

MARGA VICEDO
Curriculum Vitae

A. BIOGRAPHICAL INFORMATION

1. Personal

Institute for the History and Philosophy of Science and Technology
Victoria College, Room 314
University of Toronto
91 Charles Street West
Toronto, Ontario M5S 1K7
Canada

E-mail: marga.vicedo@utoronto.ca

2. Degrees

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|------|-------|--|
| 2005 | Ph.D. | History of Science, Harvard University |
| | | Thesis Title: Human Nature and Mother Love: A History of the Maternal Instinct |
| | | Supervisors: Peter Galison, Everett Mendelsohn |
| | | Committee: Lorraine Daston, Richard Lewontin |
| 1987 | Ph.D. | Philosophy of Science, University of Valencia, Spain |
| | | Thesis Title: Scientific Realism and the Concept of the Gene |
| 1984 | M.A. | Philosophy, University of Valencia, Spain |
| 1984 | B.A. | Philosophy, University of Valencia, Spain |

3. Appointments

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| July 2015 – July 2016 | Fellowship Member, School for Historical Studies, Institute for Advanced Studies, Princeton |
| July 2012- July 2015 | Director of Undergraduate Studies, IHPST, University of Toronto |
| Sep 2011- June 2012 | Visiting Scholar, History of Science Department, Harvard University |
| July 2011-present | Associate Professor with tenure, History of Science, IHPST, University of Toronto |

July 2006 - 2011	Assistant Professor, History of Science, Institute for the History and Philosophy of Science and Technology (IHPST), University of Toronto
2012-present	Permanent Fellow of Victoria College, University of Toronto
2008-present	Affiliate, Centre for the Study of the United States, University of Toronto
2005-2006	Postdoctoral Fellow, Max Planck Institute for the History of Science, Berlin
1999-01	Associate Professor of Philosophy with tenure, Arizona State University
1992-2001	Affiliated Professor, Philosophy Department, Arizona State University
1992-98	Assistant Professor of Philosophy, Dept. of Integrative Studies, Arizona State University, West campus
1991-92	Assistant Professor of Philosophy, University of Salamanca, Spain

4. Awards and Honors

Dean's Small Group Award, University of Toronto, 2016

Dean's Award, University of Toronto, 2013

Dibner Institute for the History of Science and Technology, MIT, Pre-doctoral Fellowship, 2003-2004

Harvard University, GSAS Merit - John Parker Doctoral Scholarship, 2002

Harvard University, Javier Arango Graduate Fellowship in the History of Science, 1999

Visiting Researcher, Museum of Comparative Zoology, Harvard University, 1998

Visiting Fellow, University of Wisconsin, Madison, 1991

Ministry of Education and Science (Spain) Research Fellowship, 1990-1992

Fulbright Visiting Fellow, Princeton University, 1989

Fulbright Visiting Fellow, University of Wisconsin, Madison, 1988

ITT International Fellowship, University of Wisconsin, Madison, 1987-1988

Fulbright-Hay Scholarship, Commission for Cultural Exchange between Spain and the United States, 1987-1988

5. Professional Affiliations and Activities

2015-present Editorial Board of Collection “Studies about Science,” published by the Consejo Superior de Investigaciones Cientificas (CSIC: Spanish Counsel for Scientific Research)

2014-2017 History Committee of the Society for Research on Child Development (SRCD), member, elected.

2014-present Canadian Society for the History and Philosophy of Science (CSHPS) Advisory Board, elected.

2014-present Editorial Board, *History of Psychology*.

2014-present Editorial Board, *Journal for the History of Biology*.

2012-2014 The Oxford Encyclopedia of the History of American Science, Medicine, and Technology, Editorial Board. Associate editor.

2012-2015 *ISIS* (Journal of the History of Science Society) Editorial Board.

2009-2013 History of Science Society Council. Elected member.

2009-2016 Member of Editorial Board of *Theoria* (History and philosophy of science journal).

2010-2011 Chair of the Program Committee, Canadian Society for History and Philosophy of Science (CSHPS).

2009-2010 Member of the Program Committee, Canadian Society for History and Philosophy of Science (CSHPS).

Member of the History of Science Society (HSS).

Member of the Canadian Society for the History and Philosophy of Science (CSHPS).

Member of the International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB) (charter member).

Member of CHEIRON –Society for the History of the Social and Behavioral Sciences

Member of the American Historical Association (AHA)

Member of the Organization of American Historians (OAH)

B. ACADEMIC HISTORY

6. GRANTS:

Selected major grants and fellowships:

2018: Associated Medical Services (AMS) Project grant. \$10,000. Project: “Diversity of Research Traditions in the History of Autism.” Funding: Associated Medical Services (AMS) and the Nova Scotia Health Research Foundation (NSHRF)

2015-2016: Jackman Humanities Center Research fellowship (one semester)

2015-2016: Institute for Advanced Studies, Princeton 1 year fellowship (accepted one semester)

2015: National Humanities Center, North Carolina, 1 year fellowship (declined)

2015: SRCD Conference Grant (co-applicant), “Historical Perspectives on Child Development: Implications for Future Research,” \$20,000

2013: Connection Grant, co-applicant

Project: To host the Biannual Meeting of the Society for the Philosophy of Science in Practice, \$13,781

2013: SSHRC Insight Grant

Project: Historicizing the Science of the Affects: Autism, Emotions, and Gender 1943-Present, \$69,500

2010: SSHRC Workshop Grant. P.I. Project: Cold War Social Science, \$13,450

2009-2012: SSHRC Standard Research Grant

Project: The Nature and Nurture of Love: The Construction of Mother Love and Love for Mother as Biological Instincts, \$73,000

2008: University of Toronto Connaught New Staff Matching Grants Program

Project: The Nature of Mother Love: From Imprinting in Geese and Comfort in Monkeys to Attachment in Children, \$15,000

2006: University of Toronto Connaught Start-up Award, \$10,000

1994: National Science Foundation, SBR 9411862 Program: History and Philosophy of Science

Project: From Experimental Evolution to Genetics in the Work of W. E. Castle and E. M. East, \$65,000

Selected others:

2018: Tri-Council Dean’s Bridge Fund (\$13,000)

2017-18: Victoria College Research Grant (\$2,750)

2016-17: Victoria College Travel Grant (\$740)

2016-17: Victoria College Research Grant (\$3,000).

2016: IHPST SIG Institutional grant (\$796).
 2015: Victoria College Conference Travel Grant (\$1,500).
 2014: Victoria College Research Grant (\$2,444).
 2014: IHPST SIG Institutional grant (\$665).
 2014: Victoria College Travel Grant (\$768).
 2013: Victoria College Research Grant (\$2,800).
 2013: Victoria College Research Grant (\$2,780).
 2012: Victoria College Travel grant (\$1,300).
 2011: Victoria College Research Grant (\$400).

2010-11: Jackman Humanities Working Group on "Science and Culture." P.I. co-applicant, \$2,500

2005-2010: Co-applicant in three successful Jackman Humanities Working Group grants

Center for the Study of United States, U. of Toronto: For Workshop on Cold War Social Science 2010, \$1,000

Victoria College and IHPST:
 Several Research, Institutional SIG Research, and Conference Travel Grants.
 2006-2012

Mind, Brain, Behavior Program, Harvard University, Grant
 2005, US\$ 6,000

Graduate School of Arts and Sciences, Harvard University, Grant
 2005, US\$ 6,500

Minda de Gunzburg Center for European Studies, Harvard University, Graduate Grant
 2003, US\$ 4,000

Charles Warren Center for Studies in American History, Harvard University, Graduate Student Summer Research Grant 2003, US\$ 2,800

Several Research Grants from Arizona State University (1998, 1997, 1996, 1995, 1994, 1993)

ASU WEST, Instructional Development Support Grant, "Teaching the History of Science" 1995, US\$ 1,700

Rockefeller Archive Center Research Support Program, "Genetics, population control and eugenics in the U.S., 1900-1940" 1995, US\$ 1,100

Mellon Fellowship, American Philosophical Society, "What was that thing called Mendelian genetics?" 1992, US\$ 3,600

C. SCHOLARLY AND PROFESSIONAL WORK

7. Publications

Books:

Intelligent Love: Clara, Jessica, Autism (under review).

The Nature and Nurture of Love: From Imprinting to Attachment in Cold War America.
Chicago: University of Chicago Press, 2013. 336 pages.
Paperback edition, 2014.

Reviewed in: *Science*, *The American Historical Review*, *Isis*, *Choice*, *New Books in American Studies*, *Journal of the History of Biology*, *Journal of American History*, *Psychoanalysis and History*, *Journal of the History of Medicine and Allied Sciences*, *Social Studies of Science*, *Bulletin of the History of Medicine*, *Reviews in American History*, *Journal of Social History*, *Women & Performance: A Journal of Feminist Theory*, *Journal for the History of the Behavioral Sciences*, *Frankfurter Allgemeine Zeitung*, *Reviews in Anthropology*, *Studies in History and Philosophy of Biological and Biomedical Sciences*, *Social History of Medicine*, *History of Psychiatry*.

Articles:

34. "History of Attachment Theory." *The Oxford Research Encyclopedia of Psychology*. 8,500 words. Forthcoming, Spring 2019.

33. "Terrifying Clouds." in *Surprise in Science*. (forthcoming 2018).

32. 'Ethopathology and Civilization Diseases: Niko and Elisabeth Tinbergen on Autism.' *Canadian Bulletin of Medical History* 35 (1): 1-31, 2018.
Online April 16, 2018: 10.3138/cbmh.191-122016.

31. 'Ethical Challenges of Parenting Interventions in Low- to Middle-Income Countries.' Gilda Morelli, Naomi Quinn, Nandita Chaudhary, Marga Vicedo, Mariano Rosabal-Coto, Heidi Keller, Marjorie Murray, Alma Gottlieb, Gabriel Scheidecker, Akira Takada. *Journal of Cross-Cultural Psychology* 49 (1): 5-24, 2018.

30. 'The Myth of Universal Sensitive Responsiveness: Comment on Mesman et al. (2017).' Heidi Keller, Kim Bard, Gilda Morelli, Nandita Chaudhary, Marga Vicedo, Mariano Rosabal-Coto, Gabriel Scheidecker, Marjorie Murray, Alma Gottlieb. *Child Development* 89 (5): 1921-1928, 2018. Online: 23 January 2018. DOI: 10.1111/cdev.13031.

29. 'On the History, Present, and Future of Attachment Theory.' *European Journal of Developmental Psychology* 14 (6): 684-699, 2017.
Published on-line 14 February, 2017:
<https://doi.org/10.1080/17405629.2018.1502920>.

To be reprinted in Willem Koops & Frank Kessel, eds. *Historical Developmental Psychology*. Taylor and Francis, forthcoming in January 2019.

28. 'Bringing the Real World into Developmental Science: A Commentary on Weber, Fernald, & Diop (2017).' Gilda Morelli, Kim Bard, Nandita Chaudhary, Alma Gottlieb, Heidi Keller, Marjorie Murray, Naomi Quinn, Mariano Rosabal-Coto, Gabriel Scheidecker, Akira Takada, and Marga Vicedo. *Child Development*. First published online: 10 July 2018
<https://doi.org/10.1111/cdev.13115>
27. 'Bindungstheorie' [Attachment Theory]. In Franz Kasper Krönig, ed. *Kritisches Glossar Kindheitspädagogik [Critical Glossary of Childhood Pedagogy]*. Weinheim: Beltz Juventa, 2018, pp. 48-54.
26. 'Putting Attachment in its Place: Disciplinary and Cultural Contexts.' *European Journal of Developmental Psychology* 14 (6): 684-699, 2017.
25. 'Real-World Applications of Attachment Theory.' Mariano Rosabal-Coto, Naomi Quinn, Heidi Keller, Marga Vicedo, Nandita Chaudhary, Alma Gottlieb, Gabriel Scheidecker, Marjorie Murray, Akira Takada, and Gilda A. Morelli. In Heidi Keller and Kim A. Bard, eds. 2017. *The Cultural Nature of Attachment. Contextualizing Relationships and Development*. Cambridge, MA: MIT Press, pp. 335-354. 2018 Winner of the Ursula Gielen Global Psychology Book Award.
24. 'The Strange Situation of the Ethological Theory of Attachment: A Historical Perspective.' In Heidi Keller and Kim A. Bard, eds. 2017. *The Cultural Nature of Attachment*. Cambridge, MA: MIT Press, pp. 13-52.
23. 'The "Disadapted" Animal: Niko Tinbergen on Human Nature and the Human Predicament.' *Journal of the History of Biology* 51 (2): 191-221, 2018. Online: July 2017. doi: 10.1007/s10739-017-9485-8.
22. 'Taking Culture Seriously: A Pluralistic Approach to Attachment.' Gilda A. Morelli, Nandita Chaudhary, Alma Gottlieb, Heidi Keller, Marjorie Murray, Naomi Quinn, Mariano Rosabal-Coto, Gabriel Scheidecker, Akira Takada, and Marga Vicedo. In Heidi Keller and Kim A. Bard, eds. 2017. *The Cultural Nature of Attachment*. Cambridge, MA: MIT Press, pp. 139-170.
21. 'Attachment,' in Thomas Teo, ed. *Encyclopedia of Critical Psychology*, New York: Springer (2014). Also available on-line.
20. 'Playing the Game: Textbooks Speak about Love,' *ISIS*, (2012) 103: 111-125.
19. 'The Secret Lives of Textbooks,' *ISIS*, (2012) 103: 83-87.
18. 'The Social Nature of The Mother's Tie To The Child: John Bowlby's Theory of Attachment In Post-War America', *British Journal for the History of Science*, (2011) 44 (3): 401-426.
17. 'Cold War Emotions: Mother Love and The War over Human Nature,' in Mark Solovey and Hamilton Cravens (eds.), *Cold War Social Science*. NY: Palgrave-Macmillan, 2012, 233-249.

16. 'Inside or Outside the Animal: Konrad Lorenz on Empathy and Intuition in the Study of Animal Behavior', *Studies in History and Philosophy of Biological and Biomedical Sciences* (forthcoming).
15. 'Just the Right Amount of Mother Love', *History of Science* (forthcoming).
14. 'Psyche and Bios: The Maternal Instinct in Psychoanalysis, from Sigmund Freud to John Bowlby', *Journal of the Human Sciences*, (forthcoming).
13. 'The Evolution of Harry Harlow: From the Nature to the Nurture of Love', *History of Psychiatry* (June 2010) 21 (2): 1-16.
12. "'The Father of Ethology and the Foster Mother of Ducks': Konrad Lorenz as an Expert on Motherhood", *ISIS* (June 2009) 100 (2): 263-291.
11. 'Mothers, Machines, And Morals: Harry Harlow's Work on Primate Love From Lab to Legend', *Journal of the History of the Behavioral Sciences* (2009) 45 (3): 193-218.
10. 'Experimentation, Realism, and the Historical Character of Science', in Richard Creath & Jane Maienschein (eds.) *Biology and Epistemology* (1999), Cambridge University Press, pp. 215-243.
9. 'The Laws of Heredity and the Rules of Morality: Early Geneticists on Evolution and Ethics', in Jane Maienschein & Michael Ruse (eds.) *Biology and the Foundations of Ethics* (1999), Cambridge University Press, pp. 225-256.
8. 'The Reception of Wilhelm Johannsen's Concept of the Genotype in American Genetics', special issue of *The Journal of the Swedish Seed Association*, published by the Svalof Plant Breeding Station, Sweden (1997), pp. 167-177.
7. 'Scientific Styles: Towards Some Common Ground in the History, Philosophy and Sociology of Science', *Perspectives On Science* (1995) 3: 231-254.
6. 'Simplicity in Theory Construction and Evaluation: The Case of the Chromosome Theory of Mendelian Inheritance', in D. Prawitz and D. Westerstahl (eds.), *Logic and Philosophy of Science in Uppsala* (1994), pp. 525-539.
5. 'Is the History of Science Relevant to the Philosophy of Science?' *PSA* (1992) 2: 490-496.
4. 'The Human Genome Project: Towards an Analysis of the Empirical, Ethical and Conceptual Issues Involved', *Biology and Philosophy* (1992) 7: 255-278. (Reprinted in David Hull & Michael Ruse (eds.), *Philosophy of Biology* (1998) Oxford University Press.)
3. 'Realism and Simplicity in the Castle-East Debate on the Stability of the Hereditary Units: Rhetorical Devices Versus Substantive Methodology', *Studies in History and Philosophy of Science* (1991) 22 (2): 201-221.

2. 'The Chromosome Theory of Mendelian Inheritance: Explanation and Realism in Theory Construction', *PSA* (1990) 1: 179-193.
1. 'T. H. Morgan: Neither an Epistemological Empiricist nor a "Methodological" Empiricist', *Biology and Philosophy* (1990) 5: 293-311.

Reviews and Essay-Reviews:

13. Review of Erika Lorraine Milam, *Looking for a Few Good Males: Female Choice in Evolutionary Biology*, in *ISIS* (2011) 102 (2): 352-353.
12. Review of Alan G. Cock and Donald R. Forsdyke, *Treasure Your Exceptions: The Science and Life of William Bateson*, in *History and Philosophy of the Life Sciences* (2010) 32 (4): 528.
11. 'Darwin's Real Torment'. Review of Adrian Desmond & James Moore, *Darwin's Sacred Cause: Race, Slavery and the Quest for Human Origins*, in *Endeavour* (2009) 33 (3): 84-85.
10. 'The Genesis of Genetics'. Review of James Schwartz, *In Pursuit of the Gene: From Darwin to DNA*, in *Nature Genetics* (2008) 40 (12): 1267.
9. Review of Edna Suarez (ed.) *Variedad Infinita. Ciencia y Representación. Un Enfoque Histórico y Filosófico*, in *History and Philosophy of the Life Sciences* (2007) 29 (4): 525-527.
8. Review of P. Kyle Stanford, *Exceeding Our Grasp*, in *British Journal for the History of Science*. (2007) 40: 619-621.
7. Review of P. Baldi. *The Shattered Self: The End of Natural Evolution*, in *Quarterly Review of Biology* (2002) 77 (2): 192.
6. Review of J. M. Humber and R. F. Almeder, eds., *Human Cloning*, in *Quarterly Review of Biology* (2000) 75 (3): 304.
5. 'What Is that Thing Called Mendelian Genetics? Essay-review of Kyung-Man Kim, *Explaining Scientific Consensus: The Case of Mendelian Genetics*', *Social Studies of Science* (1995) 2: 370-382.
4. 'How Scientific Ideas Develop and How to Develop Scientific Ideas.' Essay Review of L. Darden, *Theory Change in Science: Strategies from Mendelian Genetics*, *Biology and Philosophy* (1995) 10: 489-499.
3. Review of D. Nelkin and L. Tancredi, *Dangerous Diagnostics*; S. H. Snyder, *Brainstorming*, and R. Teitelman, *Gene Dreams*, in *ISIS* (1991) 82: 408-409.
2. Review of M. Ruse, *Philosophy of Biology Today*, in *Philosophy of Science* (1991) 58: 509.

1. Review of M. H. Nitecki, ed., *Evolutionary Progress*, in *Canadian Philosophical Reviews* (1990) 1: 192-195.

Dictionary Entries:

4. 'Morgan, Thomas Hunt', in *The Oxford Encyclopedia of American, Scientific, Medical, and Technological History*. 2014
3. 'Davenport, Charles Benedict', in *The Oxford Encyclopedia of American, Scientific, Medical, and Technological History*. 2014
2. 'Morgan, Thomas Hunt', in *The Oxford Companion to United States History*. (1999).
1. 'Castle, William Ernest', *American National Biography*, Oxford University Press (1998), 561-563.

Refereed Articles in Spanish:

8. 'The Gene as the Atomic Unit of Inheritance', in *Arbor* (1993) 566: 41-58.
7. 'Molecular Genetics: The Partnership of Genetics and Cytochemistry in the Analysis of the Gene's Nature', *Arbor* (1992) 561: 9-28.
6. 'Cytogenetics: The Search for the Physical Basis of the Genes', *Asclepio* (1992) 44: 115-134.
5. 'The Human Genome Project: Predictive Medicine and Preventive Ethics', *Arbor* (1991) 544: 181-207.
4. 'The Importance of the Distinction Between Phenotype and Genotype in the Early Studies of Genetics', *Llull* (1991) 14: 1-40.
3. 'The Human Genome Project. An Interview with D. Santiago Grisolia', *Arbor* (1991) 554: 161-173.
2. 'The Problem of the Reference of Theoretical Concepts', *Contextos* (1991) 8 (15-16): 95-111.
1. 'The Atomism and Methodological Reductionism of Sociobiology', *Arbor* (1991) 542: 49-68.

Non-refereed Articles in Spanish:

4. 'A Committed Philosophy of Science', *Anthropos* (1988) 82/83: 35-37.

3. 'Theories, Truth and Realism: What Does it Mean to be a Realist?', *Proceedings of the Third Congress on the Methodology of Science*, Gijon (1986).
2. 'The Problem of Natural Law in the Young Schelling', *Proceedings of the Second Congress of the Philosophical Society of Valencia* (1985).
1. 'Popper in Madrid', *Azafea* (1985) 1: 441-448.

Reviews in Spanish:

11. Review of S. Snyder, *Brainstorming: The Science and Politics of Opiate Research*, in *Arbor* (1995) 592: 135-137.
10. Review of R. Teitelman, *Gene Dreams: Wall Street, Academia, and the Rise of Biotechnology*, in *Arbor* (1993) 576: 11-114.
9. Review of F. Gross, *La Nueva Civilizacion del Gen*, in *Arbor* (1991) 544: 217-221.
8. Review of D. Suzuki & P. Knudtson, *Genethics*, in *Arbor* (1990) 538:132-34.
7. Review of R. Levi-Montalcini, *In Praise of Imperfection: My Life and Work*, in *Arbor* (1990) 535: 133-135.
6. Review of P. Pauly, *Controlling Life*, in *Arbor* (1989) 533: 167-69.
5. Review of M. Ruse, *Philosophy of Biology Today*, in *Arbor* (1989) 526: 137-38.
4. Review of F. Crick, *Que Loco Proposito. Una vision personal del descubrimiento Cientifico*, in *Arbor* (1989).
3. Review of C.J. Cela Conde, *On Genes, Gods and Tyrants*, in *Anthropos* (1988) 82/83: 23-24.
2. Review of J. Gribbin, *In Search of the Double Helix*, in *Anthropos* (1988) 82/83: 26.
1. Review of R. Dawkins, *The Blind Watchmaker*, in *Arbor* (1988) 139: 124-27.

8. WORK IN PROGRESS

Books:

The Science of Human Nature

Expected completion date: December 2019.

Why do we do what we do? What factors play a role in shaping our personality? What biological and social elements help configure a person's moral and emotional character? This book examines landmark studies that shook standard scientific and

popular beliefs about human nature in their time. It situates those studies in their historical context and discusses their relevance to contemporary social, ethical, and policy debates. The studies include research on obedience, prejudice, conformity, aggression, empathy, happiness, and resilience.

Human Nature and Mother Love: The Science of Maternal Instincts in American Society.

Expected completion date: December 2021.

This study examines scientific ideas about the maternal instinct and their use in social debates in the United States from the end of the nineteenth century to the present. It focuses on the implications of Darwinian evolution for understanding male and female psychology; the debates about the maternal instinct among psychoanalysts; and the controversies about the use of animal models and evolutionary accounts of male and female behavior with the rise of sociobiology and evolutionary psychology. The history of the maternal instinct is important for two reasons. First, views about maternal instincts have been used to characterize women's psychological makeup and delimit their social roles. Second, many scientists have presented the maternal instinct as proof of the biological underpinnings of human behavior. Thus, understanding how ideas about maternal instincts have changed over time is fundamental to explain views about the female psyche and about the significance of evolution in understanding human behavior. Since descriptions of human nature often play a role in supporting social prescriptions, this study will also explore how beliefs about biological evolution have been used to delimit the possibilities for personal and social change.

Edited Volumes:

Marga Vicedo and Denis Walsh, eds. *Interdisciplinary Science Reviews*. Special volume in honor of Evelyn Fox-Keller. Forthcoming 6/2020.

Contributors include Uri Alon, Gillian Barker, Rick Doyle, Stefan Helmreich, Eva Jablonka, Helen Longino, Matteo Mossio, Denis Noble, Gregory Radick, Jessica Riskin.

Denis Walsh and Marga Vicedo, Introduction to special volume.

Articles:

- 'The Tyranny of Diagnosis: Leo Kanner and Infantile Autism as a Condition of the Affects.' Completed. To be sent for review November 2018.

- 'Early Autisms.' Co-authored with Juan Ilerbaig. Expected completion date: December 2018.

- 'The "discovery" of autism.' Expected completion date: December 2018.

- 'A Mother's Siege: Love and Knowledge in Understanding Autism in the USA.'

- 'Konrad Lorenz vs. Daniel Lehrman: Facts, Semantics, and Politics in the Study of Animal Behavior.'

- 'Who Sets the Standards of Evidence in Interdisciplinary Theories? The Case of the Ethological Theory of Attachment Theory.'

-‘The Theoretician, the Experimenter, and the Social Worker: A Happy Partnership in Attachment Theory?’

-‘Genes: From Calculating Units to Material Entities.’

-‘The Biometricians-Mendelians Controversy Revisited’ (2 articles, co-authored with historian of science Barbara Kimmelman).

-‘Our Bodies, Our Selves: Is Human Cloning a Threat to Individual Identity?’

9. Papers Presented at Conferences and Workshops

“One Size Does Not Fit All: Why Attachment Theory Should Not Be Used in Education.” American Educational Research Association (AERA) annual meeting, April 5-9, 2019, Toronto.

“The ‘Disadapted’ Animal: Niko Tinbergen on Human Nature and the Human Predicament.” Canadian Society for the History and Philosophy of Science Annual Conference. Ryerson University, Toronto, May 27-30, 2017.

“Leo Kanner and Infantile Autism as a Condition of the Affects.” Joint Conference of the Canadian Society for the History of Medicine and Canadian Association for the History of Nursing, May 27-29, 2017, Ryerson University, Toronto.

“The ‘Disadapted’ Animal: Niko Tinbergen on Human Nature.” May 19, 2017, at the Consortium for the history and philosophy of biology, May 19-21, 2017 UQAM, Montreal.

“Knowledge, Experience, and Feelings: Insights from the History of Autism.” After Hours Conversations, Institute for Advanced Studies, Princeton, NJ. November 16th, 2015.

“A Mother’s Siege: Love and Knowledge in Understanding Autism.” New York Metro American Studies Association (NYMASA) 2015 Annual Conference, New York City, November 14th, 2015.

“A History of Autism.” Consortium's 2015 Introductory Symposium, Consortium for History of Science, Technology and Medicine, Philadelphia, September 10th, 2015.

“What’s Ethological about the Ethological Theory of Attachment Behavior?” Society for Research on Child Development (SRCD) meeting, April 2015, Philadelphia.

“Outside or inside the animal? Konrad Lorenz on intuition and empathy in the study of animal behavior.” Annual meeting of The Canadian Society for the History and Philosophy of Science (CSHPS), Brock University, May 24-26, 2014.

‘The History of Autism: Questions and Puzzles,’ Workshop: What are my Professors up to? October 16th, 2013. IHPST, University of Toronto

‘Emotions, Autism, and the Self.’ 24th International Congress of History of Science, Technology and Medicine, Manchester, England, July 22-28, 2013.

‘Niko Tinbergen’s Work on Autism: Interpreting Gestures from Gulls to Children,’ History of Science Society Annual Meeting, San Diego, CA, 11/2012.

‘The Myth of the Blank Slate in Post-War American Social Thought,’ Canadian Association for American Studies Annual Meeting, Toronto, 10/2012.

‘Scientists on the Nature of Mother Love: John Bowlby’s Ethological Theory of Attachment Behavior,’ Mothering and Reproduction Conference, Toronto, 10/2012.

‘Mother Love and Human Nature in Post-War America’, American Historical Association, Annual Conference, Boston, 01/2011.

‘Textbooks on the Ethological Theory of Attachment: Disseminating Consensus or Manufacturing Consent?’, Workshop on Textbooks in Science, IHPST, University of Toronto, 04/2010.

‘Cold War Emotions: The War over Human Nature,’ in Workshop: The Construction of Social Science in Cold War America. University of Toronto, May 21-22, 2010.

‘The War Over Primate Nature’, XXIII International Congress of History of Science and Technology: Ideas And Instruments In Social Context, Budapest, Hungary, 07/2009.

‘The Nurture Of The Child’s Tie To Its Mother: The Construction Of Love For Mother As A Biological Instinct’, Cheiron 40th Annual Conference (The International Society For The History Of Behavioral And Social Sciences), Ryerson University, Toronto, 06/2008.

‘Vulgar Female Geese And Infanticidal Monkey Mothers: The Objective Eye And The Subjective I In The Study Of Animal Behavior’, Joint Meeting of the HSS, CSHP, BSHS Societies, Oxford, England, 07/2008.

‘The Secret Life Of Children: Searching For Children’s Natural Emotional Needs From London To Baltimore, Via Uganda’, History of Science Society, Annual Conference, Pittsburgh, 11/2009.

‘Revolutionary Science and Evolutionary Ideas about Motherhood in Post-World War II America’, Organization of American Historians Annual Conference, Boston, 03/2004.

- ‘Primate Love: Mothers, Machines, and Morals’, History of Science Society Annual Conference, Cambridge, MA, 11/2003.
- ‘The Debate Between Konrad Lorenz and Daniel Lehrman about Instinctive Behavior’, Meeting of the International Society for the History, Philosophy, and Social Studies of Biology, Vienna, 07/2003.
- ‘The Role of Case Studies in Science Studies’, Social Studies of Science Society, Annual Conference, Bielefeld, Germany, 10/1996.
- ‘The Laws of Inheritance and the Rules of Ethics’, History of Science Society, Annual Conference, Atlanta, GA, 11/1996.
- ‘Bacon's Dream and the Philosopher's Nightmare: Engineering Nature and Searching for Reality’, Meeting of the International Academy of Philosophy of Science, Vigo, Spain, 05/1996.
- ‘The New Woman and Race Progress: Women's Nature and Genetics, 1900-1930’, West Coast History of Science Society Meeting, Santa Barbara, CA, 03/1996.
- ‘Agriculture, Genetics, and Eugenics in the Work of Edward M. East’, History of Science Society, Annual Conference, New Orleans, 10/1994.
- ‘Darwinism and Mendelism in Early American Genetics’, Meeting of the International Society for the History, Philosophy, and Social Studies of Biology, Brandeis University, 1993.
- ‘What Has the History of Science to Say to the Philosophy of Science?’, Philosophy of Science Association Meeting, Chicago, 10/1992.
- ‘Reinterpreting the Relationship between Mendelian and Darwinian Ideas in Early Genetics’, History of Science Society, Annual Conference, Washington, D.C., 1992.
- ‘Simplicity, Theory Construction, and Theory Appraisal in the Chromosome Theory of Mendelian Inheritance’, International Congress for Logic, Methodology and Philosophy of Science, Uppsala, Sweden, 1991.
- ‘The Complexity of Simplicity’, Iberoamerican Society for Philosophy Meeting (SOFIA), Salamanca, Spain, 1991.
- ‘History, Philosophy and Sociology of Science: Towards Common Methodological Ground’, Meeting of the International Society for the History, Philosophy, and Social Studies of Biology, Evanston, IL, 1991.
- ‘Biological Explanations of Human Nature’, VI Jornadas de Filosofía, Vigo, Spain, 1991.
- ‘The Human Genome Project’, VI Jornadas de Filosofía.,Vigo, Spain, 1991.

‘Explanation and Realism in Theory Construction’, Philosophy of Science Association, Annual Conference, Minneapolis, MN, 1990.

‘T. H. Morgan, a Radical Empiricist?’, Meeting of the International Society for the History, Philosophy, and Social Studies of Biology, London, Ontario, 1989.

‘Theories, Truth, and Realism’, Third National Congress on the Methodology of Science, Gijon, Spain, 1985.

‘The Problem of Natural Law in the Young Schelling’, II Annual Congress of the Philosophical Society of Valencia, Valencia, Spain, 1984.

10. Invited Lectures and Workshop Presentations

Clara Park’s Intelligent Love: How a mother challenged what counted as “normal” for mothering, autistic children, and knowledge. Keynote lecture, Conference: "The (Ab)normal Spectrum." Montreal, June 14, 2018.

“Monos, madres y feminismo: El debate sobre la maternidad natural”. Aula de Filosofía de la Sede Universitaria Ciudad de Alicante, May 8, 2017.

A Mother’s Siege: Love and Knowledge in Understanding Autism in the USA 'The Globalisation of Autism: Historical, Sociological, and Anthropological Reflections' Symposium. Queen Mary, University of London, April 20-21, 2017.

“Putting Attachment in its Place: Disciplinary and Cultural Contexts,” Invited contribution to the History Committee of the Society for Research on Child Development (SRCD), May 12-14, 2016, Ann Arbor, Michigan.

“Historical Perspectives on Attachment,” Invited talk for the Conference: “Contextualizing Attachment: The Cultural Nature of Attachment, April 3–8, 2016, Frankfurt, Germany.

“Nobel Laureate Niko Tinbergen’s work on autism: A new stratigraphic view of human nature,” Institute for Advanced Studies, School of Historical Studies, Princeton, March 17, 2016.

“Niko Tinbergen on autism: Gestures from gulls to children,” Columbia & NYU History of Science Group, New York City, January 26, 2016.

“Niko Tinbergen: Interpreting Gestures from Gulls to Children.” Invited contribution to the conference: “Working Across Species: Comparative Practices in Modern Medical, Biological and Behavioural Sciences”, 6-7 January 2016, London, England.

“Putting Attachment in Its Place.” Invited Plenary Address. American Psychological Association – History section. August 6th, 2015, APA annual meeting, Toronto, Canada.

“Intuition and Empathy in the Study of Behavior,” Workshop on "Cross-disciplinary Research Ventures in Postwar American Social Science," New York University, October 31, 2014.

“History of Diagnosis in Autism; A discussion with Peter Szatmary.” Rounds at Sick Kids Hospital, Toronto, April 2015.

“Re-making Humans? Genetics and Ethics.” Presentation to Victoria College students lunch seminars.

‘La Ciencia de los Afectos en Contexto Historico: Visiones del Autismo desde el Psicoanalisis al Proyecto del Genoma Autista,’ Centro Centroamericano de Poblacion, Universidad de Costa Rica, San Jose, Costa Rica, March 4, 2014.

‘The History of Autism: Questions and Puzzles.’ Public lectures at the Toronto Public Library, November 13 and November 27, 2013.

‘Becoming Human: Autism as Metaphor in Bruno Bettelheim,’ History of Science Department, Harvard University, April 5, 2012.

‘Gestures in Gulls and Children: Niko Tinbergen’s Work on Autism.’ GTA History and Philosophy of Science Annual Meeting, Guelph University, 05/2011.

‘Psychoanalysts against Biological Reductionism: Anna Freud, Max Schur, and René Spitz reject John Bowlby’s Synthesis of Ethology and Psychoanalysis.’ Science Studies Program, University of California San Diego, May 14, 2012.

‘Mechanical Love in Post-War America,’ York University, 02/2011.

‘Human Nature and Mother Love in Post-War America,’ Dibner Series in the History of Science, Huntington Library, 05/2010.

‘Harry Harlow and the Science of Love,’ University of Oregon, History Department, 02/2010.

‘Harry Harlow’s work on Mother Love from Lab to Legend’, Science and Culture Reading Group, University of Toronto, 2009.

‘The Nature and Nurture of Mother Love and Love for Mother’, History Department & Science Studies Program, University of California, San Diego, 2008.

‘Mothers, Machines, and Morals’, York University, History of Psychology Group, 2007.

‘The Machine in the Nursery: Harry Harlow’s Experiments on Monkeys and Motherhood’, History of Psychology Department, University of New Hampshire, 2005.

‘Social Implications of the New Genetics’, Universidad Nacional Autonoma de Mexico. Mexico City, Mexico, 08/2001.

‘Epistemological and Ethical Issues in the History of Genetics’, Universidad Autonoma de Barcelona, Barcelona, Spain, 06/2001.

‘On Genetic and Social Bondage: Is Cloning a Threat to Our Identity and Autonomy?’, Population Genetics Department, Harvard University, 11/1998.

‘Experimentation and Realism in Early Genetics’, History of Biology Group, Harvard University. 11/1998.

‘The Genotype-Phenotype Distinction in Studies of Inheritance, 1900-1920’, Invited Presentation, Lund, Sweden, 11/1996.

‘What is a Gene?’ Max Planck Institute, History of Science Division, Berlin, Germany, 10/1996.

‘Mendelism and Darwinism in Early American Genetics’; ‘The Laws of Inheritance and the Rules of Ethics’; ‘Bacon's Dream and the Philosophers' Nightmare’, Department of Biology and Department of Philosophy, National University of Mexico, UNAM, Mexico City, 6/1996.

‘The Social Implications of Genetic Testing and Manipulation’, Kiwanis Club, Sun City West, Phoenix, AZ, 4/1996.

‘Women as Guardians of the Race: Women's Nature and Eugenics in American Society, 1900-1930’, ASU West Women's Resource Center, 11/1995.

‘The Promises and Perils of the New Genetics’, Humanistic Society of Greater Phoenix, Scottsdale, AZ, 7/1995

‘Ethical Implications of Genetic Engineering’, King of Glory Lutheran Church, Tempe, AZ, 10/1993.

‘Simplicity, Theory Construction and Theory Appraisal in the Chromosome Theory of Mendelian Inheritance’, Cornell University, Ithaca, NY, 1992.

‘Simplicity and Unification in the Construction of Cytogenetics’, University of Minnesota, Minneapolis, MN, 1991.

‘Cytogenetics: The Search for the Physical Basis of the Genes’, Valencian Society for Advanced Studies, Valencia, Spain, 1991.

‘The History and Social Implications of the Human Genome Project’, Valencian Society for Advanced Studies, Valencia, Spain, 1991.

Participation in Invited Workshops and Seminars:

Workshop “Infant-Caregiver Interaction.” Human Ethology Film Archive, April 9-10, 2016. Senckenberg, Frankfurt am Main, Germany.

Workshop “Contextualizing Attachment: The Cultural Nature of Attachment.” Ernst Strungmann Forum. Frankfurt Institute for Advanced Studies, April 3-8, 2016, Frankfurt am Main, Germany. Presenter of background paper and participant.

Workshop “History of Developmental Research: Setting the Next-Generation Agenda,” Rockefeller Archive Center, Sleepy Hollow, NY, December 4-6, 2013.

Workshop "Biology and Law: Adjudicating Competing Scientific Claims in a Constitutional Democracy." National Science Foundation Seminar. Phoenix, 05/1995

Workshop "Biology and Law: Adjudicating Competing Scientific Claims in a Constitutional Democracy." National Science Foundation Seminar. Phoenix, 03/1995

11. Book Translations:

3. Translation of D. Suzuki & P. Knudtson, *Genethics: The Clash Between the New Genetics and Human Values*, from English into Spanish, (1991) Madrid, Tecnos.
2. Translation of F. Dretske, *Knowledge and the Flow of Information*, from English into Spanish, (1987) Barcelona, Salvat.
1. Translation of M. Ruse, *Taking Darwin Seriously*, from English into Spanish, (1987), Barcelona, Salvat.

D. LIST OF COURSES

12. A. Undergraduate Courses Taught University of Toronto

-HPS120: How to Think about Science (co-taught)
Spring 2015

-HPS110: The Science of Human Nature (co-taught)
Fall 2013, Spring 2015, Spring 2017, Spring 2018, Fall 2018, Spring 2019

-VIC 107H Evolution, Heredity, and Behavior
Spring 2007, 2008, 2009, 2010, 2011

-HPS 323H/ZOO 354 Darwinism
Fall 2006

-JHE 353HF History of Evolutionary Biology
Fall 2009; Summer 2010; Fall 2010; Fall 2012; Fall 2013; Fall 2017

-Research Opportunities Program, “History of Autism in Canada” 2013-14

Women and Science, Arizona State University

Evolution of Ideas, Arizona State University

History of Biology, Arizona State University

Moral Dilemmas, Arizona State University

Applied Ethics, Arizona State University

History and Philosophy of Biology, University of Salamanca, Spain

B. Graduate Courses Taught

The Sciences of Human Nature

Fall 2017

Introduction to the History of Biology, University of Toronto

Fall 2016, Spring 2017, Spring 2018, Spring 2019

Introduction to the History and Philosophy of Science and Technology,
University of Toronto

Fall 2014

Fundamentals of the History of Biology, University of Toronto

Fall 2006; Fall 2008; Spring 2010; Fall 2012, Fall 2013

Biology and Human Nature, University of Toronto

Spring 2007; Spring 2009; Fall 2009; Spring 2011

Reel Science: History of 20th Century Animal Research in Text and Film,

Directed Reading Course, 2009-2010, University of Toronto

Psychoanalysis and Gender, Directed Reading Course, 2008-09,

University of Toronto

C. Ph.D. Theses Supervised – University of Toronto

Sunguk Jung, “Genetics on the Border: Harvard’s Bussey Institution and the Emergence of Specialised Genetics,” in progress.

Riiko Bedford, “Like Produces Like: Popular Conceptions of Heredity in Canada, 1860-1940.” Co-supervisor. Ph.D. May 2017

Rebecca Moore: “The Business of Biology: Genetically Modified Organisms and the Canadian Patent System, 1976 – 2004.” Ph.D. 2015

D. Ph.D. Thesis Committees - University of Toronto

-Elizabeth Koester, “Law and Eugenics in Toronto, 1900-1939,” Ph.D. 9/2018.

-Gregory Rupik, “Evolutionary-Developmental Biology and Romanticism: Seeing the Organism Again,” in progress.

-Delia Gavrus, “Men of Strong Opinions: Identity, Self-Representation, and the Performance of Neurosurgery, 1919–1950.”

-Sebastián Gil-Riaño, “The Rise of Scientific Antiracism: A Historical Epistemology of UNESCO's Campaigns Against Racism, 1945-1978.”

-Robinn Nunn, “From laughter to the limits of biomedical knowledge.”

-Keynyn Brysse, “The Burgess Shale: a Cambrian mirror for modern evolutionary biology.”

E. ADMINISTRATIVE POSITIONS

13. A. Positions Held in Committees and Organizations, University of Toronto

Director of Undergraduate Studies, January 2019 - July 2019.

Director of Undergraduate Studies, July 2012 - July 2015.

Teaching Assistants Committee/Graduate Mentor, Chair, July 2012 - July 2015.

Undergraduate Curriculum Committee, Chair, 2012 - July 2015.

Director’s Advisory Committee, member, 2012- July 2015.

Teaching and Learning Initiatives Fund Committee, Arts and Sciences, University of Toronto, member, 2013

Victoria College Academic Committee, member, 2013- July 2015.

Member of the Graduate Admissions Committee, IHPST, University of Toronto, 2009-2011.

Member of the Undergraduate Curriculum Committee, IHPST, University of Toronto, 2010-2011.

Member of Dean’s Search Committee, position of Chair, IHPST, University of Toronto, 2009.

Member of Victoria College Academic Advisory Committee, 2009-2011.

Coordinator and Organizer, IHPST Colloquium, 2008/09.

Member of Director’s Advisory Committee, IHPST, 2008/09.

Member of Teaching Assistants Committee, IHPST, 2008/09.

Representative of IHPST in Fall Campus Day and March Break Open House.

Representative of IHPST in Toronto Node for the Cluster Grant in the History/Philosophy of Science.

Co-organizer of GTA Workshop (Meeting of scholars from different universities in the Greater Toronto Area).

B. Positions Held in Committees and Organizations, Profession

Canadian Society for the History and Philosophy of Science (CSHPS) Advisory Board, 2014-present.

Member of the History of Science Society Nominating Committee, 2012

Chair of History of Science Society Committee on Education, 2012-13

Member of History of Science Society Committee on Education, 2009/13

Chair of Program Committee for the 2011 meeting of the Canadian Society for the History and Philosophy of Science

Member of Program Committee for the 2011 meeting of the Canadian Society for the History and Philosophy of Science, 2010

Organizing Committee of the Conference '150 Years after The Origin: Philosophical, Historical, and Scientific Perspectives.' IHPST, University of Toronto, 2009

Member of History of Science Society Council, 2009/13 (elected)

Member of Program Committee for the 2010 meeting of the Canadian Society for the History and Philosophy of Science, 2009

Chair of the History of Science Society Committee on Diversity, 1999/2001

Member of the History of Science Society Committee on Diversity, 1997/99

Member of the Organizing Committee for the 1993 Meeting of the International Society for the History, Philosophy, and Social Studies of Biology. 1992/93

13. C. Positions Held in Committees and Organizations, Arizona State University

Member of Graduate Committee, IAS Representative (Unit level), 1997/98

Member of Technology Committee, IAS Representative (Unit level), 1997/98

Member of Senate Sub-Committee on Partners Accommodation Policy (Campus level), 1997
 Member of Ad Hoc Senate Sub-Committee on Compassionate Withdrawal Policy (Campus level), 1997
 Member of Curriculum Committee, IAS Representative (Unit level), 1997
 ASU West Senate, Arts and Science Elected Representative (Campus level), 1996-97
 Volunteer for Project Mentor (Campus level), 1995/99
 Faculty Adviser to the Integrative Studies Students Club 1995/96
 Member of Review Committee for a member of the Life Sciences Department, 1996.
 Chair, of Second-Year Probationary Review of an assistant professor of philosophy of the Integrative Studies Department, 1996
 Chair of Second-Year Probationary Review of an assistant professor of mathematics of the Integrative Studies Department, 1996
 ASU West Senate, Arts and Science Elected Representative (Campus level), 1995/96
 Member of the Life Sciences Genetics Search Committee, 1993/94
 Member of Curriculum Committee (Unit level), 1993/94
 Member of Governance Committee (Unit level), 1993/94
 Member of Curriculum Committee (Unit level), 1992/93
 Member of Governance Committee (Unit level), 1992/93

F. REFEREEING

For Journals:

Arbor
Biology and Philosophy
History of Psychology
European Journal of Developmental Psychology
International Studies in the Philosophy of Science
ISIS
Journal of the History of Biology
Social Studies of Science
Studies in the History and Philosophy of Science
THEORIA
 CRITICA (Revista Hispanoamericana de Filosofía)
 The Journal of Physiology
 Journal for the History of the Behavioral Sciences

For Councils, Foundations and Societies:

PBS
 CHEIRON (The International Society for the History of Behavioral and Social Sciences)
 Harvard University Press
 National Science Foundation
 University of Toronto Press
 Institute for Advanced Studies, Historical School, Princeton

OTHER RELEVANT INFORMATION

Sessions and Symposia Organized:

Organizer: Three-sessions Symposium: “Science on the Emotions: Transnational and Interdisciplinary Perspectives,” 24th International Congress of History of Science, Technology and Medicine, Manchester, July 2013

Organizer: Workshop on Textbooks in Science, IHPST, University of Toronto, 04/2010

Co-organizer: Workshop: The Construction of Social Science in Cold War America. University of Toronto, May 21-22, 2010

Cheiron 40th Annual Meeting. June 26-29, 2008, Ryerson University, Toronto.
Organizer of Symposium: “Love And Hate”

Co-organizer of symposium on science and children for the History of Science Society Annual Meeting, November 2008, Pittsburgh

Session Organizer, “The Nature of Ethics and the Ethics of Nature.” History of Science Society Meeting, Atlanta, GA, November 1996

Session Organizer, “Refining Our Understanding of Eugenics,” History of Science Society Meeting, New Orleans, LA, October 1994

Chair of Session, “Evolutionary Studies in the 20th Century: Funding, Fitness, and Reorganization,” History of Science Society Meeting, Santa Fe, NM, November 1993

Interviews and Media Appearances:

Interview on attachment for “Science Vs” March 31, NYC, with Wendy Zukerman
Host, Science Vs podcast, Gimlet Media.

Interview for the New Books in Science, Technology, and Society site:
<http://newbooksinscitechsoc.com/2013/10/19/marga-vicedo-the-nature-and-nurture-of-love-university-of-chicago-press-2013/>

“Exploring Autism’s History with Marga Vicedo,
University of Toronto News, interview, November 5, 2013.
Available at: <http://www.news.utoronto.ca/exploring-autisms-history-marga-vicedo>

University of Oregon Today Show #443. Oregon Humanities Center. 30 minutes TV interview, February 2010. Available at:
<http://www.youtube.com/watch?v=gKy0ijXqijM>

September 29, 2018.

