

Karen R. Zwier

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EDUCATION

Ph.D., History & Philosophy of Science, University of Pittsburgh	2014
M.A., Philosophy, University of Pittsburgh	2011
B.S., Computer Engineering, University of Illinois at Urbana-Champaign	2006
B.A., Philosophy, University of Illinois at Urbana-Champaign	2006

PEER-REVIEWED ARTICLES

Forthcoming. *Miracles: An Exercise in Comparative Philosophy of Religion*, Karen Zwier, David Weddle, Timothy Knepper (Eds.). Springer

Forthcoming. "Providence and Randomness in Christian Thought." In *Abrahamic Reflections on Randomness and Providence*, Kelly James Clark and Jeffrey Koperski (Eds.). Palgrave.

2019. "Temporalization in Causal Modeling." Ch. 9 in *Time and Causality across the Sciences*, Samantha Kleinberg (Ed.). Cambridge: Cambridge University Press, pp. 158-186. (Co-authored with Jonathan Livengood).

2018. "Methodology in Aristotle's Theory of Spontaneous Generation." *Journal of the History of Biology* 51(2): 355-386.

2018. "Introduction to the CEPOS Discussion." *American Catholic Philosophical Quarterly* 92(1): 107-121. (Co-authored with Peter Distelzweig).

2017. "Interventionist Causation in Thermodynamics." *Philosophy of Science*. 84(5): 1303–1315.

2013. "An Epistemology of Causal Inference from Experiment." *Philosophy of Science* 80(5): 660–671.

2012. "The Status of Laws of Nature in the Philosophy of Leibniz." *Proceedings of the American Catholic Philosophical Association* 85: 149–160.

2011. "Dalton's Chemical Atoms versus Duhem's Chemical Equivalents." *Philosophy of Science* 78(5): 842–853.

2011. "John Dalton's Puzzles: From Meteorology to Chemistry." *Studies in History and Philosophy of Science* 42(1): 58–66.

BOOK REVIEWS

2018. Review of *The Believing Scientist: Essays on Science and Religion*, by Stephen M. Barr. *American Catholic Philosophical Quarterly* 92(4): 703–706.

PRESENTATIONS (* = invited)

- * "Abraham and the Locust: Providence and Randomness in Judaism, Christianity, and Islam", *Abrahamic Reflections on Science and Religion*: King Hussein Convention Center, Dead Sea, Jordan, 22 June 2019. (Co-presentation with Shalahudin Kafrawi).

- * “Abraham and the Locust: Providence and Randomness in Judaism, Christianity, and Islam”, Institut Français de Casablanca, 18 June 2019. (Co-presentation with Tyron Goldschmidt and Shalahudin Kafrawi).
- * “Miracles: So What?”, *The Comparison Project 2017–2019 Lecture Series*: Drake University, Des Moines, IA, 9 May 2019.
- * “Simulations of Dynamic Causal Systems: What Can We Learn?”, *Dynamic Causal Modeling Workshop*: University of Illinois at Urbana-Champaign, 13 January 2019.
- “On the Evidentiary Role of Miracles”, *2018 Annual Meeting of the American Academy of Religion*: Denver, CO, 17–20 November 2018.
- * “Abraham and the Locust”, *2018 Abrahamic Science and Religion Workshop*: Ohrid, Macedonia, 17–21 June 2018. (Co-presentation with Tyron Goldshmidt and Shalahudin Kafrawi).
- * “Nothing New Under the Sun: Reclaiming Questions of Causality and Theology”, *2018 Abrahamic Science and Religion Workshop*: Ohrid, Macedonia, 17–21 June 2018. (Co-presentation with Umeyye Isra Yazicioglu).
- * “Miracles: A Philosopher’s Stance”, *The Comparison Project 2017–2019 Lecture Series*: Drake University, Des Moines, IA, 14 September 2017.
- “Interventionist Causation in Thermodynamics”, *Twenty-Fifth Biennial Meeting of the Philosophy of Science Association*: Atlanta, Georgia, 3–5 November 2016.
- “Could Aquinas’ Causes Be Interventionist Causes?”, *Theology and the Philosophy of Science: Analytic, Scholastic, and Historical Perspectives*: Concordia University of Edmonton, 14–15 October 2016.
- * “Can Simulation Count as Experiment in Experimental Philosophy?”, *First Annual META Conference: Beyond Intuition*: University of Illinois at Urbana-Champaign, 7–8 October 2016.
- * “What is Catholic Engagement with Philosophy of Science?”, *Science, Philosophy, and Religious Commitment: Catholic Engagement with Philosophy of Science*: St. Paul, Minnesota, 26–28 June 2016.
- * “Interventionist Causation in Chemical Thermodynamics”, *Twenty-Fourth Biennial Meeting of the Philosophy of Science Association*: Chicago, Illinois, 6–9 November 2014.
- * “The Hidden Causal Content in Physical Theory”, School of Philosophy, Catholic University of America, 31 January 2013.
- “An Epistemology of Causal Inference from Experiment”, *Twenty-Third Biennial Meeting of the Philosophy of Science Association*: San Diego, California, 15–17 November 2012.
- “Experiment as Test of Causal Claims: A History”, *Ninth Biennial Meeting of the International Society for the History Of Philosophy Of Science*: Halifax, Nova Scotia, Canada, 21–24 June 2012.
- “The Status of Laws of Nature in the Philosophy of Leibniz”, *Eighty-Fifth Annual Meeting of the American Catholic Philosophical Association*: St. Louis University, St. Louis, Missouri, 27–30 October 2011.
- “Experiment as Source and Test of Causal Content in Science”, *2nd International Workshop on the Philosophy of Scientific Experimentation (PSX2)*: University of Konstanz, Konstanz, Germany, 21–22 October 2011.
- “Daltons Chemical Atoms vs. Duhems Chemical Equivalents”, *Twenty-Second Biennial Meeting of the Philosophy of Science Association*: Montral, Quebec, 4–6 November 2010.

* “Aristotle on Spontaneous Generation”, *Understanding the Methodology at Work in Generation of Animals: Fifth Pittsburgh/London Workshop on Aristotles Generation of Animals*: University of Western Ontario, London, Ontario, 25–27 May 2010.

“Aristotle’s Practical Syllogism: Putting Human Deliberation into Action”, *Thought and Action in Aristotle and the Aristotelian Tradition*: Marquette University, Milwaukee, Wisconsin, 16–18 June 2009.

“Aristotle’s Syllogism on the Basis of a Hypothesis”, *105th Annual Meeting of the American Philosophical Association, Eastern Division*: Philadelphia, Pennsylvania, 27–30 December 2008.

“John Dalton: From Puzzles to Chemistry by Way of Meteorology”, *History of Science Society Conference*: Pittsburgh, Pennsylvania, 6–9 November 2008.

“Aristotle on Spontaneous Generation”, *Aristotle, Ethics, and Science: A Conference and Graduate Student Workshop*: St. Joseph’s University, Philadelphia, Pennsylvania, 4–5 October 2008.

“The Causal Markov Condition: Should You Choose to Accept It?” *Causality and Probability in the Sciences (CAPITS 2008)*: University of Kent, Canterbury, UK, 10–12 September 2008.

COMMENTARIES

* Synthetic Commentary on Raphael Mary Salzillo, O.P., “On the Empirical Implication of Aristotelian Substance Ontology,” and Amerigo Barzaghi, “Blaise Pascal and the Theology of Nature.” To be given at the *2018 Annual Meeting of the American Catholic Philosophical Association*: San Diego, CA, 8–11 November 2018.

* Commentary on Danny Pearlberg, “Modifying the Interventionist Solution to the Problem of Causal Exclusion.” *Fourteenth Annual Pitt-CMU Graduate Student Philosophy Conference*: University of Pittsburgh, Pennsylvania, 6–7 April 2012.

ACADEMIC EMPLOYMENT

Iowa State University <i>Lecturer</i>	Ames, IA 2018 – present
Drake University <i>Visiting Assistant Professor</i> <i>Adjunct Professor</i>	Des Moines, IA 2017 – 2018 2014 – 2016
University of Pittsburgh <i>Independent Instructor</i> <i>Teaching Assistant</i>	Pittsburgh, PA 2010 – 2012 2007 – 2008

STUDENT ADVISING

Lórien MacEnulty, Trace Johnson, “Modeling Spacetime”, *Drake University Conference on Undergraduate Research in the Sciences (DUCURS)*, 2018.

Chayce Glienke, *Solutions, Overlooked: Applying St. Augustine’s Interpretations of Genesis to Contemporary Engagement of Creationism and Darwinian Evolution* (BA Thesis), 2017.

TEACHING

Iowa State University	
PHIL 230 Moral Theory and Practice	Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020, Winter 2020, Spring 2021
PHIL 343 Philosophy of Technology	Spring 2019, Fall 2019

Drake University

FYS 015	Religion and Science	Fall 2017
PHIL 121 / REL 121 / HONR 121	Comparative Religion	Fall 2017
PHIL 125 / REL 125 / HONR 125	Philosophy of Religion	Spring 2018
PHIL 129 / HONR 129	Philosophy of Science	Spring 2016, Spring 2018
PHIL 151 / HONR 173	Physics and Philosophy	Fall 2015, Spring 2018
PHIL 151 / REL 151 / HONR 148	Religion and Science	Fall 2016, Spring 2015, Spring 2014, Fall 2017

University of Pittsburgh

HPS 0610	Causal Reasoning	Spring 2012, Spring 2011
HPS 0621	Problem Solving: How Science Works	Fall 2011, Fall 2010
HPS 0515	Magic, Medicine, and Science (TA)	Spring 2008
HPS 0437	Darwinism and Its Critics (TA)	Fall 2007

FELLOWSHIPS, AWARDS, GRANTS

Routledge, Taylor & Francis Prize (awarded to two best published articles in philosophy written by adjunct professors) for article “Interventionist Causation in Thermodynamics” (2018)

Research Fellow for “Models of Providence: An Abrahamic Inquiry”, Kaufman Interfaith Institute, Grand Valley State University (2016–2019)

Provost Development Dissertation Fellowship, University of Pittsburgh (2012–2013)

Arts & Sciences Graduate Fellowship, University of Pittsburgh (2006–2007, 2008–2009, 2009–2010)

HPS Department Teaching Excellence Award, University of Pittsburgh (Fall 2007, Spring 2008)

Wesley Salmon Fund Grant (For archival research on John Dalton at John Rylands Library at the University of Manchester, 2008)

Jules D. Falzer Scholarship (2005–2006)

United Conveyor Foundation Scholarship (2001–2003, 2005–2006)

Illinois General Assembly Scholarship (2000–2001, 2005–2006)

Mary Chow Scholarship (2001–2002)

Women in Engineering Distinguished Scholar Award, University of Illinois (2000)

PROFESSIONAL SERVICE

Webmaster, Philosophy of Science Association Women’s Caucus (2015–2020)

Co-organizer, CEPOS satellite sessions at 2018 Annual ACPA meeting, San Diego, CA, 8–11 November 2018

Interim Director, *The Comparison Project*, Drake University, 2017–18

Co-organizer, CEPOS satellite sessions at 2017 Annual ACPA meeting, Dallas, TX, 16–19 November 2017

Co-organizer, *Science, Philosophy, and Religious Commitment: Catholic Engagement in Philosophy of Science*, University of St. Thomas, St. Paul, MN, 26–28 June 2016

Working Group on the Sciences and Humanities, Drake University (2015–2018)

Judge for National Speech & Debate Association “Big Questions” Debate (2015)

