

## VITAE

**NAME:** Gonzalo Munévar  
**TITLE:** Professor Emeritus, Lawrence Technological University  
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**UNIVERSITY EDUCATION:**  
Ph.D., Philosophy, University of California, Berkeley, 1975.  
M.A., Philosophy, California State University at Northridge, 1971  
B.A., Philosophy, California State University at Northridge, 1970

**AREAS OF SPECIALIZATION:** Philosophy of Science, Neuroscience

**MAIN RESEARCH INTERESTS:** Experimental Neuroscience, Evolutionary Biology, Space Exploration, Philosophy of Science.

**AREAS OF TEACHING:**

**MAIN AREAS:** Neuroscience, Cognitive Psychology, Sensation and Perception, Abnormal Psychology, Philosophy of Natural Science, Philosophy of Space Exploration, Philosophy of Biology, Evolutionary Biology, History of Science, Philosophy of Mind, Ethics, South American Fiction, Creative Writing.

**SECONDARY AREAS:** Logic, Mathematics, History of Philosophy, Developmental Psychology, Animal Behavior.

### PROFESSIONAL EXPERIENCE

Lecturer, San Francisco State University, 1975-76.

Assistant to Full Professor, University of Nebraska at Omaha, 1976-89 (became a full professor in 1985 and Nebraska Foundation Professor of Philosophy in 1986).

Faculty Fellow at Stanford Humanities Center and Visiting Associate Professor of Philosophy, Stanford University, 1983-84.

Visiting Research Professor in Evolutionary Epistemology, University of Newcastle, Australia,

summer, 1986.

Visiting Research Professor, University of Newcastle, Australia, summer, 1987.

Visiting Research Professor, Instituto de Filosofía, Consejo Superior de Investigaciones Científicas, Madrid, Spain, fall, 1987.

Visiting Research Professor, Universidad de Barcelona, Spain, winter, 1988.

Visiting Research Professor, Universidad de Santiago de Compostela, Spain, spring, 1988.

Fellow, Institute for Advanced Study in the Humanities, University of Edinburgh, Scotland, summer 1989.

Visiting Professor, Kobe University of Commerce, Kobe, Japan, 1993.

Visiting Professor, University of Washington, spring, 1994.

Professor, History and Philosophy of Science, The Evergreen State College, 1989-1997.

Visiting Scholar, University of California, Irvine, 1997-1999.

Professor and Chair, Humanities, Lawrence Technological University, 1999 to 2004.

Professor of Humanities and Social Sciences, Lawrence Technological University, 2004 to 2014. Now Emeritus Professor.

#### **AWARDS, FELLOWSHIPS, GRANTS**

Distinguished Research Award, University of Nebraska at Omaha, 1986.

Nebraska Foundation Professorship, University of Nebraska at Omaha, 1986-89.

Ethel Wattis Kimball Fellowship, Stanford Humanities Center, Stanford University, 1983-84.

1977, Recipient of a research grant from the American Council of Learned Societies (Philosophy of Science).

1979, Recipient of a grant from the National Science Foundation (Space Exploration).

1990, 1994, Summer Research Grants, The Evergreen State College (Philosophy of Science).

2009, Seed Research Grant, Lawrence Technological University (fMRI Study of the Self)

#### **PROFESSIONAL PUBLICATIONS**

## BOOKS

*Radical Knowledge: A Philosophical Inquiry into the Nature and Limits of Science*, Avebury Publishing Co., England, and Hackett Publishing Co., 1981. Published in Spanish (expanded version) as *Conocimiento Radical: Una Investigación Filosófica de la Naturaleza y Límites de la Ciencia*, 2003.

*Evolution and the Naked Truth*, Ashgate Publishing Ltd., 1998. Published in Spanish (expanded version) as *La Evolución y la Verdad Desnuda*, Ediciones Uninorte, Barranquilla, Colombia, 2008.

*The Master of Fate* (Novel), Black Heron Press, 2000. Published in Spanish as *El Amo del Destino*, Programa Editorial, Universidad del Valle, Cali, Colombia, 2006.

*Variaciones sobre Temas de Feyerabend* (Variations on Themes by Feyerabend, a book of essays). Programa Editorial, Universidad del Valle, Cali, Colombia, 2006.

### Edited Books;

*Beyond Reason: Essays on the Philosophy of Paul K. Feyerabend*, ed, Vol. 132 of *Boston Studies in the Philosophy of Science*, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1991.

*Spanish Studies in the Philosophy of Science*, ed., Vol. 186 of *Boston Studies in the Philosophy of Science*, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1996.

*The Worst Enemy of Science? Essays on the Life and Thought of Paul Feyerabend*, ed. (with J. Preston and D. Lamb), Oxford University Press, 2000.

*Sex, Reproduction and Darwinism*, co-edited with Filomena de Sousa, London: Pickering and Chatto, 2012.

Co-Editor of *Explorations in Knowledge*, a journal in the philosophy of science, 1982-1996.

## PAPERS

"The Moral Autonomy of Science and the Recombinant DNA Controversy," *Journal of Social and Biological Structures*, 1979, 2, pp.235-243.

"Science in Feyerabend's Free Society," translated as "Die Wissenschaft in Feyerabend's freier Gesellschaft," in *Versuchungen Aufsätze zur Philosophie Paul Feyerabends*, Hans Peter Duerr, ed., Suhrkamp, Frankfurt, 1980. English version in G. Munevar, ed., *Beyond Reason: Essays on the Philosophy*

of Paul K. Feyerabend, Vol. 132, *Boston Studies in the Philosophy of Science*, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1991, pp. 179-198.

"Rejoinder to J.R. Ravetz on the Moral Autonomy of Science and the Recombinant DNA Controversy," *Journal of Social and Biological Structures*, 1980, 3.

"Allowing Contradictions in Science," *Metaphilosophy*, January, 1982, pp. 75-78.

"Toward a Social Conception of Scientific Rationality," in Volume X of the *Transactions of the Nebraska Academy of Science*, 1982, pp 91-95.

"The Death Penalty: The Relevance of Deterrence," with Jerry Cederblom, *Criminal Justice Review*, Spring, 1982, pp. 63-66.

"The Connection between Evolution and the Nature of Scientific Knowledge," in *Radiation and Cellular Response: Report of the Second John Lawrence Interdisciplinary Symposium on the Physical and Biomedical Sciences*, George P. Scott and Heinz W. Wahner, eds., Iowa State University Press, 1983, pp.213-222.

"In the Lion's Den: Taming Methodology into Oblivion," *Abstracts of the 7th International Congress of Logic, Methodology and Philosophy of Science*, J. Hutteger, Ohg, Salzburg, 1983.

"Towards a Future Epistemology of Science," *Explorations in Knowledge*, Vol. I, Nos. 1, 2, Fall, 1984, pp. 1-17.

"Philosophy, Space Science and the Justification of Space Exploration," *Essays on Creativity and Science*, Diana M. DeLuca, ed. HCTE, Hawaii, 1986, pp. 89-96.

"Pecking Orders and the Rhetoric of Science," *Explorations in Knowledge*, Vol. III, No. 2, Spring, 1986, pp. 43-48.

"Rhetorical Grounds for Determining what is Fundamental Science: The Case of Space Exploration," in *Argument and Social Practice*, J.R. Cox, M.O. Sillars, and G.W. Walker, eds., Speech Communication Association, 1985, pp. 420-434.

"Space Colonies and the Philosophy of Space Exploration," *Space Colonization: Technology and the Liberal Arts*, C.H. Holbrow, A.M. Russell & G.F. Sutton, eds., *American Institute of Physics, Conference Proceedings 148*, 1986, pp. 2-12.

"Consensus and Evolution in Science," in A. Fine and P. Machamer, eds., *PSA 1986*, Vol II, pp. 120-129.

"Peter Singer's *The Expanding Circle*." *Explorations in Knowledge*, Spring 1987, pp. 43-50.

"Hull, Straight Biology and Straight Epistemology," *Biology and Philosophy*, Vol. 3, No. 2, April 1988, pp. 209-214.

"Filosofía y la Evaluación de la Tecnología Espacial," *Arbor*, May 1988, No. 509, Tomo CXXX, pp. 59-72.

- "Evolution and Justification," *The Monist*, Vol. 71, No. 3, July, 1988, pp. 339-357.
- "Human and Extraterrestrial Science," *Explorations in Knowledge*, Vol. 6, No. 2, 1989, pp. 1-9.
- "Comment on Margolis' Pragmatic Realism," *Social Epistemology*, 1988, vol. 2, no. 3, pp. 240-243.
- "Science as Part of Nature," in K. Hahlweg, C.A. Hooker, eds., *Issues in Evolutionary Epistemology*, SUNY Press, 1989, pp. 475- 487. Published in Spanish as "La Ciencia Como Parte de la Naturaleza," in Perez Ransanz, A. R. and Velasco Gomez, A., eds., *Racionalidad en Ciencia y Tecnologia: Nuevas Perspectivas Iberoamericas*, Universidad Nacional Autonoma de Mexico, 2011, pp. 171-178.
- "Naturalismo Prescriptivo," *Revista de Filosofia*, No. 2/31-42 (3a Epoca), 1989, pp. 21-42.
- "Evolution and the Naked Truth," in M. Dascal, ed., *Cultural Relativism and Philosophy*, E.J. Brill, Leiden, the Netherlands, 1991, pp. 177-194.
- "New Directions, Really?" *PSA 1992*, Volume 2, pp. 341-350.
- "Bohr and Evolutionary Relativism," *Explorations in Knowledge*, Volume XII, No. 2, 1995, pp. 1-10.
- "Why Should Philosophy Influence Science Policy: The Case of Space Exploration," *Explorations in Knowledge*, vol. 13, No. 1, 1996, pp. 9-17.
- "Relativismo y Universalismo Culturales," *Filosofía de la Cultura*, D. Sobrevilla, ed., *Enciclopedia Iberoamericana de Filosofía*, Editorial Trotta, 1998, pp. 213-223.
- "A Rehabilitation of Paul Feyerabend," appendix to *Evolution and the Naked Truth*, Ashgate, 1998, pp. 219-244, reprinted in *The Worst Enemy of Science: Essays on the Life and Thought of Paul Feyerabend*, Oxford University Press, 2000.
- "A Philosopher Looks at Space Exploration," *Evolution and the Naked Truth*, Ashgate, 1998, pp 169-179.
- "Philosophy and Exploration of the Solar System," *Philosophic Exchange*, No. 28: 1997-1998, pp. 56-61.
- "A Naturalistic Account of Free Will," *Dialogos*, Año 33, No. 72, July 1998, pp. 43-62.
- "The Morality of Rational Ants," *Evolution and the Naked Truth*, Ashgate, 1998, pp. 131-147.
- "Feyerabend, Preston, and Analytic Philosophy," *Metascience*, Vol. 8, No. 2, July 1999, pp. 216-226.
- "Reflections on Hull's Remarks," in E. Hook's, ed., *Prematurity in Scientific Discovery: On Resistance and Neglect*, University of California Press, 2002, pp. 342-346.
- "Conquering Feyerabend's Conquest of Abundance," *Philosophy of Science*, Vol. 69, No. 3, September 2002, pp. 519-536.
- "Sandra Harding's Feminist Epistemology and Political Correctness," C. L. Pinnick, N. Koertge, and R. F.

Almeder, eds., *Scrutinizing Feminist Epistemology: An Examination of Gender in Science*, Rutgers University Press, 2003, 142-156.

"A Plea to Fuller for a Rosetta Stone," *Social Epistemology*, Vol. 17, Nos. 2 & 3, April-September, 2003, pp. 241-246.

"La Epistemología Evolutiva de Karl Popper," in A. Rivadulla, ed., *Hipótesis y Verdad en Ciencia: Ensayos sobre la Filosofía de Karl Popper*, Editorial Complutense, S.A. Madrid, 2004, pp. 49-66.

"Realismo, Verdad y Relativismo Evolutivo," *Praxis Filosófica*, Nueva serie, No. 20, January-June 2005, pp. 5-30.

"Venus y el Fin del Mundo," *Eidos*, No. 4, March 2006, pp. 10-25.

"El Filósofo más valioso del siglo," in *Variaciones sobre Temas de Feyerabend*," Universidad del Valle, 2006, pp. 27-42.

"Nuevas Ventanas hacia el Cerebro Humano y su Impacto en la Neurociencia Cognoscitiva," with Oscar Sierra-Fitzgerald in *Revista Latinoamericana de Psicología*, 2007, vol. 39, No. 1, pp. 143-167 ("New Windows into the Human Brain and their Impact on Neuroscience").

"Enfoque Biológico en la Filosofía de la Ciencia," *Eidos*, No. 7, August 2007, pp. 110-127 ["Biological Perspective in the Philosophy of Science"].

"Humankind in Outer Space," *The International Journal of Technology, Knowledge and Society*, Vol. 4, No. 5, 2008, pp. 17-25.

"El Cerebro, el Yo, y el Libre Albedrío," in Germán Guerrero, ed., *Entre Ciencia y Filosofía*, Programa Editorial, Universidad del Valle, Cali, 2008, pp. 291-308. ("Brain, Self, and Free Will").

"Perception and Natural Selection," in *The European Mind*, ed. by Frenzo, H., Malta University Press, 2010, pp. 222-229

"Einstein y el límite de la velocidad de la luz," in Guerrero G. (ed.) *Einstein: Científico y filósofo*, Programa Editorial Universidad del Valle, 2011, pp. 291-308.

"Reznick's Interpretation of Darwin's *Origin*," *The European Legacy/ISSEI*, Vol. 16, No. 3, June 2011, pp. 399-401.

"A Darwinian Account of Self and Free Will," in *Evolution 2.0: implications of Darwinism in Philosophy and the Social and Natural Sciences*, ed. by Weinert, F. and Brinkworth, M.H. (Springer, 2011), pp. 43-63.

"Self-Reproducing Automata and the Impossibility of SETI," in Geppert, A. C. T., ed. *Imagining Outer Space: European Astroculture in the Twentieth Century*, Palgrave MacMillan, 2012, pp. 267-284.

"Homosexuality and Darwinism," in de Sousa, F. and Munevar, G., eds., *Sex, Reproduction and Darwinism*, Pickering and Chatto, 2012, pp. 95-107.

Munevar, G., Cole, M., Ye, Y., Yang, Y., & Haccke, M. (2012, March). *fMRI study of self vs. others' attributions of traits consistent with evolutionary understanding of the self*. Poster presented at Cognitive Neuroscience Society. Chicago, Illinois.

"The Myth of Dual Consciousness in the Split Brain: Contrary Evidence from Psychology and Neuroscience," *International Conference on Brain-Mind Proceedings*, BMI Press, 2012 (online).

"A Distributive Explanation of 'Grandmother' Cells," *Proceedings of the XXII World Congress in Philosophy*, Volume 34, 2008, Philosophy of Cognitive Science, pp. 25-31. Published in 2012.

"Two Conscious Minds in the Same Brain? Split Brains and the Alien-Hand Syndrome," *Brain-Mind Magazine* (online). Fall, 2012.

"Understanding the Self Biologically," Yi Zheng and Gonzalo Munevar, *Brain-Mind Magazine* (online). Spring 2013.

"Neuroscientific Evidence against Depression as an Evolutionary Adaptation," Gonzalo Munevar and Donna Irvan, *Psychology Research*, Vol. 3, No. 6, June 2013, pp. 358-363.

"Neuroscientific Critique of Depression as Adaptation," Gonzalo Munevar and Donna Irvan, *International Conference on Brain-Mind Proceedings*, BMI Press, 2013 (online).

Gonzalo Munevar, Mathew L. Cole, Yongquan Ye, Jie Yang, Yi Zheng, Uday Krishnamurthy, and Mark Haacke, "fMRI Study of Self vs. Others' Attributions of Traits Consistent with Evolutionary Understanding of the Self," *Neuroscience Discovery*, 2014, <http://www.hoajonline.com/journals/pdf/2052-6946-2-3.pdf>.

"Damasio, Self and Consciousness," in *14th CLMPS 2011 Proceedings*, edited by Pierre Edouard Bour, Gerhard Heinzmann, Wilfrid Hodges and Peter Schroeder-Heister, *Philosophia Scientiae*, 18(3), November 2014, pp. 191-201.

Commented [GM1]:

"Space Exploration and Human Survival," *Space Policy*, Vol. 30, 15 Nov, 2014, pp. 197-201.

"Historical Antecedents to the Philosophy of Paul Feyerabend," *Studies in History and Philosophy of Science*, December 2015.

"Space Colonies and Their Critics," in James S.J. Schwartz and Tony Milligan (eds.), *The Ethics of Space Exploration* (Springer, 2016), pp. 31-46.

"Fiction in the Brain," in Iskra Fileva, ed., *Questions of Character*, Oxford University Press, 2016.

#### **SUBMITTED PAPERS:**

Gonzalo Munevar and Yi Zheng, "Biological Conception of the Self Suitable for Neuroscience," submitted to *Neuropsychanalysis*.

**PUBLICATIONS RELATED TO TEACHING:** "Report of an Interdisciplinary Course on Space Exploration," with John C. Kasher, in *Social Sciences and Space Exploration*, NASA Ep-192, 1984.

**PROFESSIONAL TALKS:** I calculate that I have given nearly 200 talks related to my research. These talks have taken place at universities, conferences, and congresses in United States, Canada, Mexico, Australia, Malaysia, England, Scotland, Germany, Austria, Spain, Colombia, Puerto Rico, Malta, Japan, China, South Korea and France. Some examples of recent talks:

"Neuronal Resonance and Consciousness," presented at the 13<sup>th</sup> International Congress in Logic, Methodology and Philosophy of Science, in Beijing, China, August 2007.

"Humans vs. Machines in the Exploration of Space," presented at the 4<sup>th</sup> International Conference on Technology, Knowledge and Society, at Northeastern University, Boston, January, 2008.

"Self-Reproducing Automata and the Impossibility of SETI," presented at Imagining Outer Space, international conference at the University of Bielefeld, Germany, February 2008.

"A Distributive Explanation of 'Grandmother' Cells," at The XXII World Congress in Philosophy, Cognitive Science Section, in Seoul, Korea, August, 2008.

"A Darwinian Account of Self and Free Will," at Darwin International Conference, University of Bradford, England; September, 2009.

"Darwinism and Homosexuality," at University of Notre Dame's conference, Darwin in the 21st Century: Nature, Humanity, and God, November, 2009.

"How the Brain tells Self from Others," with Yi Zheng, Michigan Academy of Sciences, Alma, MI, March 2012.

"fMRI Study of Self vs. Others' Attributions of Traits Consistent with Evolutionary Understanding of the Self," with Mathew L. Cole, Yongquan Ye, JieYang, and Mark Haacke, Poster, Cognitive Neuroscience Society, Chicago, IL, March 2012. I was the principal investigator.

"Space Colonies and their Critics," Conference on Envisioning Limits: Outer Space and the End of Utopia, Harnack Haus, Berlin, April, 2012.

"Antecedentes Históricos a la Filosofía de Paul Feyerabend," III Seminario de Historia y Filosofía de la Ciencia, Universidad de Antioquia, Medellín, Colombia, May 2012.

"La Ciencia y el Futuro de la Filosofía: El Ejemplo del Cerebro Dividido," III Seminario de Historia y Filosofía de la Ciencia, Universidad de Antioquia, Medellín, Colombia, May 2012.

"Evolutionary and Neuroscientific Account of the Self," with Yi Zheng, at the International Conference in Brain-Mind, Michigan State University, July 2012.

"The Myth of Dual Consciousness in the Split Brain: Contrary Evidence from Psychology and



Neuroscience,” at the International Conference in Brain-Mind, Michigan State University, July 2012.

“Historical Antecedents to Feyerabend’s Philosophy,” at the international conference Feyerabend 2012, Humboldt Institute, Berlin, September 2012.

“Neuroscientific Critique of Depression as Adaptation,” with Donna Irvan, International Conference on Brain-Mind, Michigan State University, July 2013.

“Fiction in the Brain,” Aesthetics Discussion Group, University of Michigan, December, 2014.

“La Neurociencia de la Consciencia,” Universidad del Atlantico, Barranquilla, Colombia, Decembe, 2015.

“La Neurociencia del Desorden Bipolar,” Universidad del Atlantico, Barranquilla, Colombia, December, 2015.