 2018.

Special consultant, *Nature*, 2016 - 2017

Webinar co-presenter, "Communicating statistics to industry and other non-technical audiences" (with Liberty Vittert), American Statistical Association's Committee on Career Development, December 2017.

Co-organizer, "Stats Challenge Wikipedia Editathon" (with Donna Lalonde and Peter Meyer), American Statistical Association, Alexandria VA, November 2017.

Invited session co-organizer, "Telling statistical stories and teaching good data sense to the public" (with John Bailer), World Statistics Congress, Marrakech, Morocco, July 2017.

Session co-organizer, "The ASA Statement on P-Values and Statistical: Development and Impact" (with Ron Wasserstein), session at the Royal Statistical Society 2016 Conference, Manchester, England, September 5, 2016.

Co-organized and presented, "Statistical Tools for Journalists" (with Jonathan Auerbach), DC Science Writers Association and American Geophysical Union, Washington, DC, August 2016.

Working group member, "Statistical ambassadors and media training," American Statistical Association's presidential initiative, 2016 - 2017.

Panel member/speaker, "Statistics Meets Science Journalism: How Jelly Beans Explain Your Sex Life," for "Statistics and the Media" session, Joint Statistical Meetings, Seattle, WA, August 10, 2015.

Co-organizer and speaker, "The Perils of P-Values: How to be Smart when Writing about Statistics" (with Tom Siegfried), National Association of Science Writers conference, Columbus, OH, October, 2014.

Panel member/speaker for "Rising above the noise: Using statistics-based reporting" at the National Association of Science Writers conference, Gainesville, FL, November 2, 2013

Group leader/presenter at ONA dCamp D.C. (design and data camp) at the Washington Post, Washington, D.C., May 11, 2013.

Panelist, Career panel, University of Texas Medical Branch, March 15, 2011.

Full-day workshop co-presenter, "Functional Data Analysis using R" (with James Ramsay), International Meeting of the Psychometric Society, Cagliari, Sardinia, Italy, July 7, 2003.

Reviewer, *Journal of Clinical Epidemiology*, *Nature Methods*, *Philosophies*, *BMJ Open*, *Proceedings of the National Academy of Sciences*, *PLOS ONE*, *PeerJ*, *Journal of the National Cancer Institute*.

memberships    American Statistical Association, National Association of Science Writers, Institute of Mathematical Statistics, International Statistical Institute, Washington Statistical Society, DC Science Writers Association

honors and awards    Outstanding Young Researcher Award, Gallaudet University, 2016.  
Excellence in Statistical Reporting Award, American Statistical Association, 2014.