

Department of Philosophy
215 S. Central Campus Dr., CTIHB 402,
University of Utah
Salt Lake City, UT 84112

Phone: (801) 585-3765
Fax: (801) 581-8161
matt.haber@utah.edu
<http://www.hum.utah.edu/~mhaber/>

Matthew H. Haber

appointments *University of Utah*

2015–Present. Chair, Department of Philosophy.
2013–Present. Associate Professor, Department of Philosophy.
2006–2013. Assistant Professor, Department of Philosophy.

Affiliate Appointments

2018–Present. Adjunct Associate Professor, School of Biological Sciences.
2013–Present. Center for Quantitative Biology.
2013–Present. Center for Latin American Studies.

Fellowships & Awards

2018 *Award of Distinction*, Undergraduate Studies.
2016 *Faculty Teaching Award for Innovation in General Education*.
2013 *Ramona W. Cannon Award for Teaching Excellence in the Humanities*.
2013 *Early Career Teaching Award*.
2008 O.C. Tanner Aldrich Humanities Fellow.

University of California, Davis

2005–2006. Division of Social Sciences Presidential Faculty Fellow.

education *University of California, Davis*

2005. Ph.D, Philosophy; Affiliate, Center for Population Biology.
Dissertation: *The Centrality of Phylogenetic Thinking*.
Committee: James Griesemer (chair), Rob Cummins, Karen Neander,
Mike Sanderson, Paul Teller.

The London School of Economics

1999. M.Sc., History and Philosophy of Science
Thesis: *Classification and Systematics: The Lungfish and the Cow*.

Grinnell College

1995. B.A., Biology and Philosophy. (Double Major)

publications *Articles*

“Phylogenetic Inference” *The Stanford Encyclopedia of Philosophy*. Co-author:
Joel Velasco. (Under contract).

- "Species in the Age of Discordance." *Philosophy, Theory, and Practice in Biology*, 11(21). (2019).
- "Species in the Age of Discordance: Meeting Report and Introduction." *Philosophy, Theory, and Practice in Biology*, 11(12). Co-author: Daniel J. Molter (2019).
- "The Individuality Thesis (3 Ways)" *Biology & Philosophy*, 31(6):913–930. doi: [10.1007/s10539-016-9548-9](https://doi.org/10.1007/s10539-016-9548-9). (2016)
- "The Biological and the Mereological: Metaphysical Implications of the Individuality Thesis." In *Individuals Across the Sciences*, Thomas Pradeu and Alexandre Guay, eds., 295–316. Oxford University Press. (2016)
- "Mitochondrial Diversity and the Reversal Test" *American Journal of Bioethics*, 15(6):23–24. doi: [10.1080/15265161.2015.1028669](https://doi.org/10.1080/15265161.2015.1028669). (2015)
- "Colonies Are Individuals: Revisiting the Superorganism Revival." In *From Groups to Individuals: Perspectives on Biological Associations and Emerging Individuality*, Frédéric Bouchard and Philippe Huneman, eds., 195–217 (ch. 9). MIT Press. (2013)
- "Multilevel Lineages & Multidimensional Trees: The Levels of Lineage and Phylogeny Reconstruction." *Philosophy of Science*, 79(5):609–623. doi: [10.1086/667849](https://doi.org/10.1086/667849). (2012)
- "How To Misidentify A Type Specimen." *Biology & Philosophy*, 27(6):767–784. doi: [10.1007/s10539-012-9336-0](https://doi.org/10.1007/s10539-012-9336-0). (2012)
- "Reframing the Ethical Issues in Part-Human Animal Research: The Unbearable Ontology of Inexorable Moral Confusion." *The American Journal of Bioethics*, 12(9): 17–25. Co-authored with Bryan Benham. doi: [10.1080/15265161.2012.699139](https://doi.org/10.1080/15265161.2012.699139). (2012)
- "Philosophy of Biology" in *Philosophy of the Special Sciences*. F. Allhoff, ed. Blackwell Press. 184–212. Co-authored with Andrew Hamilton, Jay Odenbaugh and Samir Okasha. (2010)
- "The Edges and Boundaries of Biological Objects." *Biological Theory*, 4(3):219–224. Co-authored with Jay Odenbaugh. (2009)
- "Clade Selection and Levels of Lineage: A Reply to Rieppel." *Biological Theory*, 4(2):214–218. Co-authored with Andrew Hamilton. (2009)
- "Social Insects and the Individuality Thesis: Cohesion and the Colony as a Selectable Individual." In *Organization of Insect Societies: From Genome to Sociocomplexity*. J. Gadau and J. Fewell, eds. Harvard University Press. 570–587. Co-authored with Andrew Hamilton and Nathan Robert Smith. (2009)

- "Moral Confusion and Developmental Essentialism in part-human hybrid research." *The American Journal of Bioethics*, 8(12): 42–43. Co-author Bryan Benham. (2008)
- "Phylogenetic Inference." In *Blackwell Companion to the Philosophy of History and Historiography*, Avi Tucker, ed., 231–242. Blackwell. (2008)
- "Clades Are Reproducers." *Biological Theory*, 1(4): 381–391. Co-authored with Andrew Hamilton. (2006)
- "Coherence, Consistency and Cohesion: Clade Selection in Okasha and Beyond." *Philosophy of Science*, 72(5): 1026–1040. Co-authored with Andrew Hamilton. (2005)
- "Probability and Systematics: Possibility, Probability, and Phylogenetic Inference." *Systematic Biology*, 54: 831–841. (2005)
- "Morphology, Ultrastructure, and Function of Extrafloral Nectaries in Three Species of Caesalpiniaceae." *Jour. Iowa Acad. Sci.*, 106(4) 82–88. Co-authored with Lenore T. Durkee, Lisa Dorn and Ann Remington. (1999)

Editor

- Special Issue: "Species in the Age of Discordance." *Philosophy, Theory, and Practice in Biology*, 11. (2019).
- Special Issue: "The Edges & Boundaries of Biological Objects." *Biological Theory* 4(3). Co-edited with Jay Odenbaugh. (2009)

Critical Notices & Essay Reviews

- "In Defense of the Organism." *The Limits of the Self: Immunology and Biological Identity*, by Thomas Pradeu (Elizabeth Vitanza, trans.), *Biology & Philosophy*, 29(6):885–895. doi: [10.1007/s10539-014-9457-8](https://doi.org/10.1007/s10539-014-9457-8). (2014)
- Cycles of Contingency: Developmental Systems and Evolution*, edited by Susan Oyama, Paul E. Griffiths, and Russell D. Gray." *Biology and Philosophy*, 20:517-544. Co-authored with Lisa Gannett, James Griesemer, and Grant Yamashita. (2005)

Book Reviews

- "Species Problems." *The Species Problem: A Philosophical Analysis*, by Richard A. Richards, *Metascience*, 22:339–342. doi: [10.1007/s11016-012-9720-z](https://doi.org/10.1007/s11016-012-9720-z). (2013)
- Seeking God in Science: An Atheist Defends Intelligent Design*, by Bradley Monton, *Reports of the National Center for Science Education*, 32(5):5.1–5.3 (2012)

“Not So Innocent: Methodology and Metaphysics of Evolution.” *Doubting Darwin? Creationist Designs on Evolution*, by Sahotra Sarkar, *BioScience*, 58(11): 1088–1089. (2008)

Evolution and the Levels of Selection, by Samir Okasha, *Mind*, 117(468):1116–1119. (2008)

The Poverty of the Linnaean Hierarchy: A Philosophical Study of Biological Taxonomy, by Marc Ereshefsky, *Philosophy of Science*, 72(3):491–494. (2005)

Letters to the Editor

“Meeting Report: First ISHPSSB Off-Year Workshop.” *Biology and Philosophy*, 20: 927–929. Co-authored with Melinda Fagan, Patrick Forber, Vivette Garcia Deister, Andrew Hamilton and Grant Yamashita. (2005)

Digital & Popular Media

“The graduate term afield - new program fosters interdisciplinarity.” *PhilIn-BioMed - The Magazine*, March (2019).

“Transformation, Persistence, and Identity.” *At: Extinct: The Philosophy of Paleontology Blog*. Sept. 12 (2016)

Founder, editor, curator (2007–2013): [Philosophy of Biology Cafe](#)

invited talks & presentations

“Species in the Age of Discordance.”
University of Idaho Colloquium (Seaman Lecture), Apr. 26, 2019.

“Philosophy Of, For, and In Science.”
Salt Lake Community College, March 6, 2019.

Commentary (with Richard Figueroa & Dan Molter): “The Evolutionary Independence Of Species In Light Of Population Genomics” (Beckett Sterner, author).
Pacific APA, San Diego, CA, March 28-31, 2018.

“Positively Misleading Errors.”
Grand Rounds, University of Utah School of Medicine, March 24, 2018.

“The Species Problem Problem and the No Solution Solution.”
California Institute of Technology Colloquium, Feb. 22, 2017.
University of Minnesota Colloquium, Jan. 27, 2017.
Weber State University Colloquium, Oct. 28, 2016.

- "Philosophy Of, For, And In Science."
University of Utah, Department of Geology & Geophysics,
Guy F. Atkinson Distinguished Lecture Series, Oct. 27, 2016
- Round Table: "From Stem Cells to Species: Potentiality, Transformation,
and Individuality in Contemporary Philosophy of Biology." *Worlds
Apart? Aristotelian and Contemporary Engagement in Metaphysics and the
Philosophy of Biology*. University of Utah Department of Philosophy,
April 14, 2016.
- "The Species Problem Problem and the No Solution Solution."
Reed College Colloquium, March 4, 2016.
- "The Biological and the Mereological."
Linfield College, Guest Instructor, *The Metaphysics of Science*, (Leonard
Finkelmann), March 2, 2016.
- "The Individuality Thesis."
University of Oregon, Guest Instructor, *The Individuality Thesis Grad-
uate Seminar* (Nicolae Morar, inst.), Feb. 29, 2016.
- "The Individuality Thesis and the Levels of Lineage."
University of Calgary Colloquium, Feb. 5, 2016.
- "Naming and Taxonomic Necessity."
*Labels, Catalogues, and Architectures: The Art and Science of Modern Sys-
tematics*. Schloss Herrenhausen, Hannover, Germany.
June 24, 2015.
- "Positively Misleading Errors."
University of Utah School of Business Management Speaker Series,
April 17, 2015.
- "Normal, Variation, and Normal Variation."
Invited Symposium: *Eugenics and Philosophy*
Pacific APA Meeting, Vancouver, BC, April 1–3, 2015.
- "Positively Misleading Errors."
Is Big Data Always Better? Constraints on Big Data for Biology
The Field Museum, Chicago, IL. Nov., 4–5, 2014.
- "How to Misidentify a Type Specimen."
Utah Valley University Colloquium, Jan. 10, 2014.
- "Evolution and the Levels of Lineage."
Keynote Address: *Darwin Day: Frontiers*

Belo Horizonte, Universidade Federal de Minas Gerais, Brazil.
Oct. 14-18, 2013.

“Evolution and the Levels of Lineage: Rearticulating the
Individuality Thesis.”

Duke University Colloquium, Feb. 22, 2013.

“Dinosaurs, Birds and (the Lack of) Human Nature.”

Biohumanities Public Forum, Salt Lake City Library, July 5, 2011.

“Multidimensional Trees and Multilevel Lineages.”

Noah Rosenberg Lab, University of Michigan, Ann Arbor, MI, May
31, 2011.

“On Human Nature.”

Darwin Day Lecture Series, University of Utah BioSAC and SHIFT,
Feb. 9, 2011.

“Nomenclature and the Nature of ‘The Nature Of’.”

Utah Museum of Natural History Brown Bag Lunch, Jan. 7, 2011.

Author Meets Critic Session, Peter Godfrey-Smith’s *Darwinian Populations*.

Pacific APA Meeting, San Francisco, CA. April 2, 2010.

Faculty Workshop.

Philosophy of Biology By the Sea, UCSD, Jan. 23, 2010.

Commentator: Joel Velasco’s “The Biological Species Concept and Evolu-
tionary History.”

Pacific APA Meeting, Vancouver, BC. April 10, 2009.

Central APA Meeting, Chicago, IL. April 18, 2008.

“Stable Relationships Are Overrated.”

Linnaeus Tricentennial Symposium, California Academy of Sciences,
San Francisco, CA, May 18, 2007.

“Productive Disruptions & Phylogenetic Inference.”

Brigham Young University Department of Biology, April 12, 2007.

“The Virtue of Dual Ambiguity.”

Species Symposium, PhyloCode Meeting, Yale University Peabody
Museum, June 28 – July 2, 2006.

“Applied Phylogenetics and Biologican Nomenclature.”

UC Davis Bodega Phylogenetics Workshop, May, 2006.

“Unnatural Kinds: The Nature of Higher Taxa.”

University of Washington, Department of Philosophy, Feb. 15, 2008.

Santa Clara University, Department of Philosophy, February 14, 2006.
University of Utah, Department of Philosophy, February 3, 2006.
University of Minnesota, Department of Philosophy, January 31, 2006.
University of Kansas, Department of Philosophy, January 27, 2006.
Arizona State University, School of Life Sciences, December 5, 2005.

“Modeling Phylogeny: Inferring the Past.”

Population Biology Group Weekly Colloquia Series, UC Davis, October 25, 2005.

Panel Member: In Defense of Darwin: Intelligent Design.

UC Davis Atheists and Agnostics Meeting, Davis, CA, Oct., 2005.

“Being A Good Scientist.”

Environmental Ethics, Science and Policy, University of Utah Department of Philosophy Annual Colloquium, April 9-10, 2005.

Panel Member: David Hull Graduate Student Question & Discussion Panel.
Bay Area Biosystematists Meeting, Berkeley, CA, March, 2005.

Panel Member: “Report on the First International Phylogenetic Nomenclature Meeting and a Discussion of the PhyloCode.” Bay Area Biosystematists Meeting, California Academy of Sciences, San Francisco, CA, October, 2004.

Comments: Ken Reisman and Patrick Forber’s “The Causal Status of Selection and Drift.”

Berkeley-Stanford-Davis Graduate Student Philosophy Conference, UC Berkeley, May, 2004.

“Probability and Systematics: Probability, Possibility and Phylogenetic Inference.”

Bay Area Biosystematists Meeting, Berkeley, CA, March, 2004.

Comments: Michael Weisberg’s “Tradeoffs in Biological Model Building.”

2003. Berkeley-Stanford Graduate Student Philosophy Conference, Stanford University, May, 2003.

contributed &
refereed talks

“Exogenous Homologies and Experimental Graduate Pedagogy: Or, How to Write a Paper in a Day.” (Interdisciplinary Prize Candidate)

International Society for History, Philosophy, and Social Studies of Biology, Oslo, July, 2019.

“Species in the Age of Discordance.”

International Society for History, Philosophy, and Social Studies of Biology,

São Paulo, July 21, 2017.

“The Species Problem Problem and the No Solution Solution.”
The Evolution Meeting, Pre-Conference Workshop, “Species in the Age
of Discordance.”
Portland, OR, June 23, 2017.

“Rank Free Temporal Hierarchies: Life Cycles of the Rich and Complicated”
Philosophy of Science Association Biennial Meeting, Atlanta, GA, Nov. 3-
6, 2016.

“Mitochondrial Replacement and Developmental Ethics.”
Rocky Mountain Ethics Congress (RoME), Boulder, CO, Aug. 6-9, 2015.

“The Species Problem Problem and the No Solution Solution.”
International Society for History, Philosophy, and Social Studies of Biology,
Montreal, July 2015.

“Paradigmatic People.”
Philosophy of Science Association Biennial Meeting,
Chicago, IL, Nov. 6-8, 2014.

“How to Make a Mammoth.”
Intermountain Philosophy Conference,
Utah Valley University, Orem, Utah, Nov. 8, 2013.

“Patterns of Discordance.”
International Society for History, Philosophy, and Social Studies of Biology,
Montpellier, France, July 10, 2013.

“Evolution and the Levels of Lineage.”
Evolution Meeting, Snowbird, UT, June 23, 2013;
*International Conference on Evolutionary Patterns:
Horizontal and Vertical Transmission and Micro- and
Macroevolutionary Patterns of Biological and Sociocultural Evolution*
Calouste Gulbenkian Foundation, Lisbon, Portugal, May 27, 2013.

“How to Misidentify a Type Specimen.”
POBAM, Madison, WI, June 1-3, 2012;
Natural History Museum of Utah, April 24, 2012.

“Re-Articulating the Individuality Thesis.”
Individuals Across Sciences: A Revisionary Metaphysics?
Paris, France, May 18-19, 2012.

“Positively Misleading Errors.”

Pacific APA (Poster Session), Seattle, WA, Apr. 5-6, 2012;
Intermountain Philosophy Conference, BYU, Nov. 18, 2011;
Northwest Philosophy Conference, Lewis & Clark College, Nov. 5, 2011.

“Multi-Dimensional Evolutionary Trees: Simultaneously Tracking Multi-Level Lineages.”

Philosophy of Science Meeting, Montreal, Quebec, Canada Nov. 5, 2010.

“The Instability of Taxonomic Stability.”

Poster Session: *Evolution Meetings, Portland, Oregon, June 26-27, 2010.*

“Levels of Lineage.”

International Society for History, Philosophy, and Social Studies of Biology, Brisbane, Australia, July 14, 2009.

“Modeling Phylogeny.” Intermountain Philosophy Conference, BYU, Nov. 10, 2006.

“Clade Homologies.”

PhilDevo Meetings, Vancouver, Nov. 5-6, 2006.

“Probability and Systematics: Modeling Phylogeny.”

Evolution Meetings, SUNY Stonybrook, June 24, 2006.

“Applied Phylogenetics & Biological Nomenclature.”

International Society for History, Philosophy, and Social Studies of Biology Biannual Meeting, Guelph, Ontario, July 15, 2005.

“FDISH Meeting Panel Report & Discussion.”

International Society for History, Philosophy, and Social Studies of Biology, Guelph, Ontario, July 14, 2005.

“Are Clades Reproducers?”

Southwest Colloquium in the History and Philosophy of the Life Sciences, Arizona State University, April 1-2, 2005.

“Coherence, Consistency, and Cohesion: Clade Selection in Okasha and Beyond.”

Philosophy of Science Association Meetings, Austin, TX, November, 2004.

Northwest Philosophy Conference, Bellevue Community College, WA, October, 2004.

Berkeley-Stanford-Davis Graduate Student Philosophy Conference, UC Berkeley, May, 2004.

“Invasion Biology and Its Critics.”

2003. International Society for History, Philosophy, and Social Studies of Biology Biannual Meeting, Vienna, Austria, July, 2003.

“On Probability and Systematics: Probability, Possibility and Phylogenetic Inference.”

UC San Diego Graduate Philosophy Conference, UC San Diego, April, 2003.

Berkeley-Stanford Graduate Student Philosophy Conference, Stanford University, May, 2003.

Northwest Philosophy Conference, Lewis & Clark College, October, 2002.

“Thinking About Species.”

Berkeley-Stanford Graduate Student Philosophy Conference, UC Berkeley, May, 2002.

local
service talks
and outreach

“Introduction to Logic.”

- East High Clemente Program, Salt Lake City, UT, May 22, 2019.
- Project Youth (University of Utah outreach to local 6th graders), April 24, 2019.

“The Unwritten Rules of Academia: Asking For a Letter of Recommendation.”

- Preparing for my Next Step: Graduate and Professional School Admission Mini Expo, June 6, 2018.
- Office of Undergraduate Research, Education Series, Sep. 20, 2017; Feb. 1, 2017 (with the Undergraduate Philosophy Club); April 7, 2016.
- The New University Scholars, University of Utah, March 26, 2015.

“The ‘Open-Source’ Classroom: Sharing Power to Enhance Learning.”

Center for Teaching & Learning Excellence Teaching Symposium, Aug. 16, 2012.

“Keyword Discussions: Classroom Activities that Engage Students in the Process of Learning”

TACC Faculty Forum, April 11, 2012.

“Incorporating Turnitin.com In the Classroom.”

TACC Faculty Forum, October 29, 2009.

honors and
awards

2018 *Award of Distinction*, Undergraduate Studies, University of Utah.

2018 *Faculty Member of the Game*, University of Utah Men’s Football.

2018 *Faculty Member of the Game*, University of Utah Men's Basketball.

2016 *Faculty Teaching Award for Excellence in General Education*, University of Utah.

2013 *Ramona W. Cannon Award for Teaching Excellence in the Humanities*, College of Humanities, University of Utah.

2013 *Early Career Teaching Award*, University of Utah.

grants and
fellowships

External Awards

2017-2019. Key Personnel, NNLM MCR (National Network of Libraries of Medicine MidContinental Region) Immersive Workshop Funding, "Building Research Integrity Through Reproducibility—Research Reproducibility Workshop." \$14,000.

2016-2019. PI, NSF Standard Research Grant, "Evolution and the Levels of Lineage." \$299,687.

2007-2008. PI, NSF Workshop Grant, "The Edges & Boundaries of Biological Objects." \$25,000.

2004. Co-PI, NSF Workshop Grant, "Philosophy of Biology Graduate Training ISHPSSB Off-Year Workshop." \$25,000.

2004. Co-PI, ISHPSSB Off-year Workshop Grant, "Philosophy of Biology Graduate Training ISHPSSB Off-Year Workshop."

2002-03. NSF IGERT Biological Invasions Short-Term Fellowship.

1994. Howard Hughes Medical Research Grant.

1993. PEW Undergraduate Summer Research Grant.

Internal Awards

2019 University of Utah College of Humanities Kickstart Award, "Stewardship in the Anthropocene: Science, philosophy, and the human-nature interface in a modern world." \$6,000.

2019. University of Utah College of Humanities International Travel Grant. \$1500.

2016. University of Utah College of Humanities International Travel Grant. \$1500.

2015. University of Utah Faculty Research & Creative Grant, "Biological & Metaphysical Parts." \$2275.

- 2012-13. Obert C. and Grace A. Tanner Humanities Center Research Interest Group Grant, "The Limits of the Self: Immunology and Biological Identity." \$1000.
2012. Open Access Publishing Fund, University of Utah J. Willard Marriott Library. \$3250.
2012. University of Utah College of Humanities International Travel Grant. \$1000.
- 2010-11. Obert C. and Grace A. Tanner Humanities Center Research Interest Group Grant, "Darwinian Populations (Renewal)." \$2000.
- 2009-10. Obert C. and Grace A. Tanner Humanities Center Research Interest Group Grant, "Darwinian Populations." \$2000.
- 2009-10. University Teaching Committee Individual Teaching Grant, "Philosophy of Biology Cafe Upgrade and Upkeep." \$2250.
- 2009-10. Interdisciplinary Teaching Seed Grant, "Phylogenetic Systematics: Teaching and Philosophy."
- 2007-08. Obert C. and Grace A. Tanner Humanities Center Virgil C. Aldrich One-Semester Fellowship in the Humanities.
2006. Obert C. and Grace A. Tanner Humanities Center Workshop Grant, "The Edges & Boundaries of Biological Objects."
2003. UC Davis Center for Population Biology Travel Grant.
2002. UC Davis Center for Population Biology Research Grant.
2002. UC Davis Division of Graduate Studies Graduate Student Summer Research Fellowship.
- 2001-2. UC Davis Division of Social Sciences Second Year Graduate Fellowship.

teaching &
mentorship

Postdoctoral Sponsor

Hamid Seyedsayamdost, 2018-2019

Michael Trestman, 2010-2011.

Graduate Student Advising

Committee Chair

Richard Figueroa Ph.D., 2021 (expected) (co-chair with Carlos Santana).

Dan Molter, Ph.D., 2019 (expected).

Lucas Matthews, Ph.D., 2016 (co-chair with Jim Tabery).

“On Mechanistic Reasoning in Evolutionary Biology”

Jack Anderson, M.S., 2012.

“A Realizable Restriction of the Principle of Indifference.”

Matthew Barney, M.S., 2011.

“Symbolizing the Individuality Thesis.”

Constance Orzechowski, Ph.D., 2009.

“The Philosopher’s Desk Reference: A Guide To The Philosophical Treatment of Infectious Disease.”

Committee Member—University of Utah

Richard Figueroa, MS, 2017

“The Causal Efficacy Of Conservation Actions For Preserving The Short Term Evolvability Of Wild Populations.”

Jack Anderson, Ph.D., 2016

“Practical Reason And The Economic Account Of Choice: An Examination And Defense Of The Possibility Of Choosing Via Trimodal Comparisons.”

Anna Vaughn, Ph.D., 2016

“Making Sense Of The Molyneux Problem: A Defense Of Locke.”

Mike Wilson, Ph.D., 2015

“The Psychological Construction Of Race.”

Landon McBrayer, Ph.D., 2015

“On Naturalism.”

“Cartesian Aseity in the Third Meditation.” (MA., 2013.)

Brandon Bowen, MS, 2015

J. Christopher Jenson, Ph.D., 2013.

“Abandoning Belief: A New Eliminativist Argument.”

John Kippen, MA., 2013.

Christopher Lean, M.S., 2012.

“Evolutionary Medicine: Are Monistic Mechanisms Enough?”

Monika Piotrowska, Ph.D., 2010.

“Part-Humans: How Human Are They And Does It Matter?”

Ongoing: Lindsey Reader (Ph.D., Department of Biology); Melissa Parks (Ph.D., Department of Communication).

External Committee Member/External Reviewer

Chris Lean, Jan. 23, 2019. (Ph.D Examiner)

The Australian National University, Department of Philosophy.
"Ecological Kinds and the Units of Conservation."

Sarah Roe, Aug. 16, 2011. (Prospectus Committee)

UC Davis, Department of Philosophy.
"Mechanisms."

Yann Bertrand, Ph.D. 2008. (Rapporteur)

Muséum National D'Histoire Naturelle, Paris, France.
Département Systématique et Evolution, CNRS
"Relations Entre Nomenclatures, Phylogénie et Mesure de la Biodiversité."

Courses Taught (= graduate course)*

University of Utah:

PHIL 7350*: The Principles of Systematics: The Centrality of Phylogenetic Thinking.

PHIL 7010*: Proseminar.

PHIL 5400/6400*: Metaphysics: How to Make a Mammoth and Engineer a Dinosaur.

PHIL 5370/6370*: How to Make a Mammoth and Engineer a Dinosaur.

PHIL 5192/6192*, BIO 5960/7964*, HONOR 3215: Building Evolutionary Trees: Methods, Theory & Controversy. (With Pat Corneli, Department of Biology.)

PHIL 5192/6192*: POBAM Seminar.

PHIL 4010: Senior Seminar: Naming & Taxonomic Necessity.

PHIL 3520: Bioethics.

PHIL 3370: Philosophy of Biology.

PHIL 3310: Science & Society.

HONOR 3300: Deductive Logic.

PHIL 3210: Foundations of Probability & Statistics.

PHIL 3200: Deductive Logic.

UGS 2250/5: Medical Humanities (BlockU). (co-taught)

UC Davis:

Philosophy Seminar*: Causality and Causal Explanation (co-taught).

Center for Population Biology Seminar*: Species Concepts and Conservation Biology (co-taught).

PHI 108: Philosophy of Biology.

PHI 30: Introduction to Philosophy of Science.

PHI 15: Bioethics.

PHI 12: Introduction to Symbolic Logic.

workshops &
conferences
organized

POB@M: Philosophy of Biology at the Mountains (May 17-18, 2018), University of Utah.

Species in the Age of Discordance, (June 23, 2017), Portland, OR.

- Selected as a *Society of Systematic Biologists (SSB)* Pre-Conference Workshop at the 2017 *Evolution Meeting*.
- 6 speakers (3 biologists, 3 philosophers) spoke to a capacity crowd of 70 registrants.
- Supported by NSF Standard Research Grant.

Species in the Age of Discordance (March 23-25, 2017), University of Utah.

- 31 talks and 10 posters from an interdisciplinary mix of biologists, philosophers, historians, and social scientists of biology, ranging from graduate students to senior researchers. Participants traveled from 9 countries and 4 continents.
- Supported by NSF Standard Research Grant.

The Third Biennial Mentoring Workshop For Early-Career Women in Philosophy, University of Utah (June 2017).

ISHPSSB: International Society for History, Philosophy, and Social Studies of Biology (July 2011).

- Attended by approximately 500 participants from 27 countries and five continents.
- With colleague Jim Tabery, raised \$50,000 from a wide interdisciplinary coalition of sponsors on and around the University of Utah Campus.

Biohumanities Public Forum (July, 2011).

- A public forum complementing ISHPSSB held at the downtown Salt Lake City Public Library, directly engaging the public in academic work in the biohumanities.
- July 7 forum was “Birds, Dinosaurs, and Human Nature,” with Randall Irmis (Utah Department of Geology & Geophysics and Natural History Museum of Utah) and Matt Haber.
- July 14 forum was “Evolution, Gender, and Sexuality,” with Lisa Diamond, Lisa Lloyd, and John Dupré.

- Attended by approximately 150-200 people.

The Edges and Boundaries of Biological Objects (Spring, 2008).

- An NSF funded interdisciplinary workshop bringing together biologists and philosophers to discuss and debate philosophical problems raised by individuating various objects in biology.

Southwest Colloquium in History and Philosophy of Science (Spring, 2006).

- Graduate student colloquium featuring presentations, graduate / faculty workshops, and intercampus network building exercises.

FDISH: Future Directions in ISHPSSB (September, 2004).

- A Philosophy of Biology graduate training workshop, and the first ISHPSSB off-year workshop. Introduced "Happy Office Hours."
- With co-organizers, raised grant money and support valued over \$25,000 from twelve separate sources, ranging from federal granting agencies, to international organizations, to local institutions.
- 85 participants (60 graduate students and 25 faculty) attended, from 44 institutions in the US, Australia, Canada, India, Mexico, Japan, the Netherlands, New Zealand, and the UK. Travel stipends were made available to all students.

Center for Population Biology Evolution Workshop: John Huelsenbeck (2003).

- Organized annual week-long seminar series for the UC Davis Center for Population Biology.

**special
training**

"UC Davis Workshop in Applied Phylogenetics."

Bodega Marine Laboratory, Bodega Bay, CA, May 7–14, 2005.

"Perspectives on Molecular Evolution."

MBL-Dibner Seminar in the History of Biology Series, Marine Biological Laboratories, Woods Hole, MA, May 2004.

UC Davis Biological Invasions IGERT Core Graduate Course and NSF Short-Term Fellow, Fall 2003.

Research Assistant, Huelsenbeck Phylogenetics Lab.

University of Rochester, Summer 2001 & 2002.

**service to the
profession**

Professional Societies:

- PhilInBioMed Steering Committee 2018–Present.
- ISHPSSB: (Graduate Student Council Member 2001–2005; Off-year

Workshop Committee 2005–2007; 2015–2019; Local Organizing Committee 2009–2011; Site Selection Committee 2013–2019; Program Committee 2017–2019).

Reviewer/Referee:

Editorial Boards: *Biology & Philosophy* (2017–present)

External Review Team: Department of Languages, Philosophy and Communication Studies, Utah State University, Spring 2018.

Conferences: Philosophy of Biology @ Madison (POB@M), 2014.

Granting Institutions: National Science Foundation (NSF); Social Sciences and Humanities Research Council of Canada (SSHRC); The Council for the Humanities of the Netherlands Organisation for Scientific Research (NWO).

Journals: *Adaptive Behavior; Biological Journal of the Linnean Society; Biological Reviews; Biological Theory; Biology and Philosophy; BioMed Central; BioScience; The British Journal for the Philosophy of Science; Cladistics; Erkenntnis; European Journal for Philosophy of Science; Evolutionary Biology; History and Philosophy of the Life Sciences; International Studies in the Philosophy of Science; Journal of the History of Biology; Journal of Medical Ethics; Perspectives on Science; Philosophical Quarterly; Philosophy Compass; Philosophy of Science; Philosophy & Theory in Biology; Studies in History and Philosophy of Science; Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences; Synthese; Systematic Biology; Theory in Biosciences; Topics in Contemporary Philosophy.*

Publishing Houses: Blackwell Publishing; Oxford University Press; University of California Press.

Local Advisory Boards:

- NIH GURU Program Advisory Board. 2018–Present.
- UCEER Advisory Committee. 2017–Present.
- CECE Academic Programs Advisory Committee. 2018–Present.
- Tanner Humanities Center Advisory Board. 2010–Present.