

**WILLIAM GOODWIN  
CURRICULUM VITAE**

11833 Skylake Place

## **PUBLICATIONS**

- 1) “Conflicting Conceptions of Construction in Kant’s Philosophy of Geometry”  
*Perspectives on Science* (January-February 2018) 26(1): 97-118.
- 2) “Wheat can become Rye” in



29) "Explanation in Organic Chemistry" in

- “Structure, Function, and Protein Taxonomy,” to ProBio Group, University of Exeter, Exeter, UK, December 2015.
- “Volatile Spirits: Scientists and Society in Gulliver’s Third Voyage,” to the Biological Interest Group, University of Exeter, Exeter, UK, December 2015.
- “Kant and Diagrammatic Reasoning,” at TRiP 2015: Pictures and Proofs, Columbia SC, March 2015.
- “Missing the Forest for the Fish,” with Eric Winsberg, at PSA 2014, Chicago, November 2014.
- “Triumphs of Normal Science: Tales from 20<sup>th</sup> Century Chemistry” Center for the Philosophy of Science Annual Lecture Series, University of Pittsburgh, February 2014.
- “Revolution and Progress in Medicine” Philosophy of Medicine Roundtable, New York, November 2013.
- “Gaining a Foothold: Integrating Novel Concepts into the Experimental Life of Organic Chemistry” SPSP, Toronto, June 2013
- “The Social Resolution of a Controversy of Articulation: A Case Study from Chemistry” at University of South Florida, January, 2013.
- “Quantum Chemistry and Organic Theory” at PSA 2012, San Diego, November 2012.
- “The significance of structure: quantum chemistry and organic synthesis” at *Structure in Chemistry*, Institute of Advanced Study, Durham University, Durham, UK, July 2012.
- “Visual Representations of Structure and the dynamics of scientific modeling” at *Structure in Chemistry: A One-Day Workshop*, Chemical Heritage Foundation, Philadelphia, April 2012.
- “Experiments and Theory in the Preparative Sciences” at the 2nd International Workshop on the Philosophy of Scientific Experimentation, University of Konstanz, October 2011.
- “What is the Philosophy of Science and why should you care about it?” Department of Philosophy and Religion, Rowan University, April 2011.
- “Model Dynamics: The Development of Mechanistic Models of Chemical Reactions.” Poster presented at Epistemology of Modeling and Simulation, Pittsburgh, April 2011.
- “Structure, Function, and Protein Taxonomy” at PSA 2010, Montreal, November 2010.
- “Resolving a Controversy: The Non-Classical Ion Debate” at The Chemical Heritage Foundation, November 2010.
- “Resolving a Controversy: The Non-Classical Ion Debate” at &HPS3, Bloomington, September 2010.
- Commentator on Owen Flanagan’s “The Really Hard Problem: Meaning in a Material World” at the conference, “The Meaning of Life” at Swarthmore College, April 2010.
- “What is the Philosophy of Science and why should you care about it?” at University of the West Indies – St. Augustine, March 2010.
- Co-Chair (w/ Miriam Solomon) of the symposium, “The Medical Humanities” at Temple University School of Medicine, November 2009.
- “How does the Theologizing of Physics Contribute to Global Warming?” Department of Philosophy and Religious Studies, Rowan University, November 2009.
- “The ‘Passes-For’ Fallacy and the Future of Critical Thinking in the Humanities” Department of Philosophy, Swarthmore College, October 2009.

- “Sustaining a Controversy: The Non-Classical Ion Debate” International Society for the Philosophy of Chemistry, Chemical Heritage Foundation, August 2009.
- “Global Climate Modeling as Applied Science” Models and Simulations III, Charlottesville, March 2009.
- “Kant’s Revolution in the Philosophical Foundations of Mathematics” Department of Philosophy, Wellesley College, January 2009.
- “The ‘Passes-For’ Fallacy” Eastern Division Meeting of the APA, Philadelphia, December 2008.
- “Comments on ‘Macromolecular Pluralism’ by Matthew Slater” Eastern Division Meeting of the APA, Philadelphia, December 2008.
- “How does the Theologizing of Physics Contribute to Global Warming?” Department of Philosophy, Haverford College, December 2008.
- “How do Structural Formulas Embody the Theory of Organic Chemistry?” PSA 2008, Pittsburgh, November 2008.
- “How does the Theologizing of Physics Contribute to Global Warming?” International Association for Environmental Philosophy, Pittsburgh, October 2008.
- Panelist on the topic, “Why integrate the history and philosophy of science?” Conference in Integrated History and Philosophy of Science, University of Pittsburgh, October 2007.
- “Scientific Understanding and Synthetic Design”, International Society for the Philosophy of Chemistry, University of San Francisco, August 2007.
- “Kant’s Philosophy of Geometry”, Department of Philosophy, George Washington University, March 2007.
- “Visual Representations in Science”, PSA 2006, Vancouver, November 2006.
- “Coffa’s Kant and the Evolution of Accounts of Mathematical Necessity”, Sixth International History of Philosophy of Science Congress, Paris, June 2006.
- “What is the Philosophy of Mathematics?”, Department of Mathematics, Swarthmore College, April 2006.
- “Diagrams and Explanation in Organic Chemistry”, Scientific Images: Learning from Pictures, Virginia Tech, April 2006.
- “Scientific Understanding and the Ingold/Robinson Revolution in Organic Chemistry”, International Society for the Philosophy of Chemistry, University of Tennessee at Knoxville, August 2005.
- “Explanation, Understanding, and Mechanism in Organic Chemistry”, Philosophy Department, Montclair State University, February 2005.
- “Kant’s Account of Mathematics: Metaphilosophy and Syntheticity”, Philosophy Department, Washington University in St. Louis, February 2005.
- “Kant’s Account of Mathematics: Metaphilosophy and Syntheticity”, Philosophy Department, Swarthmore College, January 2005.
- “Explanation, Understanding, and Mechanism in Organic Chemistry”, Philosophy Department, The University of Chicago, January 2005.
- “Syntheticity and Generality in Kant’s Philosophy of Geometry”, The History of the Philosophy of Science Working Group—5th Congress, San Francisco, June 2004.

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- Philosophy of Science (two classes) Fall 2009

Philosophy, Swarthmore College

- Philosophy and the Environment Spring 2009
- Logic Fall, Spring 2008
- Lies, B.S., and Bias Fall 2007, 2008
- Kant: Critique of Pure Reason Fall 2008
- Introduction to the History and  
Philosophy of Science (Writing Course) Fall 2006, Spring 2008
- Philosophy and the Environment Spring 2008
- From Classical Empiricism to Transcendental  
Idealism (Locke, Berkeley, Hume, and Kant) Fall 2007
- Contemporary Analytic Philosophy Spring 2007
- Seminar in the Philosophy of Science Fall 2006
- Intro to the History and Philosophy of Science Spring 2006
- Knowledge and Reality Fall 2005

Management Studies, University of the West Indies, St. Augustine

- Philosophy of Science Spring 2009-2013

Philosophy, Virginia Tech

- Knowledge and Reality (large lecture) Spring 2005, 2004
- Contemporary Kantian Approaches  
to Metaphysics (graduate seminar) Spring 2005
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**As Teaching Assistant:**

*Philosophy, UC Berkeley*

- Metaphysics
- Philosophy of Physics
- Epistemology
- History of Modern Philosophy
- Philosophy of Science
- Formal Logic (twice)

Instructor: Stroud  
Instructor: Bacciagaluppi  
Instructor: Khatchirian  
Instructor: Broughton  
Instructor: Ryckman  
Instructors: Warren/Mancosu

*Mathematics and Chemistry, UC Berkeley*

- Vector Calculus
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