

Curriculum Vitae

Robert J. Richards

9/2018

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Married: Wife, Barbara

Advanced Degrees:

Ph.D., History of Science (The University of Chicago)
M.A., Biological Psychology (The University of Nebraska)
Ph.D., Philosophy (St. Louis University)

Appointments at The University of Chicago:

Distinguished Service Professor, 2011

Morris Fishbein Professor of the History of Science and Medicine, 2004

Professor, 1991-
(Associate Professor, 1984-91; Assistant Professor, 1979-84)
Department of History
Conceptual and Historical Studies of Science
Department of Psychology
Department of Philosophy

Director, Fishbein Center for the History of Science, 1992-
Chair, Conceptual and Historical Studies of Science, 1984-94, 1998-1999, 2002-2003, 2005-
2006, 2008-2009, 2012-2013.
Director, B.A. Program in History, Philosophy, and Social
Studies of Science and Medicine, 1982-

Visiting Teaching:

Department of History of Science, Harvard University, Spring, 1983
Grinnell College, Mellon Professor, fall, 2007.

Honors:

Distinguished Lecturer for the History of the Human Sciences, History of Science Society, 2016
Sarton Medal for distinguished scholarship, History of Science Society, 2011
Distinguished Service Professor, 2011
Laing Prize, University of Chicago Press, for *The Tragic Sense of Life*, 2011
Corresponding Member, Akademie der Wissenschaften zu Göttingen, 2010
Simon Guggenheim Memorial Fellowship, 2004-2005
Ryerson Memorial Lecturer, University of Chicago, 2005
The Morris Fishbein Chair in the History of Science and Medicine, 2004
The Laing Prize, University of Chicago Press, for *The Romantic Conception of Life*, 2003
The University of Chicago Award for Excellence in Graduate Student Teaching, 1995
The Llewellyn John and Harriet Manchester Quantrell Award for Excellence in Undergraduate Teaching, 1982
Pfizer Prize of the History of Science Society for the best book in the previous three years in history of science, 1988; give for *Darwin and the Emergence of Evolutionary Theories of Mind and Behavior*
Award of the International BioPhilosophy Forum (Belgium) for *Darwin and the Emergence*, 1989.
Fidia Lecturer, Harvard University, 1989.

Research Fellowships and Grants:

Templeton Foundation, 2011-2013
Simon Guggenheim Memorial Fellowship, 2004-2005
National Science Foundation Senior Research Fellowship, 2004-2005
Senior Fellow, Max Planck Institut für Wissenschaftsgeschichte, Berlin (2000)
Dibner Research Fellow, at the Dibner Institute, M.I.T. (1995-1996)
Fellow, Stuttgart Seminar in Cultural Studies (1995)
National Endowment for the Humanities, Interpretative Research (1989-1993)
National Science Foundation (1989-1992)
IREX (International Research and Exchanges Board), 1988
Social Sciences Research Grants, University of Chicago, 1988
Center for Advanced Study in the Behavioral Sciences, Stanford California (1986)
Andrew Mellon Faculty Fellowship, Harvard University (1982-1983)
National Science Foundation (1981-1983)
American Philosophical Society (1981-1982)
National Institutes of Health (1981-1982)
Spencer Foundation Seed Grant (1979-1980)

Robert J. Richards

Current Research, Publications, and Papers

Current Research: *The Biology of the Unconscious.*

Books:

Debating Darwin, co-authored with Michael Ruse (Chicago: University of Chicago Press, 2016)

Was Hitler a Darwinian? Disputed Questions in the History of Evolutionary Theory (University of Chicago Press, 2013)

The Tragic Sense of Life: Ernst Haeckel and the Struggle over Evolutionary Thought (Chicago: University of Chicago Press, 2008; Paperback, 2009); 571 pp. (Winner of the University of Chicago Press Laing Prize, 2011).

The Romantic Conception of Life: Science and Philosophy in the Age of Goethe (Chicago: University of Chicago Press, 2002). 606 pp. (Winner of the University of Chicago Press Laing Prize, 2004). Paper back edition, 2004.

The Meaning of Evolution: the Morphological Construction and Ideological Reconstruction of Darwin's Theory (Chicago: University of Chicago Press, 1992; paperback, 1993). 203 pp. Spanish language edition, published by Alianza, 1998.

Darwin and the Emergence of Evolutionary Theories of Mind and Behavior (Chicago: University of Chicago Press, 1987; paperback, 1989), 700 pp. (Winner of the 1988 Pfizer Prize awarded by the History of Science Society for the best book in history of science; and the prize of the Biophilosophy Form, 1989). Selections reprinted in: *Science and the Quest for Reality*, ed. A. Tauber (New York: Macmillan, 1997) *Epistemologia Evolucionista*, ed. S. Martinez (Mexico City: Paidos, 1997)

The Cambridge Handbook of Evolutionary Ethics, eds. Michael Ruse and Robert J. Richards (Cambridge University Press, 2017)

Structure of Scientific Revolutions at 50, edited with Lorraine Daston (University of Chicago Press, 2016)

Cambridge Companion to Darwin's Origin of Species, edited with Michael Ruse (Cambridge: Cambridge University Press, 2008).

Darwinian Heretics, edited with Abigail Lustig and Michael Ruse (Cambridge: Cambridge University Press, 2004)

Published Articles:

"The Beautiful Skulls of Schiller and the Georgian Girl: The Quantitative and Aesthetic Scaling of the Races, 1770-1850," in *Johann Friedrich Blumenbach: Race and Natural History, 1750-1850*, eds. Nicolaas Rupke and Gerhard Lauer (Routledge, 2018).

"Ernst Haeckel, a Dream Transformed," in *Dreamers, Visionaries, and Revolutionaries in the Life Sciences*, eds. Oren Harman and Michael Dietrich (Chicago: University of Chicago Press, 2018)

"Instinct," *Encyclopedia of Animal Cognition and Behavior*, eds. Jennifer Vonk and Todd Shackelford (Springer, 2018)

"The Foundations of Archetype Theory in Evolutionary Biology: Kant, Goethe, and Carus," *Republic of Letters*, vol. 6, issue 1 (April, 2018)

"The Role of Biography in Intellectual History", in *KNOW, a Journal on the Formation of Knowledge*, vol. 1, no. 2, 2017.

"Evolutionary Ethics: a Theory of Moral Realism," in *The Cambridge Handbook of Evolutionary Ethics*, eds. Michael Ruse and Robert J. Richards (Cambridge: Cambridge University Press, 2017)

"Did Goethe and Schelling Endorse Species Evolution?" *Marking Time: Romanticism and Evolution*, eds. Joshua Lambier and Joel Faflak (Toronto: University of Toronto Press, 2017)

"Myth: That Darwin Worked on His Theory in Secret for Twenty Years, His Fears Causing Him to Delay Publication," in *Textbook Myths about Science*, eds. Ronald Numbers, Kostas Kampourakis, and Nicolaas Rupke (Cambridge: Harvard University Press, 2016)

"Objectivity and the Theory of the Archetype," in *What Reason Promises*, ed. Wendy Doniger, DeGruyter, 2016

"Darwin's Evolutionary Ethics: the Empirical and the Normative Justification," in *Darwin for the Twenty-First Century*, ed. Phillip Sloan, University of Notre Dame Press, 2015

"What If History of Science," with Alan Love and Peter Bowler, *Metascience* 24 (March 2015): 5-24.

"The Impact of German Romanticism on Biology in the 19th Century," *The Impact of Idealism: The Legacy in Philosophy and Science*, ed. Nicholas Boyle (Cambridge University Press, 2013).

"Darwin's Reception in Germany, 1860-1945," in *The Darwin Encyclopedia*, ed. Michael Ruse (Cambridge University Press, 2013): 235-42.

"Darwin's Principles of Divergence and Natural Selection: Why Fodor was Almost Right," *Studies in the History and Philosophy of Biology and Biomedical Sciences* 43 (March, 2012): 256-68.

"Darwinian Enchantment," in *Secular Enchantment*, ed. George Levine (Princeton University Press, 2011).

"Darwin's Place in the History of Biology—a Re-evaluation," *Proceedings of the National Academy of Science*, 106, Supplement 1 (June, 2009): 10056-10060.

"The Tragic Sense of Ernst Haeckel: His Scientific and Artistic Struggles," (2009) in catalogue of the exhibition "Darwin – Art and the Search for Origins" (2009), Shirn Kunsthalle, Frankfurt, Germany

"Myth: That Darwin and Haeckel were Complicit in Nazi Biology," in *Galileo Goes to Jail and Other Myths about Science and Religion*, ed. Ronald L. Numbers (Cambridge: Harvard University Press, 2009).

"Haeckel's Embryos: Fraud Not Proven," *Biology and Philosophy*, 24 (2009): 147-154.

"Karl Ernst von Baer," in *Evolution, the First Four Billion Years*, ed. Michael Ruse (Cambridge: Harvard University Press, 2008).

"Ernst Haeckel," in *Evolution, the First Four Billion Years*, ed. Michael Ruse (Cambridge: Harvard University Press, 2008).

"Darwin's Theory of Natural Selection and Its Moral Purpose," *Cambridge Companion to Darwin's Origin of Species*, eds. Robert J. Richards and Michael Ruse (Cambridge: Cambridge University Press, 2008).

"The Moral Grammar of Narratives in History of Biology—the Case of Haeckel and Nazi Biology," *Cambridge Companion to the History and Philosophy of Biology* (Cambridge: Cambridge University Press, 2007).

"Ernst Haeckel's Alleged Anti-Semitism and Contributions to Nazi Biology," *Biological Theory* 2 (Winter, 2007): 97-103.

"Ernst Haeckel and the Struggles over Evolution and Religion," *Annals of the History and Philosophy of Biology* 2 (2007).

"Nature is the Poetry of Mind, or How Schelling Solved Goethe's Kantian Problems," in Michael Friedman and Alfred Nordman (eds.), *Kant and the Sciences* (Boston: MIT Press, 2006).

"The Aesthetic and Morphological Foundations of Ernst Haeckel's Evolutionary Project," in Mary Kemperink and Patrick Dassen (eds.), *The Many Faces of Evolution in Europe, 1860-1914* (Amsterdam: Peeters, 2005), pp. 1-16.

"Darwin's Metaphysics of Mind," in *Darwin and Metaphysics*, ed. Vittorio Hoesle (Notre Dame: Notre Dame University Press, 2005), pp. 166-180.

"The Relation of Spencer's Evolutionary Theory to Darwin's," in Greta Jones and Robert Peel (eds.), *Herbert Spencer: The Intellectual Legacy* (London: The Galton Institute, 2004), pp. 17-36.

"Did Friedrich Schelling Kill Auguste Böhmer and Does it Matter? Or, the Role of Biography in Intellectual History," in *Biography and Historical Analysis*, ed. Lloyd Ambrosius (Lincoln: University of Nebraska Press, 2004)

"Michael Ruse's Design for Living," *Biology and Philosophy*, 37 (2004): 25-38.

"If This be Heresy: Haeckel's Conversion to Darwinism," in Abigail Lusting, Robert J. Richards, and Michael Ruse (eds.), *Darwinian Heretics* (Cambridge: Cambridge University Press, 2004).

"The Evolution of Mind, Behavior, and Emotions," in Jonathan Hodge and Gregory Radick (eds.), *Cambridge Companion to Darwin* (Cambridge: Cambridge University Press, 2003), pp. 92-115.

"The Erotic Authority of Nature: Nature, Science, and the Female during Goethe's Italian Journey," in *The Moral Authority of Nature*, eds. Lorraine Daston and Fernando Vidal (Chicago: University of Chicago Press, 2003), pp. 127-54.

"Historiography and Cultural Studies of Nineteenth-Century Biology," in David Cahan (ed.), *From Natural Philosophy to the Sciences: Historiography of Nineteenth-Century Science* (Chicago: University of Chicago Press, 2003)

"Race," *Oxford Companion to the History of Modern Science*, ed. John Heilbron (Oxford: University of Oxford Press, 2002)

"The Linguistic Creation of Man: Charles Darwin, August Schleicher, Ernst Haeckel, and the Missing Link in 19th-Century Evolutionary Theory," in *Experimenting in Tongues: Studies in Science and Language*, ed. Matthias Doerres (Stanford: Stanford University Press, 2002)

"Psychology as a Humanism," *Journal of the History of the Behavioral Sciences*, 37 (2001): 61-66.

"Kant and Blumenbach on the Bildungstrieb: A Historical Misunderstanding," *Studies in the History and Philosophy of Biology and Biomedical Sciences*, 31(2000): 11-32

"The Epistemology of Historical Interpretation: Progressivity and Recapitulation in Darwin's Theory in *Epistemology and Biology*, eds. Richard Creath and Jane Maienschein (Cambridge: Cambridge University Press, 1999), pp.64-90.

"The Nature and Necessity of Cultural History of Science, *The Modern Schoolman* 76 (1999).

"Darwin's Romantic Biology, the Foundation of his Evolutionary Ethics," in *Biology and the Foundation of Ethics*, ed. Jane Maienschein and Michael Ruse (Cambridge: Cambridge University Press, 1999), pp. 113-53. (A briefer version of this article has been distributed as the Stiernotte Lecture for 1997).

"Charles Darwin *The MIT Encyclopedia of the Cognitive Sciences* (Cambridge: MIT Press, 1999)

"Rhapsodies on a Cat-Piano, or Johann Christian Reil and the Foundations of Romantic Psychiatry," *Critical Inquiry* 24, no. 3 (spring, 1998): 700-736.

"The Darwinian Justification of Altruism, *Acta Universitatis Upsaliensis (Studies in Bioethics and Research Ethics)* 3 (1998): 37-50.

"Theological Foundations of Darwin's Theory of Evolution," in *Science in Context*, eds. Karen Parshall and Paul Theerman, (Rutgers University Press, 1996).

"Arguments in a Sartorial Mode, or the Asymmetries of History and Philosophy of Science," in *Proceedings of the Philosophy of Science Association 1992*, vol. 2, eds. M. Forbes and D. Hull (1994)

"Resistance to Constructed Belief," in *Questions of Evidence*, eds. J. Chandler, A. Davidson, and H. Harootunian (Chicago: University of Chicago Press, 1994)

"Ideology and the History of Science," in *Biology and Philosophy*, 8 (1993): 103-108

"Birth, Death, and Resurrection of Evolutionary Ethics," in *Evolutionary Ethics*, ed. Matthew Nitecki (New York: SUNY, 1993). reprinted as "Evolutionäre Ethik revidiert und gerechtfertigt," in *Evolution und Ethik*, ed. Kurt Bayertz (Stuttgart: Reclam Verlag, 1993), pp. 168-198.

"Evolution," in *Keywords in Evolutionary Biology*, edited by Evelyn Fox Keller and Elisabeth Lloyd. (Cambridge Mass.: Harvard University Press, 1992), pp. 95-105. "The Structure of Narrative Explanation in History and Science," in *History and Evolution*, ed. M. Nitecki and D. Nitecki (New York: State University of New York Press, 1992), pp. 19-54.

"The Moral Foundations of the Idea of Evolutionary Progress: Darwin, Spencer, and the Neo-Darwinians," in *Evolutionary Progress*, ed. Matthew Nitecki (Chicago: University of Chicago Press, 1988); reprinted in *Oxford Readings in Philosophy: The Philosophy of Biology*, ed. D. Hull and M. Ruse (Oxford: Oxford University Press, 1998).

"Dutch Objections to Evolutionary Ethics," *Biology and Philosophy*, 4 (1989): 331-43.

"A Defense of Evolutionary Ethics," with replies by Cela-Conde, Gewirth, Hughes, Thomas, and Trigg, and rejoinder "Justification through Biological Faith," *Biology and Philosophy* 1, no. 3 (1986). Reprinted in *Issues in Evolutionary Ethics*, ed. Paul Thompson (Albany, N.Y.: State University of New York Press, 1995).

"William James's Theory of Mental Evolution," *Contributions to a History of Developmental Psychology*, eds. G. Eckardt and W. Bringmann (Berlin: Mouton, 1985).

"Why Darwin Delayed, or Interesting Problems and Models in the History of Science," *Journal of the History of Behavioral Sciences* 19 (1983): 45-53; reprinted in *A History of Psychology: Original Sources and Contemporary Research*, ed. L. Benjamin, 2nd ed. (New York: McGraw-Hill, 1998).

"The Personal Equation in Science: William James's Psychological and Moral Uses of Darwinian Theory," *A William James Renaissance*, ed. M. Schwehn, *Harvard Library Bulletin* (special issue), 30 (1982): 387-425.

"Darwin and the Biologizing of Moral Behavior," *The Problematic Science: Psychology in Nineteenth-Century Thought*, eds W. Woodward and M. Ash (New York: Praeger, 1982), pp. 43-64.

"Emergence of Evolutionary Biology of Behavior in the Early Nineteenth Century," *British Journal for the History of Science* 15 (1982): 241-280.

"Instinct and Intelligence in British Natural Theology: Some Contributions to Darwin's Theory of the Evolution of Behavior," *Journal of the History of Biology* 14 (1981): 193-230.

"Habit," "Imitation," "Instinct," "Rational Soul"--articles for the *Dictionary of the History of Science*, eds. W. Bynum, R. Porter, E.J. Browne (London: Macmillan; Princeton: Princeton University Press, 1981).

"Natural Selection and Other Models in the Historiography of Science," *Scientific Inquiry and the Social Sciences: a Volume in Honor of Donald T. Campbell*, eds. M. Brewer and B. Collins (San Francisco: Jossey-Bass, 1981), pp. 37-76. Reprinted in *Science and the Quest for Reality*, ed. Alfred Tauber (London: Macmillan Press, 1997), pp. 203B30.

"Christian Wolff's Prolegomena to Empirical and Rational Psychology: Translation and Commentary," *Proceedings of the American Philosophical Society* 124 (1980): 227-239.

"Wundt's Early Theories of Cognitive Evolution and their Relation to Darwinian Biopsychology," *Wundt Studies*, eds. W. Bringmann and R. Tweney (Toronto, Goettingen, Zurich: Hogrefe, 1980): 42-70.

"Influence of Sensationalist Tradition on Early Theories of the Evolution of Behavior," *Journal of the History of Ideas* 40 (1979): 85-105.

"The Natural Selection Model of Conceptual Evolution," *Philosophy of Science* 44 (1977): 494-501.

"Lloyd Morgan's Theory of Instinct: from Darwinism to Neo-Darwinism," *Journal of the History of the Behavioral Sciences* 13 (1977): 12-32.

"James Gibson's Passive Theory of Perception: a Rejection of the Doctrine of Specific Nerve Energies," *Philosophy and Phenomenological Research* 37 (1976): 218-233.

"The Innate and the Learned: the Evolution of Konrad Lorenz's Theory of Instinct," *Philosophy of the Social Sciences* 4 (1974): 111-133.

"Sellars' Kantian Perspective on the Compatibility of Freedom and Determinism," *Southern Journal of Philosophy* 11 (1973): 228-236.

"Substantive and Methodological Teleology in Aristotle and Some Logical Empiricists," *Thomist* 37 (1973): 702-733.

"Materialism and Natural Events in Dewey's Developing Thought," *Journal of the History of Philosophy* 10 (1972): 55-69.

Reviews:

A. General Journals:

"Trust in Neurons: Review of Patricia Churchland's *Braintrust: What Neuroscience Tells Us about Morality*," *American Scientist*, 100, no. 1 (January-February, 2012).

"Darwin's Garden of Earthly Delights: Review of Steve Jones's *The Darwinian Archipelago*," *American Scientist*, 99, no. 5 (September-October, 2011): 417-18.

"Images of Evolution: Review of Julia Voss's *Darwin's Pictures*," *American Scientist*, 99, no. 2 (March-April), 2011): 165-67.

"Darwin Tried and True: Review of Jerry Fodor and Massimo Piatelli-Palmarini's *What Darwin Got Wrong*," *American Scientist*, 96, no. 3 (May-June, 2010).

"Romantics in the English Manner: Review of Richard Holmes' *Age of Wonder*," *Science*, 327 (5 March 2010): 1202-1203

"Descent of Man: Review of Adrian Desmond and James Moore's *Darwin's Sacred Cause*," *American Scientist*, 97, no. 5 (September-October, 2009): 415-17

"Recovering the Past: Review of Daniel Lord Smail's *On Deep History and the Brain*," *American Scientist*, 96, no. 5 (September-October, 2008)

"Bad Seeds: Review of Barbara Oakley's *Evil Genes: Why Rome Fell, Hitler Rose, Enron Failed, and My Sister Stole My Mother's Boyfriend*," *American Scientist*, 96, no. 2 (March-April, 2008).

"Reason and Reverence: Review of Francis Collins's *The Language of God: A Scientist Presents Evidence for Belief*," *American Scientist* 95, no. 2 (March-April, 2007).

"And Gladly Wolde He Lerne and Gladly Teche: Review of Richard Dawkins' *Ancestor's Tale*," *American Scientist*, 92, no. 2 (March-April, 2005).

"Why We Do It': Sex and the Single Cell," review of Niles Eldredge's "Why We Do It: Rethinking Sex and the Selfish Gene," *New York Times Book Review* (Sunday, June 20, 2004).

"The Evolutionary War: Review of Steven Pinker's *Blank Slate: The Modern Denial of Human Nature*," *New York Times Book Review* (Sunday, October 13, 2002), p. 9.

"Pulp Nonfiction: Commotion over Evolution Before Darwin: Review of James Secord's *Victorian Sensation*," *American Scientist* 89 (September-October, 2001), pp. 454-56.

"You Can't Get There From Here: Review of Henry Gee's *In Search of Deep Time*." *New York Times Book Review* (Sunday, February 27, 2000), p. 32.

"Designing Man: Review of Ian Tattersall's *Becoming Human: Evolution and Human Uniqueness*, *New York Times Book Review* (Sunday, April 26, 1998), p. 30.

"Neanderthals Need Not Apply: Review of C. Stringer and R. McKie's *African Exodus: the Origins of Modern Humanity*, *New York Times Book Review* (Sunday, August 17, 1997), p. 10.

"Origins of Darwin: Review of John Bowlby's *Charles Darwin: A Biography*," *Chicago Tribune, Tribune Books*, (Sunday, June 23, 1991), pp. 6-7.

B. Professional Journals

"Review of Nick Hopwood's Haeckel's Embryos: Images, Evolution and Fraud," *Isis* 107 (December 2016): 865-67.

"Review of Marc Hauser's *Moral Minds: How Nature Designed Our Universal Sense of Right and Wrong*," *Quarterly Review of Biology* 38 (2008): 396-98.

"Review of Charles Darwin's *Descent of Man*, with introduction by Adrian Desmond and James Moore," *British Journal for the History of Science* 39 (2006): 615-17.

"Review of Donald Broom's *The Evolution of Morality and Religion*," *Quarterly Review of Biology* 80 (2005): 228-29.

"Review of Lewis Petrinovich's *Human Evolution, Reproduction, and Morality*, *Quarterly Review of Biology* 71 (1996): 559-60.

"Review of Paul Farber's *The Temptations of Evolutionary Ethics*, *Isis* (1995).

"Review of Ilse Bulhof's *The Language of Science, a Study of the Relationship between Literature and Science in the Perspective of a Hermeneutical Ontology*," *Isis* (1993).

"Review of Donald Polkinghorne's *Narrative Knowing and the Human Sciences*," *American Journal of Sociology*, 1989.

"Review of Robert Boakes' *From Darwin to Behaviourism*, *Science* 228 (1985): 862-863.

"Review of Michael Ruse's *Is Science Sexist: Essays in the Bio-Medical Sciences*," *Isis* 74 (1983): 421.

"Review of Charles Darwin's *Descent of Man* (New Edition) and Gene Bylinsky's *Life in Darwin's Universe*, *BioScience* (1982).

"Review of D. King-Hele (ed.), *The Letters of Erasmus Darwin*," *Science* 216 (1982): 1101-1102.

"Review of Jutta Schmidt's *Die Umweltlehre Jakob von Uexkuells*," *Isis* 73 (1982): 474-475.

"Review of Thomas Leahey's *A History of Psychology: Main Currents in Psychological Thought*," *Isis* 73 (1982): 125-127.

"Review of D. Robinson's *An Intellectual History of Psychology and The Mind Unfolded*," *Isis* 71 (1980): 325-326.

"Critical Review of D. Lindberg's *Theories of Vision from Alkindi to Kepler*," *Journal of the History of the Behavioral Sciences* 15 (1979): 378-382.

"Review of Hecaen and Albert's *Human Neurophysiology*," *Journal of the American Medical Association* 240 (Dec. 1978): 2777.

Lectures:

2018

"Darwin's Biology of Intelligent Design," Clarke University, Dubuque, Iowa, April, 2018

"The Beautiful Skulls of Schiller and the Georgian Girl: Quantitative and Aesthetic Scaling of the Races, 1750-1850. University of Pennsylvania, March, 2018

"Darwin's Moral Theory" and "Was Hitler a Darwinian?" University of Missouri, March 2018

2017

"Science and Its Social Context," SIFK Inaugural Conference, University of Chicago, November 2017

2016

"The Role of Biography in Intellectual History," Form for the History of Human Sciences, Distinguished Lecture, History of Science Society, November, 2016.

"Ernst Haeckel's Romantic Biology," Friday Evening Lectures, Marine Biological Laboratory, Woods Hole, MA, May, 2016

"Doubt in Science," The Renaissance Society, University of Chicago, May, 2016.

2015

"The Beautiful Skulls of Friedrich Schiller and the Georgian Girl, University of Maastricht, Netherlands, October, 2015.

"The Beautiful Skulls of Schiller and the Georgian Girl," Program in History and Philosophy of Science, Illinois Institute of Technology, October, 2015

"Debating Darwin," International Society for the History, Philosophy, and Social Studies of Biology, Ottawa, Canada, July, 2015

"Justification of Evolutionary Ethics," Conference on Evolutionary Ethics, Florida State University, March, 2015

"The Just Measurement of Schiller's Skull," Conference on Blumenbach, Goettingen University, Goettingen, Germany, April, 2015

"Science and Religion in 19th Century Germany," Conference on Science and Religion, University of Wisconsin, April, 2015

2014

"Ernst Haeckel's Evolutionary Science and Romantic Art," Carl Friedrich von Siemens Stiftung, Munich, Germany, July, 2014

"Between Quality and Quantity: the Archetype from Kant to D'Arcy Thompson," Konrad Lorenz Institute, Vienna, Austria, June, 2014

"Myth: That Darwin Worked on His Theory in Secret for Twenty Years, His Fears Causing Him to Delay Publication," Washington and Lee University, May, 2014

"Does Life have a Meaning?" Veritas Forum, University of Chicago, April, 2014

2013

"Secularism in Science," New York University, November, 2013

" Darwin's Biology of Intelligent Design," Chicago Humanities Festival, Chicago, October, 2013

" Philosophy of History: Explanation and Narrative," Humanities Festival, University of Chicago, October, 2013

"Mind and Cosmos: Problems in the Theory of Evolution of Mind and Morality," Institute for the History of Origins, Case-Western University, Cleveland, April, 2013

"Problems in the Theory of the Evolution of Mind, 1876-2013," North-Eastern Victorian Society, Boston, April, 2013

"Celebrity in Science," Triple Helix Society, University of Chicago, March, 2013

"Was Hitler a Darwinian?" Science in Human Culture, Northwestern University, February, 2013

2012

"Did Darwin Write the Origin Backwards? Comments on Elliot Sober's Thesis," American Philosophical Society, Atlanta, Georgia, December, 2012.

"Darwin's Biology of Intelligent Design," Templeton Foundation, Pennsylvania, December, 2012

"The Impact of German Idealism and Romanticism on Biology in the 19th Century," the Impact of Idealism, Magdalene College, Cambridge, September, 2012

"Was Hitler a Darwinian and Does it Matter?" Dotterer Lecture, Penn State University, March, 2012.

"Roots of the Conflict between Evolutionary Theory and Religion," Kripke Lecture, Creighton University, Omaha, Nebraska, March, 2012

"Evolutionary Restraints," symposium in honor of Mark Borrello, University of Minnesota, February, 2012

2011

"Was Hitler a Darwinian," the Hektoen Lecture for the Chicago History of Medicine Society, November, 2011

"Was Hitler a Darwinian," The Society of Fellows, University of Chicago, October 2011.

"Remembering David Hull," meeting of ISHPSSB, University of Utah, Salt Lake City, July, 2011.

"Reading Against the Grain--Comments," Symposium, University of Chicago Center, Paris, France, June, 2011.

"Was Hitler a Darwinian?" and "Darwin's Principle of Divergence and What Fodor Got Almost Right, History and Philosophy of Science, Aberdeen University, Aberdeen, Scotland, May, 2011.

"Did Goethe and Schelling Endorse Species Evolution?" plenary lecture, Romanticism and Evolution, Western Ontario University, Canada, May, 2011.

"Darwin's Accomplishment," Columbia University, New York, NY, April, 2011.

2010

"Darwin's Principle of Divergence and What Fodor Got Almost Right," Faculty of History, Oxford University, England, October, 2010

"Darwin's Principle of Divergence and What Fodor Got Almost Right," plenary lecture, Integrating Complexity and History, Western Ontario University, October, 2010

"The Impact of German Romanticism on Biology in the Nineteenth Century," Idealism in Science, Notre Dame, September 2010

"Aesthetics and Objectivity in Haeckel's Defense of Evolutionary Theory," Stanford University, May 2010

"Darwinian Morality," The Evolution of Conscience, Santa Fe, New Mexico, April 2010

"Darwin and Haeckel," University Lecture, Cornell University, April 2010

"Complementary Aspects of History and Philosophy of Science," Florida State University, April 2010

"The Enchantment of the World: Darwin's Theory of Mind in Nature," Roskilde Universitet, Copenhagen, March 2010.

"Darwin's Biology of Intelligent Design," Valparaiso University, Valparaiso, Indiana, February 2010.

"Darwin's Accomplishment in the *Origin of Species*," Midwest Faculty Seminar, Chicago, January 2010.

"Darwin's Biology of Intelligent Design," Fortnightly, Chicago, January, 2010

2009

"Darwin's Theory of Morality and Its Normative Validity," Celebration of Darwin, Virginia Tech, November, 2009

"'All that is most beautiful': Darwin's Theory of Morality and Its Normative Validity," Darwin in the 21st Century, Notre Dame University, November, 2009

"Darwin's Biology of Intelligent Design," Darwin-Chicago 2009, conference to celebrate the Darwin anniversaries, University of Chicago, October, 2009

"Darwin's Biology of Intelligent Design," Chicago Service League, October 2009.

"Nietzsche and Darwin," University of Chicago Law School, October, 2009

"Darwin's Biology of Intelligent Design" and "A Defense of Evolutionary Ethics," Phi Beta Kappa Lectures, Denison University, Granville, Ohio, September, 2009

"Darwin's Metaphysics of Mind and the Continuity of Nature," Indiana University, Bloomington, Indiana, September, 2009.

"The Enchantment of the World: Darwin's Theory of Mind in Nature," Dep. of History, Michigan State University, September, 2009.

"Darwin on Human Nature and Belief," Cambridge--Darwin Festival, Cambridge, England, July, 2009.

"The Nature of Biological Theory in the Nineteenth Century," History of Biology Seminar, Woods Hole, Massachusetts, May, 2009.

"Darwin's Accomplishment in Biology and Moral Theory," Bogazici University, Istanbul, Turkey, May, 2009.

"Embryos, Nazis, and the Charges of Fraud against Ernst Haeckel," Ernst-Abbe-Kolloquium, Jena Germany, April, 2009..

"Embryos, Nazis, and the Charges of Fraud against Ernst Haeckel Then and Now, Graduate School, University of Cincinnati, April, 2009.

"Darwin's Biology of Intelligent Design," Taft Institute and Department of History, University of Cincinnati, April, 2009.

"Embryos, Nazis, and the Charges of Fraud against Ernst Haeckel Then and Now," Committee on Evolutionary Biology, University of Chicago, April, 2009.

"Darwin's Biology of Intelligent Design," Phi Beta Kappa Lecture, Kansas State University, Manhattan, Kansas, April, 2009.

"Darwin's Biology of Intelligent Design," invited talk to the History Honors Society, Illinois Wesleyan, Bloomington, Illinois, April, 2009.

"Viability of Evolutionary Ethics," invited talk to the undergraduate forum, Notre Dame University, April, 2009.

"Nature and Morality in the Nineteenth Century," Plenary Session, Nineteenth-Century Studies Association, Milwaukee, March, 2009 .

"'All that is most beautiful': Darwin's Theory of Morality," American Association for the Advancement of Science, Chicago, February, 2009 .

"Darwin's Place in History--A Reevaluation," National Academy of Sciences' Sackler colloquium *In the Light of Evolution III: Two Centuries of Darwin* , Irvine, California, January, 2009.

2008

"Goethe's and Schelling's Evolutionary Theory," Key-Note address to the Goethe Society, Pittsburgh, November, 2008.

"Darwin's Accomplishment," Newberry Library Seminar, Chicago, October, 2008.

"The Moral Foundations of Darwin's Evolutionary Theory" and "What Kind of Politics Does Evolutionary Theory Support," Case-Western Reserve University, Cleveland, September, 2008.

"Darwinism, Natural Theology, and Moral Values," Butler University, Indianapolis, September, 2008.

"Comments on Historical Epistemology," Max Planck Institut fuer Wissenschaftsgeschichte, Berlin, Germany, July 2008.

"The Tragic Sense of Ernst Haeckel: His Scientific and Artistic Struggles," Schirn Kunsthalle, Frankfurt, Germany, June 2008.

"Haeckel's Darwinism: Charges of Fraud and Complicity in Nazi Biology." History, Philosophy, and Technology, Stanford University, May, 2008

"Beyond Biology: The Sources of Racial Categories in Evolutionary Thought," Humanities Center, Grinnell College, Grinnell, Iowa, April, 2008

"Darwin's Biology of Intelligent Design," Phi Beta Kappa Lecture, Rockford College, Rockford Illinois, April, 2008

"Objectivity in the Visualization of Life," workshop of the History of Science Program, Princeton University, February, 2008.

"Darwin's Natural Theology," Gleacher Center, University of Chicago, March, 2008.

And many more...