

## JOHN HUSS

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The University of Akron  
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### EDUCATION

**Ph.D.**, The University of Chicago, 2004.

Dissertation: *Experimental reasoning in non-experimental science*.

Committee: Robert J. Richards (chair), William C. Wimsatt, Michael Foote.

### TEACHING AND RESEARCH POSITIONS

**Associate Professor (tenure track)**, Department of Philosophy, The University of Akron, 2007-present. Faculty Status: Graduate Level II (highest level).

**Adjunct Assistant Professor**, Center for Genetic Research Ethics and Law, Department of Bioethics, School of Medicine, Case Western Reserve University, 2007-present.

**Visiting Lecturer**, Institute of Philosophy, Jagiellonian University, Kraków, Poland, 2013-2014.

**Visiting Assistant Professor**, Philosophy Department, Wellesley College, 2006-2007.

**Instructor**, Humanities Division, Reed College, 2006.

### AREAS OF SPECIALIZATION

Philosophy of Science, Philosophy of Biology

### AREAS OF COMPETENCE

Philosophy of Medicine, Environmental Ethics, Biomedical Ethics, Applied Ethics, Philosophy and Popular Culture, History of Science

### AWARDS, GRANTS, AND FELLOWSHIPS

Fulbright U.S. Scholar Grant (\$24,300 stipend plus travel, research, and living allowance). The J. William Fulbright Scholarship Board. Visiting Lecturer in Institute of Philosophy, Jagiellonian University, Krakow, Poland. Awarded March 13, 2013 (Period of Award: 9/10/13-6/10/14).

Outstanding Researcher (\$1,000 stipend plus \$1,000 research allowance). The University of Akron. Awarded May 2013.

National Institutes of Health (NIH) P50 Grant (\$624,000), "Center for Genetic Research Ethics and Law," Department of Bioethics, Case Western Reserve University (5P50HG003390-07). Principal Investigators: Patricia Marshall and Richard Sharp. Project 4: "Personalized Genomic Medicine as a Goal for Translational Genomic Research" ("the

PGM Project”) Conveners: Richard Sharp, Michelle McGowan; Co-investigators: John Huss, Ruth Farrell, Eric Juengst, Nicole Deming (Period of Award: 7/1/10-6/30/2014).

Baker-Nord Humanities Center Fellowship (\$2,500). Competitive fellowship to support participation in spring 2013 seminar on the theme of “Revolution!” Baker Nord Humanities Center, Case Western Reserve University. Awarded August 2012.

Summer Research Grant (\$10,000), “Of Microbes and Men: Metagenomics and Human Individuality,” Faculty Research Committee, The University of Akron. Awarded March 2008.

NIH Seed Grant (\$10,000); “Reconceptualizing the Individual: Implications of Metagenomics for the Philosophy of Biology,” CGREAL (Center for Genetic Research Ethics and Law), Case Western Reserve University, Department of Bioethics. Awarded December 2007.

Supplemental Research Grant; Wellesley College, Spring 2007.

Doctoral Fellowship; Franke Institute for the Humanities, University of Chicago, 2000-2001.

Library Resident Research Fellowship; American Philosophical Society, Philadelphia, Summer 2000.

## **PUBLICATIONS**

### **Books**

Huss, J. (externally reviewed, accepted for publication). *Experimental Reasoning in Paleobiology*. New York: Peter Lang.

Huss, J., ed. *Planet of the Apes and Philosophy: Great Apes Think Alike*. Chicago: Open Court (2013).

Huss, J. and D. Werther, Eds. *Johnny Cash and Philosophy: The Burning Ring of Truth*. Chicago: Open Court Press (2008) [published in German translation as *Die Philosophie bei Johnny Cash*, (trans. Stefan Pannor). Weinheim, Germany: Wiley (2009)].

### **Articles (published)**

Huss, J. (2014). “Methodology and Ontology in Microbiome Research.” *Biological Theory* [Thematic issue: *Ecosystems or Organisms?*] 9 (3): 1-9.

Huss, J. (2014). “Popular Culture and Philosophy: Rules of Engagement.” *Essays in Philosophy* 15: 19-32.

Rollin, Bernard with J. Huss. “*Planet of the Apes* and Scientific Ideology.” *Planet of the Apes and Philosophy: Great Apes Think Alike*. Edited by John Huss. Chicago: Open Court (2013).

Callier, S., Huss, J., and E. Juengst. 2010. "GINA and Pre-Employment Criminal Background Checks." *Hastings Center Report* 40 (1): 15-19.

Juengst, E. and J. Huss. 2009. "From Metagenomics to the Metagenome: New Images of the Human from 'Translational' Genomic Research." *Genomics, Society, and Policy* 5 (3): 1-19.

Huss, J. 2009. "The Shape of Evolution: The MBL Model and Clade Shape." *The Paleobiological Revolution*. Edited by Michael Ruse and David Sepkoski. Chicago: University of Chicago Press, p. 326-345.

Huss, J. 2008. "Johnny Cash and Justice." *Johnny Cash and Philosophy: The Burning Ring of Truth*. Edited by John Huss and David Werther. Chicago: Open Court, p. 183-195.

Huss, J. 2006. "David Hume and Monty Python on Religion." *Monty Python and Philosophy*. Edited by Gary Hardcastle and George Reisch. Chicago: Open Court, p. 141-151.

### **Articles (not yet published)**

Huss, J. (forthcoming 2016). "Paleontology: Outrunning Time." *The Time of Nature: The Nature of Time* (Boston Studies in the Philosophy and History of Science). Edited by Christophe Bouton and Philippe Huneman. Heidelberg: Springer.

Invited contribution on "Advances in Epistemology and Philosophy of Metagenomics," *Metagenomics: Current Advances and Emerging Concepts*, ed. Diana Marco, UK: Caister Academic Press, forthcoming 2016.

Stencel, Adrian and J. Huss (in preparation). "The Web of Life: Darwin Meets Microorganisms"

### **Policy brief**

"Suggested Changes to Existing Probiotic Regulations," Ethical, Legal and Social Implications (ELSI) of Probiotics Working Group. University of Maryland Law School. Baltimore, MD, February 17, 2012.

### **Book review**

Huss, J. 2014. "Science on American Television" by Marcel Chotkowski LaFollette. *Quarterly Review of Biology* 89(3): 257

Huss, J. 2002. "The First Fossil-Hunters: Paleontology in Greek and Roman Times by Adrienne Mayor." *Journal of Geology* 110 (3): 369.

### **CONFERENCES AND PRESENTATIONS**

"Regulating Fecal Transplants: No Subtitle Required" (invited speaker), Stanford Center for Biomedical Ethics, Stanford, CA, December 14, 2015.

"Practical Ethics and Global Ethics of Peter Singer," Great Ethical Theories of Modernity,

Institute of Philosophy, University of Warmia and Mazury, Olsztyn, Poland, June 29-30, 2015.

“Current Research in Philosophy of Paleobiology,” Perspectives on Stephen Jay Gould, Marine Biological Laboratory, Woods Hole, MA, May 14, 2015.

“Underdetermination in Historical Science” (invited speaker), Philosophy Colloquium, Graduate Center, City University of New York, May 6, 2015.

“Diagrammatic Reasoning in Paleontology,” Diagrams as Vehicles of Scientific Reasoning, Center for the Philosophy of Science, University of Pittsburgh, April 11, 2015.

“Methodological and Evolutionary Perspectives on the Human Microbiome” (invited speaker), The Human Microbiome: Implications of the Microcosm Within Us, American Association for the Advancement of Science Annual Meeting, San Jose, CA, February 15, 2015.

“Underdetermination, Model Selection, and Evolutionary Trends” (invited speaker), Epistemology Colloquium, Institute of Philosophy, Jagiellonian University, Krakow, Poland, June 26, 2014.

“American Popular Culture: A Philosophical Perspective” (invited speaker, funded by U.S. Consulate General, Krakow, Poland). Opole Conference of Teachers of English: Culture and the Realities of English-Speaking Countries, Opole, Poland, November 20, 2013. Also presented at American Experience — Experience America, Katowice Center for Excellence in Teaching, Katowice, Poland, March 20, 2014, and at Rzeszow Polytechnic, Rzeszow, Poland, May 9, 2014.

“Methodology and Ontology in the Human Microbiome Project” (invited speaker, funded by NIH), International Society for the History, Philosophy, and Social Sciences of Biology (ISHPSSB) annual meeting, Montpellier, France, July 8-12, 2013.

“Ethics and Engineering,” Guest lecturer, Civil Seminar, Department of Civil Engineering, The University of Akron, Oct. 17, 2012; Nov. 16, 2011 and Sept. 2, 2009.

“Paleontology: Outrunning Time” (invited speaker), Time in Nature, the Nature of Time. University of Bordeaux, France, September 26-28, 2012.

“Molecular and Ecological Models of the Human Microbiome: A Conceptual Analysis,” Seventh International Symbiosis Society Congress. Krakow, Poland, July 28, 2012.

“The Human Microbiome: A New Paradigm” (invited speaker), Ethical, Legal and Social Implications (ELSI) of Probiotics. University of Maryland Law School. Baltimore, MD, February 17, 2012.

“Suggested Changes to Existing Probiotic Regulations” (invited speaker), Ethical, Legal and Social Implications (ELSI) of Probiotics. University of Maryland Law School. Baltimore, MD, February 17, 2012.

Paleontology from Osborne to Gould (session chair). History of Science Society annual meeting. Cleveland, Ohio, November 4, 2011.

“Values in Science: Ecosystem Services Research” (invited lecture). Ecolunch Seminar Series, Integrated Bioscience Program, The University of Akron, October 12, 2011.

“Health Resource Rationing” (invited lecture). Foundations of Bioethics class, Department of Bioethics, Case Western Reserve University, September 29, 2011.

“Ethical Relativism” (invited lecture). Foundations of Bioethics class, Department of Bioethics, Case Western Reserve University, September 13, 2011.

“Justice” (invited lecture). Foundations of Bioethics class, Department of Bioethics, Case Western Reserve University, September 8, 2011.

“Bioethics and Moral Philosophy” (invited lecture). Foundations of Bioethics class, Department of Bioethics, Case Western Reserve University, September 6, 2011.

“Urban Ecosystem Services: Conceptual Tools from Philosophy,” Synthesizing different perspectives on the value of urban ecosystem services: Seminar and workshop, sponsored by the Sendzimir Foundation. University of Lodz, Lodz, Poland, July 16, 2011.

“I Know I Had It Comin’: Moral Responsibility and Structural Injustice in the Music of Johnny Cash,” Post 45 Annual Conference, Rock & Roll Hall of Fame, Cleveland, OH, April 30, 2011.

“Evidence,” Guest lecturer, Criminal Justice Technology class, Summit College, The University of Akron, April 2011.

“Metagenomics and ontology” (invited lecture). Department of Philosophy, Case Western Reserve University, February 8, 2011.

“Placing the Accent in Microbiome Research: Ecological and Genomic Conceptions of the Human Microbiome” (invited lecture). STABECO Workshop: Organisms as Ecosystems, Ecosystems as Organisms, Université Paris VI (Sorbonne), Paris, France, December 17, 2010 (paid for by Institute d’Histoire et de Philosophie des Sciences et des Techniques).

“Utopianism and Dystopianism in the Ethics of Reproductive Technology,” 11<sup>th</sup> International Conference of the Utopian Studies Society (Europe), Lublin, Poland, July 9, 2010.

“What Color is Your Dinosaur? Epistemic Asymmetries between Experimental and Historical Science” (invited lecture), Department of Philosophy, Case Western Reserve University, March 2, 2010.

“Superorganism or Soup of Organisms: Metagenomics and the Ontology of the Human

Microbiome Project,” European Philosophy of Science Association, Vrije Universiteit, Amsterdam, The Netherlands, October 21-24, 2009

“From Metagenomics to the Metagenome: A Tool-to-Concept Heuristic?” Philosophy of Medicine Roundtable, Erasmus Institute for Philosophy and Economics, Erasmus University, Rotterdam, The Netherlands, October 19-20, 2009.

“Thomas Kuhn and the Teaching of Science,” Guest lecturer, CORE Science Grant cohort class on the Nature of Philosophy and History of Science. Curricular and Instructional Studies Department, College of Education, The University of Akron. June 24, 2009.

“The Status of the Soul in Plato’s *Crito*,” International Society for Neoplatonic Studies, Ignatianum, Krakow, Poland, June 18-21, 2009.

“Recasting Indra’s Net: Translation, Appropriation, and Practice in Ecology,” Boğaziçi University, Istanbul, Turkey, October 22-24, 2008.

“Reconceptualizing the Individual: Implications of Metagenomics,” ELSI International Conference, Translating the Ethical, Legal and Social Implications of Genomics, sponsored by Case Western Reserve University, Cleveland, OH, May 2, 2008.

“Mass Extinction,” guest lecturer, Honors Natural Science Colloquium, The University of Akron. October 2007 and March 2008.

"Thinking Inside the Box: Inquiring Into Intrinsic Value" (invited lecture). Department of Bioethics, Case Western Reserve University, June 27, 2007.

"Adjudicating Scientific Disputes Through Numerical Experiment: The Problem of Translation," translation and translation—des faux amis—tracing translation across disciplines, Boğaziçi University, Istanbul, Turkey, April 6, 2007.

“The Role of Values in Western versus Indigenous Science” (session chair), Philosophy of Science Association Annual Meeting, Vancouver, BC, November 3, 2006.

“History of Evolutionary Theory” (session chair), History of Science Society Annual Meeting, Vancouver, BC, November 3, 2006.

“Problem Solving in the Sciences,” Reed College, Portland, OR, February 10, 2006.

“Systematizing Knowledge through Concept Mapping,” Reed College, Portland, OR, February 9, 2006.

“The Problem of Evolutionary Progress,” guest lecture in Philosophy of Biology; Reed College, Portland, OR, October 25, 2005.

“Empirical Political Science in a Liberal Arts Context” (invited lecture) in Mellon Workshop on Empirical Political Science and the Liberal Arts Education; Smith College, Northampton, MA, June 2-4, 2005.

"Kuhn's 'A Function for Thought Experiments' Rethought," Lewis & Clark College Philosophy Colloquium, Portland, Oregon, November 20, 2002.

“Natural Experiments: A New Framework,” History and Philosophy of Science Series; University of Chicago, April 3, 2001.

### **ADDITIONAL CONFERENCES AND SEMINARS ATTENDED**

Microbiota Transplantation: Recommendations for a Regulatory Framework. Invited participant. University of Maryland Carey School of Law, Baltimore, MD. December 3-4, 2015

Attended Effective Theories, Mixed Scale Modeling, and Emergence Conference, Center for Philosophy of Science, University of Pittsburgh, PA, October 2, 2015.

Living Forms: A Workshop in the Experimental Humanities. Invited participant. Baker Nord Center for the Humanities, Case Western Reserve University, Cleveland, OH (2014-2015).

Pragmatism, Truth, and Progress, master class (5 lectures), taught by Philip Kitcher, Bielefeld University, Germany. May 2014.

Ethical, Legal and Social Implications (ELSI) of the Human Microbiome Project (HMP). Invited participant. Baylor University College of Medicine, Houston, TX. March 1-2, 2012.

Symposium in Honor of William C. Wimsatt. Department of Philosophy. The University of Chicago, Chicago, IL. April 9-10, 2010.

Capturing Complexity: The Scientific, Societal, and Ethical Meanings of ‘Environment’ in Genetic Research Symposium. Stanford University, Stanford, CA. May 9, 2008.

Morality and Mind: Ethics at the Crossroads of Culture and Science Symposium, Case Western Reserve University, Cleveland, OH. February 29, 2008.

Workshop on Ethical, Legal and Social Implications (ELSI) of the Human Microbiome Project (HMP), Center for Genetic Research. Invited participant, Ethics and Law, Case Western Reserve University, November 16, 2007.

American Society for Bioethics and Humanities (ASBH) Meeting, Washington, DC, October 19-20, 2007.

National Institutes of Health/National Human Genome Research Institute Training Meeting,  
Bethesda, MD, October 16-17, 2007.

Consortium on High Achievement and Success (CHAS) Supplemental Instruction Training;  
Wellesley, MA, 2006

## **SERVICE**

### **Dissertations and theses**

Dissertation committee, Emily Kennedy, Integrated Bioscience, The University of Akron, 2012-  
present.

Dissertation committee, Jeremy Prokop, Integrated Bioscience, The University of Akron. 2011-  
2013.

Dissertation committee, John Frye, Department of Bioethics, Case Western Reserve University,  
2012-present.

B.A. Honors project director, Daniel Kandray (2012-13), Jordan Croucher (2012-13) Benjamin  
Markel (2011-12)

B.A. Honors project committee, Dillon McCrea (2015-2016), Nevin Johnson (2011) and Tamas  
Tabor (2009)

### **Committee work**

Member, General Education Advisory Committee, Faculty Senate, Fall 2015-Spring 2017.

Member, Faculty Senate, Fall 2013-Spring 2016.

Chair, Critical Thinking & Reasoning Committee, UofA General Education Implementation,  
2014-present.

Member, Editorial Board, The University of Akron Press, 2009-present.

Advisor, UofA Animal Rights & Rescue Group, Fall 2011-present.

Executive Committee, Buchtel College Council, Buchtel College of Arts and Sciences, The  
University of Akron, Fall 2012.

Buchtel College Council, Buchtel College of Arts and Sciences, The University of Akron, Fall  
2011-present. Subcommittee on Minors and Certificates, Fall 2011-Spring 2012.

Faculty Learning Community: Critical Thinking, Center for Teaching and Learning, The

University of Akron, Summer 2010.

Wei-Jen Chang Endowed Scholarship Committee, The University of Akron, Spring 2008.

Invited participant, National Science Foundation IGERT (Integrative Graduate Education and Research Traineeship) pre-proposal, headed by Peter Niewiarowski, Biology Department, The University of Akron, December 2007.

### **Department**

Academic advisor (currently advising 13 philosophy majors).

Curricular development of Philosophy of Science minor, Department of Philosophy, The University of Akron, October 2007.

Curricular development of Environmental Ethics minor, Department of Philosophy, The University of Akron, October 2007.

### **Profession**

Reviewer, "Rock, Bone & Ruin: An Optimist's Guide to the Historical Sciences" by Adrian Currie, for University of Chicago Press, November 2016.

Program Review, Program Development Proposal for MA Program in Medical Ethics and the Humanities, Northeast Ohio Medical University (NEOMED), December 2, 2015.

Peer Reviewer, Microbiome, January 2015.

Letter of support, Microbiota Transplantation: Recommendations for a Regulatory Framework, R21 Grant Proposal to National Human Genome Research Institute by Diane Hoffmann, Carey School of Law, University of Maryland, October 5, 2014.

Referee, Poland Fulbright applications in philosophy for Fulbright Senior Award 2016/17 and Junior Advanced Research Award 2016/17, August 2015.

External Reviewer of Research Proposal for an 800,000 Euro grant from The Netherlands Organization for Scientific Research (NWO, the Dutch Research Council), January 2014.

Peer Reviewer, *Philosophy Compass*, November 2013.

Member, NIH Probiotic Working Group, findings of which appeared in "Probiotics: Finding the Right Regulatory Balance," *Science Magazine*, October 2013.

Interviewer, Fulbright Commission, interviewing Polish candidates for Fulbright fellowships to U.S., Warsaw, Poland, October 2013.

Peer Reviewer, Polish Fulbright applications for study and research in U.S., September 2013.

Attended 9<sup>th</sup> International Whitehead Conference, Krakow, Poland, September 9-12, 2013.

Met with Dr. Alexandra Caude, French genetics researcher from INSERM as part of her Eisenhower Fellowship, May 7, 2013.

Interviewed by WAKR-AM re: Planet of the Apes and Philosophy: Great Apes Think Alike, May 2013.

Interviewed by UofA Institutional Marketing re: Planet of the Apes and Philosophy: Great Apes Think Alike, May 2013.

Content consultant, *Ethics*, Julie Van Camp. (New York: Wadsworth/Cengage), 2013.

Peer reviewer, *Hastings Center Report*, 2012

Peer reviewer, *Ohio Philosophical Association* annual meeting, 2012

Peer reviewer, *New England Journal of Political Science*, 2010

Manuscript reviewer, Shafer-Landau, Russ. 2010. *Ethics: A Reader in Theory and Contemporary Moral Issues*, New York: Oxford University Press, July 2008.

Manuscript reviewer, Sterelny, Kim, and James Maclaurin. 2008. *Biological Diversity*, Science & Its Conceptual Foundations Series, University of Chicago Press, December 2006.

Peer reviewer, *Artificial Life*, 2006

## **COURSES TAUGHT**

**Jagiellonian University**, Institute of Philosophy  
*Undergraduate/Graduate*

Philosophy of Science (Fall 2013)

Philosophy of Medicine (Spring 2014)

Environmental Philosophy (Fall 2013)

Genetics and Ethics (Spring 2014)

**Case Western Reserve University**, Department of Bioethics  
*Graduate*

Philosophy of Medicine (Spring 2012)

Foundations of Bioethics (Fall 2011; co-taught)

**The University of Akron**, Department of Philosophy  
*Graduate*

Ethics of Science (Fall 2009, Fall 2010, Fall 2012)

Philosophy of Science (Spring 2008)

*Undergraduate*

Biomedical Ethics (Summer 2011, Summer 2012)

Environmental Ethics (Spring 2011, Fall 2012)

Advanced Topics in Ethics: Genetics and Ethics (Spring 2009, Spring 2011)

Introduction to Ethics [Honors] (Fall 2007, Fall 2009, Spring 2010, Fall 2010, Fall 2011)

Introduction to Ethics (Fall 2007, Spring 2009, Fall 2009, Summer 2010, Spring 2011, Fall 2011, Spring 2012)

Philosophy of Science and Religion (Spring 2012)

Philosophy of Science (Spring 2008, Spring 2010, Fall 2011)

Theory and Evidence (Spring 2008, Spring 2009, Spring 2010, Spring 2011, Spring 2012)

Philosophy and History of 20<sup>th</sup> Century Physics—Independent Study (Spring 2011)

Advanced Topics in Philosophy of Science—Independent Study (Fall 2010)

Senior Honors Project—Independent Study (Spring 2012)

**Wellesley College**

*Undergraduate*

Environmental Philosophy (Spring 2007)

Scientific Reasoning (Fall 2006, Spring 2007)

**Reed College**

*Undergraduate*

Hum 411: Senior Symposium (Spring 2006)

**PROFESSIONAL AFFILIATIONS**

Philosophy of Medicine Roundtable

International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB)

**ADDITIONAL EXPERIENCE**

**Director**, Levine Quantitative Skills Center, Reed College, 2002-2006.

- Initiated and developed new academic support center.
- Supported quantitative reasoning across the disciplines.

**Volunteer Reader and Recording Monitor**, Recording for the Blind and Dyslexic, Chicago, Illinois, 1998-2000.

- Read and monitored audio recording of science textbooks for blind and dyslexic students.
- Provided verbal interpretations of graphs and diagrams.