

## MARC ERESHEFSKY

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**Website:** <http://wpsites.ucalgary.ca/marc-ereshefsky>

**Citizenship:** Canada, USA

### **Areas of Scholarly Expertise**

Philosophy of Science, Philosophy of Biology, Metaphysics, and Philosophy of Medicine

### **Education**

University of Wisconsin-Madison, Ph.D., 1988, Philosophy  
University of Wisconsin-Madison, M.A., 1984, Philosophy  
University of California-Berkeley, B.A., 1981, Philosophy

### **Academic Positions**

Professor, Department of Philosophy, University of Calgary, July 2002-present.

Member, Institute for Biocomplexity and Informatics, University of Calgary, July 2007-2009.

Associate Professor, Department of Philosophy, University of Calgary, July 1995-June 2002.

Assistant Professor, Department of Philosophy, University of Calgary, July 1991-June 1995.

Visiting Assistant Professor, Department of Philosophy, Washington University, September 1989-May 1990.

### **Grants and Awards**

The article “Defining ‘Health’ and ‘Disease’” cited by the journal *Studies in the History and Philosophy of Biological and Biomedical Sciences* as one of their top twenty articles (by citations and downloads) in the last twenty years, November 2018.

SSHRC Connection Grant 2017. Co-Investigator. Grant Value \$25,000. Project title: “Fossil Dialogues: Paleontology and the Humanities.”

SSHRC Insight Grant, 2016-2022. Principle Investigator. Grant Value \$80,666. Project title: “Natural Kinds, Classification, and Scientific Practice.” Ranked 2nd out of 54 philosophy applications.

SSHRC Connection Grant 2014. Principal Applicant. Grant Value \$19,825. Project title: “Calgary Summit of Philosophers of Science.”

Eyes High Post-Doctoral Recruitment Grant, University of Calgary, 2014-2016. Value: \$100,000.

SSHRC Insight Grant, 2011-2015. Principal Investigator. Grant value: \$66,190. Project title: “Evolution and the Triumph of Homology, or Why History Matters.” Ranked 8th out of 91 philosophy applications.

CIHR Open Operating Grant, 2010-2013. Grant value: \$669,000. One of four principal applicants. \$75,000 for Ereshefsky’s subproject. Project Title: “Modeling and Mapping Microbial Diversity.”

The Leverhulme Trust, United Kingdom. 2008-2010. Grant value: £69,169. Project Title: “Questioning the Tree of Life.” Co-applicant.

SSHRC Standard Research Grant. Principal Investigator. 2007-2011. Grant value: \$74,103. Ranked 3rd out of 88 philosophy applications. Project Title: “A Philosophical Study of Biology Homology.”

SSHRC Release Time Stipend Award, 2007-2010. Grant value: \$30,000.

CIHR Open Operating Grant. 2003-2009. Project Title: “The Study of Social and Physical Environments of Health.” Grant value: \$2,398,491. One of seven investigators.

SSHRC Standard Research Grant. Principal Investigator. 2002-2005. Grant value: \$41,450.

Research Excellence Envelope Grant, University of Calgary, September 2001.

SSHRC Development Grant, University of Calgary, May 2000.

Life Member, Clare Hall College, Cambridge University, January 2000-present.

Students Union Teaching Excellence Award, University of Calgary, 1998-1999.

National Science Foundation (U.S.A). Project title: “Problems with the Linnaean Hierarchy.” Grant value: \$90,000 USD. January 1994-December 1994.

Starter Grant, University Research Grants Committee, University of Calgary, November 1992-October 1993.

### **Fellowships**

Visiting Scholar, Centre Interuniversitaire de Recherche sur la Science et la Technologie, University of Quebec at Montreal, September-December 2016.

Visiting Scholar, Department of Philosophy, Graduate Center, CUNY, January-May 2013.

Fellowship, The Calgary Institute for the Humanities, September 2006-August 2007.

Visiting Fellow, Clare Hall College, Cambridge University, August-December 1999.

Visiting Scholar, Department of History and Philosophy of Science, Cambridge University, August 1999-December 1999.

Killam Resident Fellowship, University of Calgary, September 1997-December 1997

Fellowship, The Calgary Institute for the Humanities, September 1995-August 1996

Visiting Fellow, Center for Philosophy of Science, University of Pittsburgh, January 1994-June 1994.

Mellon Post-Doctorate Fellow, Department of Philosophy, Washington University, September 1990-May 1991.

Post-Doctorate Fellow, Department of Philosophy, Northwestern University, September 1988 -June 1989.

### **Publications**

#### Books:

*The Units of Evolution: Essays on the Nature of Species*, edited with introductory essays for Bradford Books / MIT Press, 1992.

Reviewed in *The Times Literary Supplement*, *Nature*, *BioScience*, *Philosophical Books*, *Studies in the History and Philosophy of Science*, *Biology and Philosophy*.

*The Poverty of the Linnaean Hierarchy: A Philosophical Study of Biological Taxonomy*. Cambridge University Press 2001. Reissued 2007.

Reviewed in *The Chronicle of Higher Education*, *The Globe and Mail*, *Nature*, *Science*, *BioScience*, *Quarterly Review of Biology*, *Philosophy of Science*, *Cladistics*, *Journal of the History of Biology*, *Biology and Philosophy*, *History and Philosophy of the Life Sciences*.

Articles, Chapters, and Entries (Peer-Reviewed):

1. "Axiomatics and Individuality: A Reply to Mary Williams' 'Species Are Individuals'." *Philosophy of Science*, (1988), 55, pp. 427-434.
2. "Individuality and Macroevoolutionary Theory." In Fine and Leplin (eds.), *PSA 1988*, (1988), 1, pp. 216-222, Philosophy of Science Association.
3. "Where's the Species?: Comments on the Phylogenetic Species Concepts." *Biology and Philosophy*, (1989), 4, pp. 89-96.
4. "The Semantic Approach to Evolutionary Theory." *Biology and Philosophy*, (1991), 5, pp. 7-28.
5. "Species, Higher Taxa, and the Units of Evolution." *Philosophy of Science*, (1991), 58, pp. 84-101.
6. "Metaphysics and Biological Systematics." *Studies in History and Philosophy of Science*, (1991), 22, pp. 525-532.
7. "The Historical Nature of Evolutionary Theory." In Nitecki (ed.), *History and Evolution*, (1992), pp. 81-99, State University of New York Press.
8. "Eliminative Pluralism." *Philosophy of Science*, (1992), 59, pp. 671-690. Reprinted in D. Hull and M. Ruse (eds.), *Philosophy of Biology*, Oxford University Press (1998).
9. "Some Problems with the Linnaean Hierarchy", *Philosophy of Science*, (1994), 61. pp. 186-205.
10. "Critical Notice: John Dupre's *The Disorder of Things*," *Canadian Journal of Philosophy*, (1995), 25, pp. 143-158.
11. "Pluralism, Normative Naturalism, and Biological Classification." In Hull and Burian (eds.), *PSA 1994*, (1995), Volume 2, pp. 382-389. Philosophy of Science Association.
12. "The Evolution of the Linnaean Hierarchy," *Biology and Philosophy* (1997), 12, pp. 493-519.
13. "Species Pluralism and Anti-Realism," *Philosophy of Science* (1998), 65, pp. 103-120.
14. "Species and the Linnaean Hierarchy." In R. Wilson (ed.), *Species: New Interdisciplinary Essays*, MIT Press, (1999), pp. 285-306.
15. "Names, Numbers and Indentations: A Guide to Post-Linnaean Taxonomy," *Studies in the History and Philosophy of Biology and Biomedical Sciences* (2001), 32, pp. 361-383.
16. "Philosophy of Biological Classification." In *Nature Encyclopedia of Life Sciences*, (2001), Nature Publishing Group. Online version: [www.els.net](http://www.els.net). Reprinted in *Handbook of Plant*

*Science*, Keith Roberts (editor), Wiley Publishers (2007)

17. "Linnaean Hierarchy: Vestiges of a Bygone Era," *Philosophy of Science* (2002) 69, pp. S305-S315.
18. "Bridging the Gap Between Human Kinds and Biological Kinds," *Philosophy of Science* (2004) 71, pp. S912-921.
19. "The Dynamics of the Linnaean Hierarchy," *Bulletin d'Histoire et d'Epistemologie des Sciences de la Vie* (2004) 11, pp. 175-193.
20. Marc Ereshefsky and Mohan Matthen, "Taxonomy, Polymorphism and History: An Introduction to Population Structure Theory," *Philosophy of Science* (2005) 72, pp. 1-21.
21. "Species, Taxonomy, and Systematics." In Matthen and Stephens (eds.) *The Handbook of Philosophy of Biology*, (2007), Elsevier Publishing, pp. 403-428. Reprinted in *Philosophy of Biology: An Anthology*, Rosenberg and Arp (eds.). (2009).
22. "Where the Wild Things Are: Environmental Preservation and Human Nature," *Biology and Philosophy* (2007), 22, pp. 57-72. Portions reprinted in *Alberta Views*, July 2012.
23. "Foundational Issues Concerning Taxa and Taxon Names," *Systematic Biology*, (2007), 56, pp. 295-301.
24. "Psychological Categories as Homologies: Lessons from Ethology," *Biology and Philosophy*, (2007), 22, pp. 659-674.
25. "Systematics and Taxonomy." In Sarkar and Plutynski (eds.) *A Companion to Philosophy of Biology*, (2008), Blackwell Publishing, pp. 99-118.
26. "Defining 'Health' and 'Disease'," *Studies in the History and Philosophy of Biology and Biomedical Sciences*, (2009), 40, pp. 221-227. Cited as one of the top twenty articles (by citations and downloads) in the last twenty years by this journal.
27. E. Baptiste, M. O'Malley, R. Beiko, M. Ereshefsky, J. Gogarten, L. Franklin-Hall, F. Lapointe, John Dupré, T. Dagan, Y. Boucher, W. Martin, "Prokaryotic evolution and the tree of life are two different things," *Biology Direct*, (2009), 4, doi 10.1186/1745-6150-4-34.
28. "Natural Kinds in Biology." In E. Craig (ed.) *Routledge Encyclopedia of Philosophy* (2009). On line version: <http://www.rep.routledge.com/article/Q124>.
29. "Homology: Integrating Phylogeny and Development," *Biological Theory*, (2009), 4, pp. 224-229.
30. "Darwin's Solution to the Species Problem," *Synthese*, (2010), 175, pp. 405-425.

31. "What's Wrong with the New Biological Essentialism," *Philosophy of Science*, (2010), 77, pp. 674-685
32. "Microbiology and the Species Problem," *Biology and Philosophy*, (2010), 25, pp. 553-568.
33. "Mystery of Mysteries: Darwin and the Species Problem," *Cladistics* (2011), 27, pp. 67-79.
34. J. Boenigk, M. Ereshefsky, K. Hoef-Emden, J. Mallet, and B. Bass, "Concepts in Protistology: Species Definitions and Boundaries," *European Journal of Protistology*, (2012), 48, pp. 96-102.
35. "Homology Thinking," *Biology and Philosophy* (2012), 27. Pp. 381-400.
36. "Species and Taxonomy," *The Routledge Companion to the Philosophy of Science*, 2<sup>nd</sup> Edition, Curd and Pisllos (eds.) (2013), pp. 523-530.
37. Marc Ereshefsky and Makmiller Pedroso, "Biological Individuality: The Case of Biofilms," *Biology and Philosophy* (2013), pp. 332-349.
38. "Consilience, Historicity, and the Species Problem." In *Evolutionary Biology: Conceptual, Ethical, and Religious Issues*, Thompson and Walsh (eds.), Cambridge University Press (2014), pp. 65-86.
39. "Species, Historicity, and Path Dependency," *Philosophy of Science* (2014), 81, pp. 714-726
40. Marc Ereshefsky and Thomas Reydon, "Scientific Kinds," *Philosophical Studies* (2015), 172, pp. 969-986.
41. Marc Ereshefsky and Makmiller Pedroso. "Rethinking Evolutionary Individuality," *Proceedings of the National Academy of Sciences* (2015), 112, pp. 10126-10132.
42. Marc Ereshefsky and Makmiller Pedroso, "What biofilms can teach us about individuality." In *Individuals across the sciences*, Guay and Pradeu (eds.), Oxford University Press (2016), pp. 103-121.
43. "Species." In the *Stanford Encyclopedia of Philosophy*. (Originally published in 2002. Significantly revised in 2017). On line version: [www.plato.stanford.edu](http://www.plato.stanford.edu).
44. "Natural Kinds, Mind Independence, and Defeasibility," *Philosophy of Science* (2018), 85, pp. 845-856.
45. Marc Ereshefsky and Derek Turner "Historicity and Explanation," *Studies in the History and Philosophy of Science* (2020), 80, pp. 47-55.
46. Thomas Reydon and Marc Ereshefsky "How to Incorporate Non-Epistemic Values into a

Theory of Classification,” *European Journal for Philosophy of Science* (2022) volume 12, Article number: 4 (2022)

47. Marc Ereshefsky and Thomas Reydon “The Grounded Functionality Account of Natural Kinds,” In *From Biological Practice to Scientific Metaphysics. Minnesota Studies in the Philosophy of Science*, William Bausman, Janella Baxter, Oliver Lean, Alan Love, and Ken Waters (eds), Minnesota University Press (forthcoming).

#### Chapters (not peer-viewed)

1. “Making Normal People.” In *Designing Humans: Planning the Perfect Gene Pool*, (2001), Calgary Institute for the Humanities.
2. “Darwin e la natura delle specie.” In Lorenzo Calabi (ed.) *Il futuro di Darwin. La specie*”, pp. 3-22. UTET Libreria, Torino, (2009).

#### Book Reviews

1. Paul Thompson’s *The Structure of Biological Theories*. In *The Quarterly Review of Biology*, March 1990.
2. Georges Canguilhem’s *Ideology and Rationality in the History of the Life Sciences*. In *The Quarterly Review of Biology*, March 1990.
3. Ernst Mayr’s *Toward a New Philosophy of Biology*. In *Philosophy of Science*, December 1990.
4. Elliott Sober’s *Reconstructing the Past*. In *Canadian Philosophical Review*, June 1993.
5. Daniel Dennett’s *Darwin’s Dangerous Idea*. In *Dialogue*, Summer 1997.

#### **Presentations to Academic Audiences**

1. "Are Species are Neither Sets Nor Individuals?" International Society for the History, Philosophy, and Social Sciences of Biology, Biennial Meeting, June 1987.
2. "The Ontological Status of Species." Department of History and Philosophy of Science, University of Indiana-Bloomington.
3. "The Ontological Status of Species." Department of Philosophy, Reed College, February 1988.
4. "Individuality and Macro-Evolutionary Theory." The Philosophy of Science Association, Eleventh Biennial Meeting, October 1988.

5. "The Concept of Individuality in Evolutionary Theory." Center for Interdisciplinary Studies of Science and Technology, Northwestern University, November 1988.
6. "The Philosophy of Biology." Department of Philosophy, Grinnell College, February 1989.
7. "The Historical Nature of Evolutionary Theory." Twelfth Annual Spring Systematics Symposium, Field Museum of Natural History, May 1989.
8. "Why Do Species Matter?" The International Society for the History, Philosophy, and Social Sciences of Biology, Biennial Meeting, June 1989.
9. "Species, Higher Taxa, and the Units of Evolution." Department of Philosophy, Washington University St. Louis, September 1989.
10. "Species, Higher Taxa, and the Units of Evolution." Department of Philosophy, Iowa State University, February 1990.
11. "What Distinguishes Species from Higher Taxa?" American Philosophical Association, Pacific Division Meeting, March 1990.
12. "The Semantic Approach to Evolutionary Theory." Department of Philosophy, Washington University, October 1990.
13. "The Death of Essentialism in Evolutionary Biology." The Department of Philosophy, University of Missouri, January 1991.
14. "The Death of Essentialism in Evolutionary Biology." Department of Philosophy, Case-Western Reserve University, February 1991.
15. "The Death of Essentialism in Evolutionary Biology." Department of Philosophy, University of Calgary, February 1991
16. "The Death of Essentialism in Evolutionary Biology." Department of Philosophy, Washington University St. Louis, March 1991.
17. "The Death of Essentialism in Evolutionary Biology." Department of Philosophy, Clemson University, April 1991.
18. "The Death of Essentialism in Evolutionary Biology." Ecology Division of the Department of Biology, University of Calgary, October 1993.
19. "Eliminative Pluralism." Canadian Philosophical Association, Annual Meeting, May 1992.
20. "When Theory Outstrips Representation." Canadian Society for the History and



Philosophy of Science, Annual Meeting, May 1992.

21. "Some Problems with the Linnaean Hierarchy." Department of Philosophy, University of Calgary, October 1992.
22. "Representing Nature: A Pluralistic Account." Western Canadian Philosophical Association, October 1993.
23. "Some Problems with the Linnaean Hierarchy." Center for the Philosophy of Science, University of Pittsburgh, February 1994.
24. "Linnaeus: An Historical Introduction." Department of History and Philosophy of Science, University of Pittsburgh, March 1994.
25. "Pluralism, Normative Naturalism, and Biological Classification." The Philosophy of Science Association, Thirteenth Biennial Meeting, October 1994.
26. "Unity and Disunity in Biological Classification." Department of Philosophy, University of Alberta, March 1995.
27. "Biology and the Philosophy of Classification." Calgary Institute for the Humanities, November 1995.
28. "Is There a Human Nature? What Biology Tells Us." Associates Program Meeting, University of Calgary, February 1996.
29. "The Evolution of the Linnaean Hierarchy." The Calgary Institute for the Humanities, March 1996.
30. "Realism and Species Pluralism." The 3rd Quadrennial International Fellows Conference for the Pittsburgh Center for the Philosophy of Science, Castiglioncello, Italy, May 1996.
31. "What's Natural about Human Nature?" Humanities Faculty Seminar, University of Calgary, November 1996.
32. "Comments on Gannett's 'What's in a Cause?'" Canadian Philosophical Association, Annual Meeting, May 1997.
33. "Species, Natural Kinds, and Realism." Canadian Philosophical Association, Annual Meeting, May 1997.
34. "The Philosophy of Biology." A presentation to the Killam Foundation Board of Trustees, October 1997.
35. "Realism, Pluralism, and Biological Classification." Minnesota Center for the Philosophy of Science, April 1999.

36. "The Evolution of the Linnaean Hierarchy." Minnesota Center for the Philosophy of Science, April 1999.
37. "Linnaean Ranks: Vestiges of a Bygone Era." Philosophy of Science Association Meeting, November 2000.
38. "The Future of the Linnaean Hierarchy." Evolutionary Studies Group, Dalhousie University, March 2001.
39. "Making Normal People." Department of Philosophy, Dalhousie University, March 2001.
40. "Species." Department of Philosophy, Rutgers University, April 2002.
41. "Doing Away with the Linnaean Hierarchy." Department of Philosophy, Rutgers University, April 2002.
42. "Philosophical Issues in Biological Taxonomy." History and Philosophy Research Group, University of Calgary. October 2002.
43. "Bridging the Gap Between Human Kinds and Biological Kinds." Western Canadian Philosophical Association, University of Calgary, October 2002.
44. "Bridging the Gap Between Human Kinds and Biological Kinds. Philosophy of Science Association, Milwaukee, November 2002.
45. "Evolution of the Linnaean Hierarchy." Pasteur Institute, Paris, November 2002.
46. "Replacing the Linnaean Hierarchy. A Pragmatic Approach." Field Museum, Chicago, May 2003
47. "Does Biology Need a New System of Classification?" Department of Philosophy, University of British Columbia, November 2003.
48. "Are Humans Unnatural? Environmental Preservation and the Human/Nature Dichotomy." The Calgary Institute for the Humanities, May 2004.
49. "Taxonomy and Explanation." International Fellows Conference for the Pittsburgh Center for the Philosophy of Science, Rytro, Poland, May 2004.
50. "Standardizing Complex Interventions – Lessons from Evolutionary Biology." CIHR International Collaborate Center Workshop, University of Calgary, October 2004.
51. "It Ain't Naturally So, or Health and Disease from an Evolutionary Perspective." Medical Humanities Group, Washington University, St. Louis, November 2004.

52. "Does Biology Need a New System of Classification?" History and Philosophy of Science Group, Washington University, St. Louis, November 2004.
53. "Taxonomy, Polymorphism, and Explanation." Department of Philosophy, Washington University, St. Louis, November 2004.
54. "Where the Wild Things Are: Wilderness and the Human/Nature Dichotomy." Environmental Ethics, Science and Policy Conference, University of Utah, April 2005.
55. "Where the Wild Things Are: Wilderness and the Human/Nature Dichotomy." University of Sydney, Australia, July 2005.
56. "Eliminating 'Health' and 'Disease,'" Exeter University, UK, November 2005.
57. "Defining 'Health' and 'Disease,'" Claremont College, California, February 2006; Calgary Institute for the Humanities, February 2007.
58. "Foundational Issues in Biological Taxonomy", Department of Biology, University of Calgary, November 2006.
59. "Behavioral Homology and Psychological Categories", Evo-Devo Workshop, Vancouver, November 2006.
60. "The Importance of Homology in Biology and Philosophy," Calgary Institute for the Humanities, December 2006.
61. "Biohumanities and Homology Thinking," Workshop on a New Social Calculus, Kananaskis Field Station, April 2007.
62. "Psychological Categories as Homologies: Lessons from Ethology," International Society for the History, Philosophy, and Social Sciences of Biology, Exeter University, UK, July 2007.
63. "Darwin's Solution to the Species Problem," Keynote address, Darwin Conference, University of Pisa, November 2007.
64. "Darwin's Solution to the Species Problem," Field Museum, Chicago, January 2008.
65. "Darwin's Solution to the Species Problem," Plenary talk, Metaphysics of Science Conference, Bristol University, June 2008
66. "Homology," Department of Philosophy, University of Utah, March 2008.

67. "What's Wrong with the New Biological Essentialism," Western Canadian Philosophical Association, Edmonton, October 2008.
68. "What's Wrong with the New Biological Essentialism," Philosophy of Science Association, Pittsburgh, November 2008.
69. "Microbes and Species," Philosophy of Science Association, Pittsburgh, November 2008.
70. "Darwin and the Nature of Species," Evolutionary Biology Group, University of Wisconsin, Madison, January 2009.
71. "The New Biological Essentialism," Annual Philosophy of Science Conference, Dubrovnik, April 2009.
72. "Mystery of Mysteries: Darwin and the Nature of Species," Darwin celebration at the University of Dalhousie, October 2009.
73. "Mystery of Mysteries: Darwin and the Nature of Species," Darwin Celebration, University of Toronto, November 2009.
74. "Mystery of Mysteries: Darwin and the Nature of Species," Department of Philosophy, University of UBC-Okanogan, January 2010.
75. "Homology Thinking," POBAM Workshop, University of Wisconsin, Madison, May 2010.
76. "The Future of 'Species' in Microbiology," Questioning the Tree of Life Workshop, London, UK, July 2010.
77. "History and the Triumph of Homology," Philosophy of Science Association, Montreal, November 2011.
78. "The Species Problem in Microbiology," University of Dalhousie, June 2011.
79. "Revisiting the Conceptual Basis of Species," Keynote address, European Protistology Society, Berlin, July 2011.
80. "History, Explanation, and Homology Thinking," Department of Philosophy, University of Western Ontario, March 2012.
81. "Toward an account of individuality: the case of microbial consortia," Université Paris Sorbonne, May 2012
82. "Scientific Kinds," University of Mugla, Turkey, June 2012.
83. "Clarifying the Historical Nature of Species," Philosophy of Science Association, San

Diego, November 2012.

84. "Scientific Kinds: A Critique of HPC Theory and a Proposal for an Alternative Account," European Philosophy of Science Association, Helsinki, August 2013.
85. "Natural Kinds: The Stuff of Metaphysics or Scientific Practice?" Department of Philosophy, University of Calgary, February 2014.
86. "Natural Kinds and Scientific Practice," Calgary Summit of Philosophers of Science, September 2014.
87. "Evolutionary Individuality," Sackler Colloquium, National Academy of Sciences, Irvine, California, October 2014.
88. "Evolutionary Individuality," Philosophy of Biology Research Group, University of Calgary, October 2014.
89. "Philosophy of Science," Kinesiology and Biomedical Engineering Graduate Student Association, University of Calgary, April 2015.
90. "Norms, Kinds and Biological Practice," International Society for the History, Philosophy, and Social Sciences of Biology, University of Quebec, Montreal, July 2015.
91. "The Contingent and Pluralistic Nature of Individuality," Symbiotic Processes Workshop, University of Exeter, UK, November 2015.
92. "Science and Metaphysics: Lessons from Microbiology," Minnesota Center for Philosophy of Science, February 2016.
93. "Science and Metaphysics: Lessons from Microbiology," Canadian Philosophical Association, Calgary, May 2016
94. "Science and Metaphysics: Lessons from Microbiology," Department of Philosophy, University of Quebec, Montreal, September 2016.
95. "Natural Kinds, Classification, and Scientific Practice," Department of Philosophy, Concordia University, October 2016
96. "Natural Kinds, Classification, and Scientific Practice," Department of Philosophy, University of Quebec at Montreal, October 2016.
97. "Natural Kinds, Classification, and Scientific Practice," Department of Philosophy, University of Toronto, November 2016.
98. "Natural Kinds, Classification, and Scientific Practice," Department of Philosophy, University of Montreal, November 2016.

99. “Natural Kinds, Mind Dependence, and Defeasibility,” Philosophy of Science Association, Atlanta, November 2016.
100. “‘Species’ Begone? A Lesson in Pluralism and Pragmatism,” Species in the Age of Discordance Conference, University of Utah, Salt Lake City, April 2017.
101. “Balancing Naturalism and Normativity: Answering Hacking’s Pessimism about Natural Kinds,” Calgary Institute, Templeton Foundation, Banff, June 2017.
102. “Answering Hacking’s Pessimism about Natural Kinds,” Department of Philosophy, University of Calgary, December 2017.
103. “Historicity and Explanation,” Keynote address, University of Calgary Graduate Association Annual Conference, May 2018.
104. “Historical Kinds,” Canadian Philosophical Meeting, Montreal, June 2018.
105. “Species and Human Nature,” Keynote address. The Concept of Species and its Normative Dimension Conference, Berlin, June 2018.
106. “Historicity and Historical Narratives,” Philosophy of Science Association, Seattle, November 2018.
107. “The Grounded Functionality Account of Natural Kinds,” Greater Cascadia History and Philosophy of Science Workshop, Vancouver, May 2019.
108. “How to Incorporate Non-Epistemic Values in a Theory of Classification,” International Society for the History, Philosophy, and Social Sciences of Biology, University of Oslo, Oslo, July 2019.

## **Post-Docs and Graduate Students Supervised**

### Post-Docs Supervised

1. Adrian Currie (Lecturer at the University of Exeter)
2. Dean Rickles (Professor at the University of Sydney)
3. Frank Zender
4. Bengt Auzten (Research Associate at the University of Bristol)

### Ph.D. Students Supervised

1. Ph.D., Alican Basdemir (in program)
2. Ph.D., Archie Fields III (Degree Completed November 2021)
3. Ph.D., Soohyun Ahn (Degree Completed November 2021)
4. Ph.D., Celso Neto (Degree Completed July 2020, Tenure track lecturer at Exeter University)

5. Ph.D., Sinan Sencan (Degree Completed November 2018, Deceased)
6. Ph.D., Alison Renas (Degree Completed April 2017, Tenure Track Assistant Professor, University of Massachusetts)
7. Ph.D., Brandon Holter (Degree Completed January 2014, Lecturer, East Tennessee State University)
8. Ph.D., Makmiller Pedroso (Degree Completed April 2013, Associate Professor, Towson University)
9. Ph.D., Michael Steiner (Degree Completed September 2011, Senior Business Analyst, TC Energy)
10. Ph.D., Travis Dumsday (Degree Completed March 2010, Canada Research Chair, Concordia University of Edmonton)
11. Ph.D., Jennifer Runke (Degree Completed April 2008, Lawyer, Joss Law)
12. Ph.D., Jesse Hendrikse (Degree completed November 2005, Lecturer, Department of Community Health Sciences, University of Calgary)
13. Ph.D., Jay Odenbaugh (Degree Completed September 2001, Professor, Lewis and Clark College)
14. Ph.D., David Baumslag (Degree Completed, May 1997)
15. Ph.D., Mohamed El Samahi (Degree Completed, June 1996)

*M.A. Students Supervised*

1. M.A., Chloe Stephenson (Degree Completed April 2021, working at the European Centre for Disease Prevention and Control)
2. M.A., Michelle Pham (Degree Completed June 2012, PhD. student at University of Washington)
3. M.A., Shari Monner (Degree Completed July 2011, PhD. student at Western University)
4. M.A., Sky Coulter (Degree Completed September 2007)
5. M.A., Michael Steiner (Degree Completed June 2007, Senior Business Analyst, TC Energy)
6. M.A., Clement Loo (Degree Completed June 2006, Assistant Professor, University of Minnesota, Morris)
7. M.A., Shawna Boyle (Degree Completed August 2002)
8. M.A., Jesse Hendrikse (Degree Completed July 1998, Lecturer, Department of Community Health Sciences, University of Calgary)
9. M.A., Barrett Wolski (Degree Completed July 1994)

*Ph.D. External Examiner*

1. Ph.D. Program, Philosophy, CUNY GC, Leonard Finkelman, May 2013.
2. Ph.D. Program, Philosophy, University of British Columbia, Yuichi Amitani, July 2010.
3. Ph.D. Program, Philosophy, Boston University, Gal Kober, April 2009.
4. Ph.D. Program, Philosophy, University of British Columbia, Athena Ogden, January 2002.
5. Ph.D. Program, Philosophy, York University, David Stamos, March 1996.