

# J.T. Ismael, Ph.D.

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## AREAS OF SPECIALIZATION

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Philosophy of Physics, Metaphysics, Cognitive Science, Philosophy of Science, Philosophy of Mind, Philosophy of Social Science, Philosophy of Literature, Free Will, Time

## EMPLOYMENT

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- Full Professor, **University of Arizona** 2015 – Present  
Dept. of Philosophy with an appointment in the program for Cognitive Science.
- Associate Professor, **University of Arizona** 2010 – 2015  
Dept. Of Philosophy with an appointment in the program for Cognitive Science.
- Queen Elizabeth II Research Fellow, Centre for Time, **University of Sydney** 2005 – 2010
- Assistant Professor, **University of Arizona** 1996 – 2005
- Visiting Professor and Mellon Fellow, **Stanford University** 1996 – 1998

## EDUCATION

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- Ph.D. Princeton University** 1997  
*Advisors: Bas van Fraassen (Primary), David Albert, and Paul Benacerraf.*  
*Dissertation: "Essays on Symmetry."*
- M.A. Princeton University** 1994
- B.A. Reed College** 1989

## FELLOWSHIPS AND GRANTS

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- Center for Advanced Study in Social and Behavioral Sciences (CASBS), Andrew W. Mellon Fellow 2014 – 2015
- National Humanities Center (Declined) 2014 – 2015
- Varieties of Understanding, Templeton (\$99,800) 2014 – 2015
- Big Questions in Free Will Grant, Templeton (\$86,000) 2014 – 2015
- Queen Elizabeth II Research Fellowship, Australian Research Council (\$1.1 Million) 2014 – 2015
- National Humanities Center, NEH Research Fellow 2003 – 2004
- Stanford Humanities Center (Declined) 2003 – 2004
- Andrew W. Mellon Postdoctoral Fellowship, Stanford University 1996 – 1998
- Social Sciences and Humanities Research Council of Canada (SSHRC) (Declined) 1996 – 1998

## ADDITIONAL AWARDS

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- **Scots Philosophical Association Centenary Fellow** 2014
- **Scholarly Conversation Grant, National Humanities Center** (\$12,000) 2012
- **British Society for the Philosophy of Science**, Essay Prize, “*What Chances Could Not Be*” 1996

## BOOKS

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- *How Physics Makes Us Free*, **Oxford University Press** 2016
- *The Situated Self*, **Oxford University Press** 2007, 2009
- *Essays on Symmetry*, **Garland Press** 2001

## PUBLISHED AND FORTHCOMING PAPERS

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Précis of *How Physics Makes Us Free*, for book symposium in *Philosophy and Phenomenological Research*, forthcoming.

“Quantum Holism: Nonseparability as Common Ground.” With Johnathan Schaffer, *Syntheses*, Forthcoming, DOI 10.1007/s11229-016-1201-2.

“Why I am (only) Half-Humean,” *Current Controversies in Philosophy of Science*, edited by Shamik Dasgupta, Routledge, Forthcoming.

“Symmetry and Superfluous Structure,” *Routledge Companion to the Philosophy of Physics*, edited by Alastair Wilson, Routledge, Forthcoming.

“*Why Study the Humanities? The View from Science*”. In *New Essays on the Philosophy of Understanding*, edited by Stephen Grimm, Oxford University Press, Forthcoming.

“Could Statistical Mechanical Probabilities Have a Quantum Mechanical Grounding? Assessing Albert’s Proposal.” In *Time’s Arrows and the Probability Structure of the World*, edit by Brad Weslake and Eric Winsberg, Harvard University Press, Forthcoming.

“Passage, Flow, and the Logic of Temporal Perspectives.” In *The Nature of Time, The Time of Nature*, edited by Christophe Bouton and Phillippe Hunemann, University of Chicago Press, Forthcoming.

(2016) “A Philosopher of Science Looks at Ideal Theory.” *Social Philosophy and Policy*, DOI:10.1017/S026505251600039X.

(2016) “Defending Curie.” With Elena Castellani. *Philosophy of Science Association Proceedings*.

(2016) "An Empiricist's Guide to Objective Modality." In *Metaphysics and the Philosophy of Science*, edited by Zanja Yudell and Matthew Slater, Oxford University Press.

(2016) "How Do Causes Depend On Us? The Many Faces of Perspectivism." *Synthese*, 193:2.

(2016) “From Physical Time to Human Time”. edited by Yuval Abrams, *In Cosmological and Psychological Time*, Springer.

(2015) “On Whether the Atemporal Conception of the World is also Amodal”. *Analytic Philosophy*, 56 (2), p. 142-157, June.

(2015) “How to be Humean”. In *A Companion to David Lewis*, edited by Barry Loewer and Johnathan Schaffer, Wiley Blackwell, p.188-205, 2015.

(2015) “In Defense of the Chance-Mixing Principle: Response to Pettigrew”. *Nous*, 49:1, p. 197-200.

(2014) “On Being Some-One”. In *Surrounding Free Will*, edited by Al Mele, Oxford University Press, p.

- 274-297.
- (2014) “Metaphysics on the Sydney Plan”. In *Philosophical Methodology; the Armchair or the Laboratory*, edited by Mathew Haug, Routledge, p. 86-103.
- (2012) “Causation, Free Will, and Naturalism”, In *Scientific Metaphysics*, edited by Harold Kincaid, James Ladyman, and Don Ross, *Oxford University Press*, p. 208-236.
- (2011) “Reflexivity, Fixed points, and Semantic Descent; How I Learned to Stop Worrying and Love Reflexivity”, *Acta Analytica*, 26 (4), p. 295-310.
- (2011) “Decision and the Open Future”, In *The Future of the Philosophy of Time*, edited by Adrian Bardon, Routledge, p. 149-168.
- (2012) “Immunity to Error as an Artefact of Transition Between Representational Media”. In *Immunity to Error through Misidentification: New Essays*, edited by Simon Prosser and François Recanati, Cambridge University Press, p. 62-80.
- (2011) “A Modest Proposal About Chance”. *Journal of Philosophy*, 108 (8), p. 416-442.
- (2011) “Precis for Symposium on The Situated Self”. *Philosophy and Phenomenological Research*, 82 (3), p. 733-748.
- (2011) “Replies to Symposiasts”. *Philosophy and Phenomenological Research*, 82 (3), p. 752-758.
- (2011) “Self-Organization and Self-Governance”. *Philosophy of the Social Sciences*, S. 41(3), 327-351.
- (2010) “Temporal Experience”. In *Oxford Handbook on Time*, edited by Craig Callender, Oxford University Press.
- (2009) “Probability in Deterministic Physics”. *Journal of Philosophy*, CVI, 2, February.
- (2008) “Raid! The Big, Bad Bug Dissolved”. *Nous*, Volume 42, Number 2, June.
- (2008) “An Objectivist Argument for Thirdism”. With the OSCAR seminar, *Analysis* 68 (2):149-155,
- (2008) “Me, again”. In *Topics in Contemporary Philosophy, Volume 6: Time and Identity*, edited by Keirn-Campbell, O'Rourke, and Shier, MIT Press.
- (2007) “Freedom, Compulsion, and Causation”. *Psyche*, 13/1, April.
- (2006) “The Ethical Importance of Death”. In *Death And Anti-Death, Volume 4: Twenty Years After De Beauvoir, Thirty Years After Heidegger*, edited by Charles Tandy, Palo Alto: Ria University Press.
- (2006) “Doublemindedness; a model for a dual-content cognitive architecture”. *Psyche*, July, 1-11.
- (2006) “Saving the Baby: Dennett on Autobiography”. *Philosophical Psychology*.

- (2015) Ismael, Jenann, "Quantum Mechanics", [The Stanford Encyclopedia of Philosophy](#) (Spring 2015 Edition), Edward N. Zalta (ed.)
- (2004) "Nolipsism: So You Think You Exist, Do You?". With John Pollock. In *Knowledge and Reality: Essays in Honor of Alvin Plantinga* (Kluwer), edited by Thomas Crisp, Matthew Davidson, and David Vander Laan, Springer Verlag.
- (2003) "How to Combine Chance and Determinism: Thinking About the Future in an Everett Universe". *Philosophy of Science*, October.
- (2003) "Symmetry as a Guide to Superfluous Theoretical Structure." With Bas van Fraassen. In *Symmetries in Physics: Philosophical Reflections*, edited by Elena Castellani and Katherine Brading, Cambridge University Press.
- (2002) "Closed Causal Loops and the Bilking Argument." *Synthese*, September.
- (2001) "Remembrances, Mementos, and Time Capsules." In *Time, Reality, and Experience*, edited by Craig Callender. Cambridge University Press.
- (1999) "Science and the Phenomenal." *Philosophy of Science*, December.
- (1997) "Curie's Principle." *Synthese*, January.
- (1996) "What Chances Could Not Be." *British Journal for the Philosophy of Science*, March.

## BOOK REVIEWS

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- "Review of Mathias Frische's Causal Reasoning in Physics." *Philosophical Review*, March 2016 125(3): 431-435; doi:10.1215/00318108-3517021
- "Essay Review of David Wallace's *The Emergent Multiverse*." With Guido Bacciagaluppi *Philosophy of Science*, January 2015, Vol. 82, No. 1: 129 – 148.

## PROFESSIONAL ORGANIZATIONS

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- American Philosophical Association
- Philosophy of Science Association
- FQXi (Foundational Questions Institute)

## TALKS AND PRESENTATIONS

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### 2017 - 2018

- The Burman Lectures in Philosophy, Umea University (3 Lecture Series)
- Citizenship Lecture at Mershon Center, Ohio State University

### 2016 – 2017

- (2017) International Association for the Philosophy of Time, Keynote, June 12 – 14.
- (2017) Time and Causality in the Sciences, Keynote, June 7 – 9.
- (2017) New Directions in Foundations of Physics, Keynote, May 25 – 27.
- (2017) University of Pittsburg, Pragmaps Workshop, April 21 – 23.
- (2017) Pacific APA Symposium on How Physics Makes Us Free, April 12 – 14 Seattle.
- (2017) The Foundation of Reality: Fundamentality, Space and Time, Oxford University, March 13 – 15. (Fundamentality)
- (2017) Kansas City APA, Symposium on Persons and their Selves, March 1 – 4.
- (2016) University of North Carolina, Chapel Hill Colloquium, December 16
- (2016) University of Maryland Colloquium, November 10
- (2016) Brown University, Philosophy and Physics Public Lecture, October 14
- (2016) Columbia University Colloquium, October 6
- (2016) University of Edinburgh Colloquium, October 1 and October 2
- (2016) Fqxi (Foundational Questions Institute) 2016 International Conference, Keynote, Talk August 17
- (2016) Perimeter Institute Workshop on Time
- (2016) Quantum Gravity Summer School (2 talks), Beyond Spacetime
- (2016) University of Cologne, Keynote, Workshop with Jenann Ismael, Keynote, and two reading groups.
- (2016) Society for Exact Philosophy, Keynote, Miami FL May 5 – 7
- (2016) NYU Colloquium, April 22, 2016
- (2016) Pacific APA, Symposium on After Physics, March 30 – April 3
- (2016) University of Michigan Colloquium, March 18

**PRE - 2015**

- (2014) *PSA Symposium on the Philosophical Significance of Curie's Principle*, Chicago, 6-9, November.
- (2014) *International Conference on the Philosophy of Cosmology*, Tenerife, Spain, 13-16 September 13-16.
- (2014) *Keynote Address, Workshop on Objective Probability*, London School of Economics, June 18.
- (2014) *PERSP Workshop on Space-time and the Wave Function*, Barcelona, May 20-23.
- (2014) *Philosophical Issues Concerning Cosmology*, Carnegie Observatories, Pasadena, May 14 - 16.
- (2014) *Conference in Honor of the Work of Fred Dretske*, Duke University, May 13-15.
- (2014) *Workshop on Pragmatic Metaphysics*, Simon Fraser University, April 24-26.
- (2014) *Foundations of Gauge Theories*, UC, Irvine, March 21-23.
- (2014) *Arizona Ontology Conference*, (co-presenter with Jonathan Schaffer) White Stallion Ranch, Jan. 30-February 3.
- (2014) *Philosophical Issues Concerning Cosmology*, Carnegie Observatories, Pasadena, January 23-25.
- (2013) *Physics Colloquium, University of Arizona*, November 15.
- (2013) *Time in Cosmology Conference*, Center for Philosophy and History of Science at Boston University, October 18.
- (2013) *Rotman Institute Celebration*, University of Western Ontario, October 4-6.
- (2013) *Summer School Physics and Philosophy of Time*, Black Forest, Germany, sponsored by the Parmenides Foundation (Munich), the Munich Center for Mathematical Philosophy and the Faculty of Humanities of the University of Lausanne, July 23-28.
- (2013) Rutgers Workshop, *The Metaphysics of Physics*, April 26-28.
- (2013) Caltech, Colloquium, April 12.
- (2013) UT, Austin, *Analytic Philosophy Colloquium*, April 4.
- (2013) University of Texas, Houston Colloquium, April 5.
- (2013) Columbia University Colloquium, March 7.
- (2013) San Diego Workshop, *The Order of Nature, The Order of Man, and The Order of God*, February 2.
- (2012) Chapel Hill Colloquium, November 2-3.
- (2012) Moral Sciences Club, Cambridge University, October 16.

- (2012) University of Aberdeen, Colloquium, September 8.  
*Konstanz, Causation, Laws, Dispositions, and Explanation at the Intersection of Science and Metaphysics Workshop.*
- (2012) DFG Research Group, University of Konstanz, September 21-22.
- (2012) Bordeaux, *The Time of Nature, The Nature of Time Workshop*, Bordeaux, September 26-28.
- (2012) University of Calgary Colloquium, March 23.
- (2012) Cornell University Colloquium, April 19.
- (2012) University of Minnesota Colloquium, April 27.
- (2011) University of California at San Diego, *Workshop on Time in Physics*, May 18-19.
- (2011) University of California, San Diego Colloquium, February 2.
- (2011) Florida State University, *Big Questions in Free Will* conference, January 17.
- (2011) University of Miami Colloquia, two talks, December 8 and 9.
- (2011) Rutgers University Colloquium, October 20.
- (2011) San Francisco State University, *The Experimental Side of Modeling Workshop*, September 16-17.
- (2011) University of Sydney, Centre for Time, *Expressivism, Projection, and Rules Conference*, June 29-July 1.
- (2011) Monash University Colloquium, June 24.
- (2011) University of Toronto, *Metaphysics and the Philosophy of Science Conference*, May 13-15.
- (2010) Tohoku University, Japan, *GCOE International Science Symposium*, Plenary Address, February 18-22.
- (2010) Satellite workshop on philosophy, Tohoku University, Japan, February 24.
- (2010) Tohoku University, *Satellite workshop on philosophy*, Japan, February 24.
- (2009) University of Alabama, Birmingham, *Workshop on Naturalism*,
- (2009) Rutgers University, *Statistical Mechanics Workshop*
- (2008) University of Sydney Colloquium
- (2008) Chapel Hill Colloquium
- (2008) Perimeter Institute, PIAF Meeting
- (2008) Princeton University, *Conference for the Retirement of Bas van Fraassen*, May 16-18.
- (2008) University of San Diego Colloquium, February 29.
- (2008) Arizona Ontology Conference, January 26.
- (2007) Centre for Time, University of Sydney, *Foundations Workshop*, December 15.
- (2007) Victoria University at Wellington Colloquium, October 4.



- (2007) University of Otago Colloquium, October 3.
- (2007) University of Auckland Colloquium, September 28.
- (2007) Australian National University, *ANU-Sydney Workshop on Time and Consciousness*, July 22-23.
- (2007) Brown University, *Workshop on Time Asymmetry*, April 27.
- (2007) Kyoto University Colloquia, March 21 and 22.
- (2007) Tokyo University, March 8.
- (2004) University of Sydney, *Minds, Mobs and Memories Conference*, November 22.
- (2004) Macquarie University Colloquium, October 24.
- (2004) University of Ottawa Colloquium, September 15.
- (2004) University of Sydney, Key Concepts Public Lecture, June 7.
- (2004) University of Queensland Colloquium, May 19.
- (2004) Australian National University, *Workshop on the work of David Velleman*, April 18.
- (2004) Australian National University, *Workshop on Probability*, Australian National University, March 5.
- (2005) Caltech, *Workshop on Causation*, November 11.
- (2005) UCLA colloquium, May 27.
- (2005) Rutgers University, *Descrying the World in Physics Workshop*, April 21-23.
- (2005) Washington State University, *Inland Northwest Philosophy Conference*, March 26.
- (2005) Consciousness Center, University of Arizona, March 6.