

J. T. Ismael, Ph.D.

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AREAS OF SPECIALIZATION

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

EMPLOYMENT

- 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

- 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

- 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

- **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

- *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

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

- (2016) "Review of Mathias Frische's Causal Reasoning in Physics." *Philosophical Review*, 125(3): 431-435; doi:10.1215/00318108-3517021
- (2017) "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

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

SELECTED TALKS

2017 - 2018

(TBS) The Burman Lectures in Philosophy, Umea University (3 Lecture Series)

(TBS) Citizenship Lecture at Mershon Center, Ohio State University

2016 – 2017

(2017) Kansas City APA, Symposium on Persons and their Selves, March 1 – 4

(2017) The Foundation of Reality: Fundamentality, Space and Time, Oxford University, March 13 – 15

(2017) CUNY Graduate Center, Keynote, Graduate Student Conference, March 31 – April 1

(2017) Pacific APA, Symposium on How Physics Make Us Free, April 12 – 14

(2017) University of Pittsburgh, Pragmaps Workshop, April 21 – 23

(2017) New Directions in Foundations of Physics, Keynote, May 25 - 27

(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) International Conference, Keynote, August 17

(2016) Perimeter Institute Workshop on Time, June 27 – 28

(2016) Quantum Gravity Summer School (2 talks), Lake Geneva, June 19 – 24

(2016) University of Cologne, Keynote, Workshop with Jenann Ismael, Keynote, June 13 - 18

(2016) Society for Exact Philosophy, Keynote, Miami, May 5 – 7

- (2016) NYU Colloquium, April 22
- (2016) Pacific APA, Symposium on After Physics, March 30 – April 3
- (2016) University of Michigan Colloquium, March 18

Pre-2014

- (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.
- (2012) 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.