

## Curriculum Vitae

### Brian L. Keeley

*Philosophy, and Science, Technology & Society* Field Groups  
 Pitzer College, 1050 N. Mills Ave., Claremont, CA 91711  
 External Graduate Faculty, Philosophy, Claremont Graduate University  
 Email: brian.keeley@pitzer.edu Telephone: (909) 896-1435 (Mobile Phone)

#### Academic & Employment History

- 2000-present** Professor of Philosophy (2010), Associate Professor (2005-2010), Assistant Professor (2000-2005), Pitzer College
- 2000-present** External Graduate Faculty (Philosophy), Claremont Graduate University
- 1999-2000** Assistant Professor of Philosophy (tenure-track), University of Northern Iowa
- 1997-99** McDonnell Philosophy/Neuroscience/Psychology Postdoctoral Fellow, Washington University in St. Louis
- 1997** Ph.D., Philosophy and Cognitive Science, University of California, San Diego;  
*Thesis*: “Cognitive science as the computational neuroethology of intelligent behavior: Why biological facts are important for explaining cognition.” *Chairs*: Patricia Smith Churchland, Sandra D. Mitchell.
- 1993** M.A., Philosophy, UCSD; *Thesis*: “W.V.O. Quine: The last pragmatist?”
- 1990** M.Sc., Knowledge Based Systems, University of Sussex (UK); *Thesis*: “A hybrid classical/connectionist architecture for solving logic problems”
- 1989** B.A., Philosophy, *Magna cum Laude*, University of South Alabama

#### Areas of Research Specialization

- Philosophy of Neuroscience
- Philosophy of Science
- Philosophy of Mind
- Neuroethology & Animal Behavior

#### Areas of Teaching Competence

- Aesthetics & The Philosophy of Art
- Logic
- History of Medieval Philosophy
- Ethics & Biomedical Ethics
- Introduction to Neuroscience

#### Academic Honors, Awards, and Grants (selected)

- **2010** Visiting Fellow, *Sydney Centre for the Foundations of Science*, University of Sydney
- **2009** Pitzer College Summer Research Assistant Award (worked with Rebecca Hardesty)
- **2008** Pitzer College Summer Research Assistant Award (worked with Michael Strom & Michael Griffin)
- **2007** Course development grant and faculty fellowship from *Institute for the Study of Secularism in Society and Culture* for the development of a course on “Medieval Thought” (\$2500.00, shared with Carina Johnson)
- **2005** Visiting Scholar, Dept. of Philosophy, University of California, Berkeley
- **2004** *Charles A. Ryskamp Research Fellowship*, awarded by the American Council of Learned Societies, Project: “Making sense of the senses: Philosophical traditions and the nature of perception” (\$75,000)
- **2003** Visiting Fellow, *Center for the Philosophy of Science*, University of Pittsburgh.
- **2001** Helen R. Whiteley Scholar at Friday Harbor Marine Biology Labs (May-June)
- **1999** 5-year fellowship, *McDonnell Project in Philosophy & the Neurosciences*. Project title: “The eyes have it: The neuroethology of eye gaze information processing and other minds” (\$10,000Cnd)
- **1997** 2-year McDonnell Philosophy/Neuroscience/Psychology Postdoctoral Fellowship

### Academic Honors, Awards, and Grants (continued)

- **1993** National Research Service Award, 3-yr pre-doctoral, National Institute of Mental Health (#1-F31-MH10676-01), Title: “Philosophy, Computational Neuroethology, & *Eigenmannia*” (\$30,594)
- **1993** Graduate Fellowship, McDonnell-Pew Center for Cognitive Neuroscience (\$10,198)
- **1989** Comprehensive (Full) Fulbright Grant (Institution: Univ. of Sussex, Brighton, UK)
- **1989** Regents' Fellowship, University of California, San Diego (Declined)
- **1989** Faculty Award for Honors Work in Philosophy, University of South Alabama
- **1988** *Younger Scholars* grant, National Endowment for the Humanities (Topic: “Intentionality: Its formulations and implications for machine intelligence”)
- **1988** Best Student Paper Award, Alabama Philosophical Society
- **1985** Presidential Scholarship, 4-year, University of South Alabama

### Publications & Presentations

#### Edited Books

- **2005** *Paul Churchland*. Series: *Contemporary Philosophy in Focus*. Cambridge University Press. (Edited volume with contributions from Dan Dennett, José Luis Bermúdez, Clifford Hooker, Jesse Prinz, Pete Mandik, William Krieger, Aarre Laakso, and Garrison Cottrell.)

#### Refereed papers

- **2004** “Anthropomorphism, Primatomorphism, Mammalomorphism: Understanding cross-species comparisons.” *Biology & Philosophy*, 19, 521-540.
- **2003** “*Nobody* expects the Spanish inquisition! More thoughts on conspiracy theories,” *Journal of Social Philosophy*, 34, 104-110.
  - Reprinted in *Conspiracy Theories: The Philosophical Debate*, David Coady, ed., Aldershot, UK: Ashgate Publishing, 2006: 107-113.
- **2002** “Making sense of the senses: Individuating modalities in humans and other animals,” *The Journal of Philosophy*, 99, 5-28.
  - Reprinted (as a “classic” paper) in *The Senses: Classic and Contemporary Philosophical Perspectives*, Fiona MacPherson, ed., Oxford: Oxford University Press, 2011: 220-240.
- **2000** “Shocking lessons from electric fish: The theory and practice of multiple realization,” *Philosophy of Science*, 67, 444-465.
- **2000** “Neuroethology and the philosophy of cognitive science,” *Philosophy of Science*, 67 (Proceedings), S404-S417. (Part of a symposium on “Studies in the Interaction of Psychology and Neuroscience” with Gary Hatfield and William Hirstein.)
- **1999** “Fixing content and function in neurobiological systems: The neuroethology of electroreception,” *Biology & Philosophy*, 14, 395-430.
- **1999** “Of conspiracy theories,” *The Journal of Philosophy*, 96, 109-126.
  - Translated as “A Konspirációs Elméletkról,” *Holmi*, XII, 1371-1386. (Agnes Erdelyi’s translation for a Hungarian cultural journal.)
  - Reprinted in *Conspiracy Theories: The Philosophical Debate*, David Coady, ed., Aldershot, UK: Ashgate Publishing, 2006: 45-60.
  - To be translated as “De las Teorías de Conspiración” in *Teorías de la conspiración*, Juan Cristóbal Cruz and Jesús Rodríguez Zepdea, eds. Publicaciones Cruz O. S. A, forthcoming in Mexico.
  - To be translated into Polish by Franciszek Czech. Details forthcoming.

***Invited and conference papers (Selected)***

- **forthcoming** “But what exactly is a sense?” in *The Oxford Handbook of Synaesthesia*, J. Simner & E. Hubbard, eds., Oxford University Press, forthcoming (expected: 2013).
- **in prep** “The senses of creatures” in *The Oxford Handbook of the Philosophy of Perception*, M. Matthen, ed., Oxford University Press, forthcoming (expected: 2012).
- **2011** “The Agnostic Scientist: The supernatural and the open-ended nature of science” in *Science at the Frontiers: Perspectives on the History and Philosophy of Science*, W. Krieger, ed., Lexington Books.
- **2010** “Sensory Modality (Philosophy)” in *Encyclopedia of Perception*, E. Bruce Goldstein, ed., Thousand Oaks, CA: Sage Publications: 559-561
- **2009** “The role of neurobiology in differentiating the senses” in *Oxford Handbook of Philosophy and Neuroscience*, J. Bickle, ed., Oxford University Press, 226-250.
- **2009** “The Early History of the Quale and Its Relation to the Senses” in *Routledge Companion to Philosophy of Psychology*, J. Symons & P. Calvo, eds., London: Routledge, 2009, 71-89.
- **2008** “Theodore Holmes Bullock (1915-2005)” in *New Dictionary of Scientific Biography*, Noretta Koertge, ed., New York: Charles Scribner's Sons, Volume 1, 436-439.
- **2007** “God as the ultimate conspiracy theory,” *Episteme: A Journal of Social Epistemology*, 4(2): 135-149. (Special issue on the epistemology of conspiracy theories, edited by David Coady.)
- **2005** “The Unexpected Realist,” in *Paul Churchland*, Brian L. Keeley, ed., Cambridge: Cambridge University Press: 175-192. (Co-authored with William H. Krieger.)
- **2005** “Becoming Paul M. Churchland (1942-)” in *Paul Churchland*, Brian L. Keeley, ed., Cambridge: Cambridge University Press: 1-31.
- **2002** “Eye gaze information processing: A case study in primate cognitive neuroethology,” in *The Cognitive Animal*, M. Bekoff, C. Allen, & G. Burghardt, eds. MIT Press, 443-450.
- **1998** “Artificial life.” in the *Encyclopedia of Semiotics*. P. Bouissac, ed., Oxford University Press, 48-51.
- **1997** “Evaluating artificial life and artificial organisms,” in *Artificial Life V: Proceedings of the 5th International Workshop on the Synthesis and Simulation of Living Systems*, C. G. Langton & K. Shimohara (eds.). Cambridge, MA: MIT Press, 264-271.
- **1994** “Against the global replacement: On the application of the philosophy of artificial intelligence to artificial life,” in *Artificial Life III: Proceedings of the Workshop on Artificial Life*, C. G. Langton (ed.). Reading, Mass: Addison-Wesley, Advanced Book Program, 569-587.
- **1993** “Is there room for philosophy in the science(s) of complexity?” in *1992 Lectures in Complex Systems*, Santa Fe Institute Studies in the Sciences of Complexity, L. Nadel and D. Stein (eds.). Redwood City, CA: Addison Wesley, 615-622. [Coauthored with E. Bonabeau.]
- **1992** “The Cartesian theater stance” (Comment on D.C. Dennett & M. Kinsbourne, “Time and the observer”), *Behavioral and Brain Sciences*, 15(2): 209-210). [with B. Glymour, R. Grush, V. Hardcastle, J. Ramsey, O. Shagrir, and E. Watson.]
- **1988** “When artificial intelligence encounters philosophy,” in *Proceedings of the Southeast Regional Conference of the Association for Computing Machinery*.

***Reviews, Abstracts & Online publications***

- **2011** Review of Daniel Heller-Roazen, *The Inner Touch: Archaeology of a Sensation*, New York: Zone Books, 2009, for *The Senses and Society*: 7 (1): 107-110.
- **2010** “What is the sixth sense - Electroreception?” for *Sixth Sense Abcderium*. (“<http://sixthsensereader.org/about-the-book/abcderium-index/electroreception/>”)
- **2002** Review of Leslie Brothers's *Mistaken Identity: The Mind-Brain Problem Reconsidered* (New York: SUNY, 2001). *Brain and Mind*, 3, 409-12.

- **1999** Review of C. Allen & M. Bekoff, *Species of mind: The philosophy and biology of cognitive ethology*. *Philosophical psychology*, 12 (4), 543-546.
- **1998** “Artificial life for philosophers.” *Philosophical psychology*, 11 (2): 251-260.
- **1995** “Large, slow changes in electric organ discharge associated with social context in *Eigenmannia*” in M. Burrows, T. Matheson, P. L. Newland & H. Schuppe (eds.), *Nervous Systems and Behaviour: Proceedings of the 4th international congress of neuroethology*. Stuttgart: Verlag, 1995: 415. (Abstract)
- **1990** Review of J. Pollock’s *How to Build a Person*, in *AISB Quarterly* (Quarterly Newsletter of the Society for the Study of Artificial Intelligence & Simulation of Behaviour), 74.
- **1990** Review of J. C. Smith’s *Historical Foundations of Cognitive Science*, in *AISB Quarterly* (Quarterly Newsletter of the Society for the Study of Artificial Intelligence & Simulation of Behaviour), 73.

#### **Presentations (selected)**

- **2011** “TBA”, *American Philosophical Association, Pacific Division Meeting*, Seattle, WA, April 2011.
- **2011** “TBA”, *Southern Society for Philosophy & Psychology*, Savannah, GA, March 2011.
- **2010** “Sensory Mechanisms”, *Mechanisms and Levels of Explanation in Cognitive Science*, Macquarie University, Sydney, Australia, December 2010.
- **2010** “Microfunctionalism revisited (or perhaps resurrected)”, *Levels of Explanation & Causation Workshop*, Univ. of Wollongong, Australia, October 2010.
- **2010** “The Agnostic Scientist” Invited talk for semiannual *Sydney-Australian National University (SANU) Philosophy of Science Retreat*, Bundanoon, Australia, September 2010.
- **2010** “Positing the Sixth Sense: Ground rules and Candidates” Invited colloquium for History & Philosophy of Science Department, Sydney University, Sydney, Australia, August 2010.
- **2010** “Theory-ladenness of Introspection: A Coherent Concept?” Invited colloquium for *Life & Mind Seminar Series*, University of California, Merced.
- **2009** “What will cyborgs tell us about consciousness?” Invited talk for the Department of Philosophy, National University of Colombia, Bogota, June 2009 & Invited talk for *Qualia* workshop, Paris, July 2009.
- **2009** “Darwin and the Ascent of Animals”, Invited talk for the Claremont Rotary Club, May 2009.
- **2008** “The Plurality of the Senses”, Invited paper for conference, *Qualia: Thinking the Senses*, the Institute of Advanced Study, University of Durham, UK, March ‘08.
- **2008** A week-long series of talks, tutorials and discussions on “Neurophilosophy, Neuroethology and the Senses” in *CF Neuroscience Programme at the Instituto Gulbenkian de Ciência*, Lisbon, Portugal, Jan-Feb ‘08.
- **2007** Invited commentary on Casey O’Callaghan, “Cross-modal illusions and perceptual content”, *Society for Philosophy and Psychology*, Toronto, Ontario, June, ‘07.
- **2007** Invited panelist, *Biotechnology and Human Rights: Industry’s responsibility?* Panel: “Human Rights for ‘Redesigned humans.’” Keck Graduate Institute, April ‘07.
- **2006** “Defining Illness: Do we discover treatments for diseases or invent diseases for treatments?” Bioethics Seminar Series, Keck Graduate Institute, Dec, ‘06
- **2006** Invited commentary on Paula Droege “Now or never: How consciousness represents time”, *Society for Philosophy and Psychology*, St. Louis, MO, June, ‘06.
- **2005** Invited commentary on Peter W. Ross, “Common Sense About Qualities And the Senses”, *American Philosophical Association (Eastern Div.)*, New York City, Dec, ‘05.

- **2005** “The Individuation of Sensory Modalities: Ancient and Contemporary Views Compared.” *Southern California Philosophy Conference* (CSU-Northridge, Oct 19).
- **2005** “The hunt for the wily quale: The evolution of a philosophical concept.” *Society for Philosophy & Psychology*. Wake Forest University, June '05.
- **2003** “Eye gaze and the problem of other minds.” Invited paper given at Pennsylvania State University (Science Studies program, Dec. '03)
- **2003** “The concept of ‘dedication’ in comparative neurobiology.” Invited paper given at Cambridge University and Trinity College, Dublin (both Dec. '03).
- **2002/2003** “Anthropomorphism, Primatomorphism, Mammalomorphism: Understanding cross-species comparisons.” (1) *Society for Philosophy & Psychology*, Edmonton, Ontario, June 2002, (2) *39th Annual Taft Philosophy Colloquium: Animal Cognition*. Cincinnati, Ohio, April 2003, (3) Invited paper given to Virginia Tech Undergraduate Philosophy Club, Nov. '03.
- **2002/2003** “Deciphering the ocular dialect: How to use eyes to read minds” *Carleton/McDonnell Philosophy & Neuroscience Conference*, Ottawa, Ontario, October 2002 & *ICCS/ASCS-2003 Joint International Conference on Cognitive Science*, Sydney, Australia, 13-17 July, 2003.
- **2001/2002** “Is there a special, conceptual problem of mental disease (beyond the problem of disease itself)?” (1) *2001 Southern California Philosophy Conference* (UC-Irvine, October), (2) *American Philosophical Association* (Pacific Division, Seattle, April 2002), (3) Invited paper at Occidental College (Cognitive Science Program, April 2002).
- **1999** “Making sense of the senses: Individuating the modalities in human and non-human animals,” *Society for Philosophy & Psychology*, Palo Alto, June, 1999, and *American Philosophical Association* (Eastern Div.), Boston, Dec., 1999.

### **Presentations (continued)**

- **1998** “Neuroethology and the philosophy of cognitive science,” *Cognitive Science 1998*, Madison, Wisconsin, August, 1998 & *PSA98* (1998 Philosophy of Science Association, Kansas City, MO).
- **1998** “Shocking lessons from electric fish: The theory and practice of multiple realization,” Presented at both *Southern Society for Philosophy & Psychology*, New Orleans, April, 1998, and the *Society for Philosophy & Psychology*, Minneapolis, June, 1998.
- **1997** “What's right and what's wrong with artificial life?” *International Society for the History, Philosophy, and Social Studies of Biology*, Seattle, 16-20 July, 1997.
- **1995** “Artificial life and natural complexity,” *International Society for the History, Philosophy, and Social Studies of Biology*, Leuven, Belgium, 18-23 July, 1995.
- **1995** “Blip world & blob world: an A-Life metaphor,” *European Society for Philosophy and Psychology*, Oxford, United Kingdom, 29 Aug-2 Sept, 1995. (Poster)

### **Other Media**

- **2011** “Getting a Job in Philosophy”, entry for the “Career Advice” Column, *InsideHigherEducation.com*, June 20, 2011. ([http://www.insidehighered.com/advice/2011/06/20/advice\\_column\\_on\\_becoming\\_a\\_philosophy\\_faculty\\_member](http://www.insidehighered.com/advice/2011/06/20/advice_column_on_becoming_a_philosophy_faculty_member))
- **2010** “What is the sixth sense - Electroreception?” for “[http://sixthsensereader.org/?page\\_id=69](http://sixthsensereader.org/?page_id=69)”
- **2007** Interviewed by Steve Karesh for “POTUS08” (XM Radio). Topic: “Conspiracy theories and U.S. presidential politics.” First broadcast: 11 Dec, 2007.

### **Service to Profession**

- *Southern Society for Philosophy and Psychology* (Annual Meeting Program Co-Chair, March 2011)

- *Society for Philosophy and Psychology* (Annual Meeting Program Chair, 2003; Executive Committee Member, 2003-2006; member ad hoc program committee for future joint SPP/European SPP meeting, 2008-2010)
- Reviewer for the following peer-reviewed journals: *Philosophy of Science*, *Philosophical Psychology*, *Philosophical Studies*, *Mind & Language*, *Artificial Life*

### Service to Community

- 2008-present Member of Institutional Animal Care and Use Committee (IACUC) of Western University of Health Sciences, Pomona, CA.

### References

	<u>Telephone</u>	<u>Email address</u>
Colin <b>Allen</b> (Professor, History & Philosophy of Science, U. of Indiana)		colallen@indiana.edu
William <b>Bechtel</b> (Professor, Philosophy, UCSD)	(858)822-4461	bill@mechanism.ucsd.edu
Paul <b>Churchland</b> (Emeritus Professor, Philosophy, UCSD)	(858)534-4883	pchurchland@ucsd.edu
Patricia <b>Churchland</b> (Emeritus Professor, Philosophy, UCSD)	(858)534-6811	pschurchland@ucsd.edu
Sandra D. <b>Mitchell</b> (Professor & Chair, History & Philosophy of Science, U. of Pittsburgh)	(412)624 5878	smitchel+@pitt.edu

### Teaching Experience

#### I. Claremont Graduate University, Ph.D. Theses & Courses

<b>2011</b>	James Griffith, new Philosophy Ph.D. candidate, <i>Finding Value in Knowing (or Knowledge)</i>
<b>Spr '10</b>	"Reasoning about the Unreasonable"
<b>2009</b>	Robert K. <b>Bolger</b> , <i>Kneeling At The Alter Of Science: The Mistaken Path of Contemporary Religious Scientism</i> . Religion.
<b>2005</b>	William H. <b>Krieger</b> , <i>The Philosophy of Archaeology: Processual Archaeology and the Philosophy of Science</i> . Philosophy. As of Fall 2011: Assistant Prof. of Philosophy, University of Rhode Island.

#### II. Keck Graduate Institute

**Spr '10 & Spr '11** Organized and taught "Bioindustry Ethics and Society"

#### III. Champalimaud Foundation

<b>2008-2011</b>	Organized and taught 1 week of International Neuroscience Doctorate Programme (INDP; formerly " <i>Programme Gulbenkian / Champalimaud Neuroscience</i> "), Champalimaud Foundation, Lisbon, Portugal
------------------	---

#### IV. Pitzer College, Assistant/Associate Professor

<b>Fall '11</b>	Chance and Scientific Reasoning
<b>Sum '09</b>	Logic
<b>Spr '08</b>	Medieval Thought (team-taught)
<b>2 times, '07-'09</b>	The Examined Life (A First-year Seminar)
<b>3 times '07-'11</b>	Topics in Neurophilosophy (team-taught)
<b>11 times, '04-'11</b>	Knowledge, Mind & Existence
<b>3 times '03-'10</b>	Monkey Business: Continuing Controversies in Human Evolution (team-taught)
<b>2 times, '02-'04</b>	Aesthetics & the Philosophy of Art

- Fall '02** Science, Technology & Society (A First-year Seminar)
- 9 times, '00-'11** Philosophy of Science (both Historical Survey & Topical Survey)
- 9 times, '00-'11** Foundations of Neuroscience (team-taught)
- 5 times, '00-'08** Introduction to Philosophy
- 3 times, '01-'05** Perspectives on Mind and Brain
- Fall '00** If Ignorance is Bliss, Why Bother Thinking? (A First-year Seminar)

**V. University of Northern Iowa, Assistant Professor**

- Spr '00** Medieval Philosophy
- Fall '99** The Human Person (The philosophy of human nature)
- 4 times, '99-'00** Introduction to Philosophy

**VI. Washington University in St. Louis, Lecturer**

- Spr '99** Topics/Philosophy of Science: Functionalist Explanation in Psych. (Graduate)
- Spr '98** Phil. Issues in Neuroethology & Animal Behavior (Graduate)

**VII. University of California, San Diego, Lecturer**

- Fall '96** Biomedical Ethics
- Spr '96** Logic & Decision Making

**Note:** All undergraduate unless otherwise noted. Graduate school assistant teaching experience not listed. (Consisting of 9 different courses in Philosophy, Humanities & Writing.) Details available upon request.