

**A. BIOGRAPHICAL INFORMATION**

**1. PERSONAL**

Anjan Chakravartty	Telephone:	+1 574 631 1301
Department of Philosophy	Fax:	+1 574 631 0588
University of Notre Dame	Email:	chakravartty.1@nd.edu
100 Malloy Hall		
Notre Dame, IN 46556		
USA		

**2. DEGREES**

2001	PhD	University of Cambridge
1997	MPhil	University of Cambridge
1995	MA	University of Toronto
1991	BSc (Honors)	University of Toronto

**3. ACADEMIC EMPLOYMENT**

2014-present	Director, John J. Reilly Center for Science, Technology, and Values University of Notre Dame
2011-present	Professor, University of Notre Dame
2008-2011	Director, Institute for the History and Philosophy of Science and Technology, University of Toronto
2007-2011	Associate Professor, University of Toronto
2002-2007	Assistant Professor, University of Toronto
2000-2002	Research Fellow, King's College, University of Cambridge
1999-2000	Teaching Fellow, School of Philosophy, University of Leeds

**4. AWARDS AND HONOURS**

Distinguished Visiting Scholar, Center for Values-Driven Leadership, Benedictine University, 2013 and 2015.

Dean's Excellence Award, University of Toronto (for leadership in the field and contributions to research), 2010.

Winner of the Canadian Philosophical Association Biennial Book Prize for *A Metaphysics for Scientific Realism: Knowing the Unobservable* (Cambridge University Press), 2009.

Dean's Excellence Award, University of Toronto (for leadership in the field and contributions to research), 2008.

Visiting Fellow, Centre for the Foundations of Science, University of Sydney, 2008.

Visiting Fellow, Center for Philosophy of Science, University of Pittsburgh, 2004.

Research Fellow, King's College, University of Cambridge, 2000-2002.

5. **SELECTED PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

2014-present	Governing Board, Philosophy of Science Association (PSA)
2013-present	Editorial Board, <i>Oxford Handbook of Philosophy of Science</i>
2012-present	Editor in Chief, <i>Studies in History and Philosophy of Science</i>
2009-2011	Associate Editor, <i>Studies in History and Philosophy of Science</i>
2006-2009	Consulting Editor, <i>Studies in History and Philosophy of Science</i>
2007-present	Editorial Board, <i>New Directions in Philosophy of Science</i> (book series) published by Palgrave Macmillan
2007-2011	Associate Coordinator, Toronto Node, Situating Science SSHRC Cluster for the Humanist and Social Studies of Science
2008-2009	SSHRC Standard Research Grant Selection Committee for Philosophy
2007-2009	Program Committee, Philosophy of Science Association (PSA)
2004-2007	Executive Council and the Advisory Board, Canadian Society for History and Philosophy of Science (CSHPS)
2006-2007	Program Committee, Canadian Society for History and Philosophy of Science (CSHPS)
2005-2006	Chair, Program Committee, Canadian Society for History and Philosophy of Science (CSHPS)

B. **ACADEMIC HISTORY**

6. **SELECTED RESEARCH GRANTS**

Large Henkels Conference Grant, Institute for Scholarship in the Liberal Arts, Notre Dame  
2014-15, \$10,000

Large Henkels Conference Grant, Institute for Scholarship in the Liberal Arts, Notre Dame  
2013-14, \$20,000

SSHRC Standard Research Grant  
2010-13, \$54,675

SSHRC Aid to Research Workshops and Conference  
2010, \$17,820

Situating Science SSHRC Cluster Workshop Grant  
2009, \$10,000

SSHRC Standard Research Grant  
2007-10, \$28,175

SSHRC Standard Research Grant  
2004-07, \$49,000

SSHRC Doctoral Fellowship  
1997-2001, \$65,000

The Darwin Trust of Edinburgh, Postgraduate Fellowship  
1997-2000, \$55,000

## C. SCHOLARLY AND PROFESSIONAL WORK

### 7. Publications

Books / Edited Collections

4. *Scientific Ontology: Integrating Naturalized Metaphysics and Voluntarist Epistemology* (forthcoming).

3. 'Ancient Skepticism, Voluntarism, and Science', *International Journal for the Study of Skepticism* (ed.) (2015).

2. 'Explanation, Inference, Testimony, and Truth: Essays Dedicated to the Memory of Peter Lipton', *Studies in History and Philosophy of Science* (ed.) (2010).

1. *A Metaphysics for Scientific Realism: Knowing the Unobservable* (2007), Cambridge University Press.

Articles

32. 'Aspirational Realism', *Synthese* (forthcoming).

31. 'French on Physics, Metaphysics, Dispositions, and Symmetries', *Erkenntnis* (forthcoming).

30. 'Epistemic Stances and Voluntarism', in J. Saatsi (ed.), *The Routledge Handbook of Scientific Realism* (forthcoming).

29. 'Particles, Causation, and the Metaphysics of Structure', *Synthese* (forthcoming).

28. 'Saving the Scientific Phenomena: What Powers Can and Cannot Do', in J. D. Jacobs (ed.), *Putting Powers to Work*, Oxford University Press (forthcoming).
27. 'L'existence des lois: les pouvoirs causaux dans la nature', in B. Feltz, N. Frogneux, & St. Leyens (eds.), *La nature en éclats : Les défis d'un nouveau rapport la nature* (2015), Academia.
26. 'Truth and the Sciences', in M. Glanzberg (ed.), *The Oxford Handbook of Truth*, Oxford University Press (forthcoming).
25. 'Suspension of Belief and Epistemologies of Science', *International Journal for the Study of Skepticism* 5 (2015): 168-192.
24. 'On the Prospects of Naturalized Metaphysics', in D. Ross, J. Ladyman, & H. Kincaid (eds.), *Scientific Metaphysics*, pp. 27-50 (2013), Oxford University Press.
23. 'Realism in the Desert and in the Jungle: Reply to French, Ghins, and Psillos', *Erkenntnis* 78 (2013): 39-58.
22. 'Dispositions for Scientific Realism', in R. Groff & J. Greco (eds.), *Powers and Capacities in Philosophy: The New Aristotelianism*, pp. 113-127 (2013), Routledge.
21. 'Selektywny sceptycyzm: realizm w stosunku do przedmiotów teoretycznych, realizm strukturalny, semirealizm', *Studia Philosophica Wratislaviensia* VII (2012): 163-191.
20. 'Ontological Priority: The Conceptual Basis of Non-Eliminative, Ontic Structural Realism', in E. M. Landry & D. P. Rickles (eds.), *Structural Realism: Structure, Object, and Causality*, pp. 187-206 (2012), Western Ontario Series in Philosophy of Science, Springer.
19. 'Scientific Realism: Interview with Anjan Chakravartty', *Sophia* 14 (2011): <http://journals.uvic.ca/index.php/sophia/article/view/10716>.
18. 'Scientific Realism and Ontological Relativity', *The Monist* 94 (2011): 157-180.
17. 'Scientific Realism', *The Stanford Encyclopedia of Philosophy* (2011): <http://plato.stanford.edu/entries/scientific-realism/>.
16. 'A Puzzle about Voluntarism about Rational Epistemic Stances', *Synthese* (2011) 178: 37-48.
15. 'Perspectivism, Inconsistent Models, and Contrastive Explanation', *Studies in History and Philosophy of Science* (2010) 41: 405-412 (A4 column format).
14. 'Truth and Representation in Science: Two Inspirations from Art', in R. Frigg & M. C.

Hunter (eds.) *Beyond Mimesis and Convention: Representation in Art and Science*, pp. 33-50 (2010), Boston Studies in the Philosophy of Science, Springer.

13. 'Metaphysics Between the Sciences and Philosophies of Science', in P. D. Magnus & J. Busch (eds.) *New Waves in Philosophy of Science*, pp. 59-77 (2010), Palgrave Macmillan.
12. 'Informational versus Functional Theories of Scientific Representation', *Synthese* (2009) 72: 197-213.
11. 'What You Don't Know Can't Hurt You: Realism and the Unconceived', *Philosophical Studies* (2008) 137: 149-158.
10. 'Inessential Aristotle: Powers without Essences', in R. Groff (ed.) *Revitalizing Causality: Realism about Causality in Philosophy and Social Science*, pp. 152-162 (2008), Routledge.
9. 'Six Degrees of Speculation: Metaphysics in Empirical Contexts', in B. Monton (ed.) *Images of Empiricism*, pp. 183-208 (2007), Oxford University Press.
8. 'Causal Realism: Events and Processes', *Erkenntnis* (2005) 63: 7-31.
7. 'Structuralism as a Form of Scientific Realism', *International Studies in the Philosophy of Science* (2004) 18: 151-171.
6. 'Stance Relativism: Empiricism versus Metaphysics', *Studies in History and Philosophy of Science* (2004) 35: 173-184.
5. 'The Structuralist Conception of Objects', *Philosophy of Science* (2003) 70: 867-878.
4. 'The Dispositional Essentialist View of Properties and Laws', *International Journal of Philosophical Studies* (2003) 11: 393-413.
3. 'The Semantic or Model-Theoretic View of Theories and Scientific Realism', *Synthese* (2001) 127: 325-345.
2. 'Semirealism', *Studies in History and Philosophy of Science* (1998) 29: 391-408.
1. Irving, T. C., J. Dunning, A. Chakravartty, and B. M. Millman, 'The Effect of High pH and Crosslinking on the Filament Lattice of Vertebrate Striated Muscle', *Biophysical Journal* (1988) 53: 565a.

#### Reviews

8. Review of S. Mumford & R. L. Anjum, *Getting Causes from Powers*, in *British Journal for the Philosophy of Science* 64 (2013): 895-899.

7. Review of B. Ellis, *The Metaphysics of Scientific Realism*, in *Notre Dame Philosophical Reviews* (2010): <http://ndpr.nd.edu/review.cfm?id=20347>.
  6. Review of A. Bird, *Nature's Metaphysics: Laws and Properties*, in *Metascience* 18 (2009): 75-79.
  5. Review of I. Niiniluoto, *Critical Scientific Realism*, in *Philosophy and Phenomenological Research* 69 (2005): 227-230.
  4. Review of E. Agazzi & M. Pauri (eds.), *The Reality of the Unobservable: Observability, Unobservability and Their Impact on the Issue of Scientific Realism*, in *British Journal for the Philosophy of Science* 54 (2003): 359-363.
  3. Review of N. Cartwright, *The Dappled World: A Study in the Boundaries of Science*, in *Philosophy and Phenomenological Research* 66 (2003): 244-247.
  2. Review of C. Norris, *Quantum Theory and the Flight From Realism: Philosophical Responses to Quantum Mechanics*, in *Metascience* 10 (2001): 483-487.
  1. Review of N. Maxwell, *The Comprehensibility of the Universe: A New Conception of Science*, in *Times Higher Education Supplement* 1999: 24 September.
8. Work in progress.
- 'Symmetries, Dispositions, and Explanation: Property Ontology in Fundamental Physics' (article in preparation for a special issue of *Studies in History and Philosophy of Modern Physics*).
- 'Case Studies, Selective Realism, and Historical Evidence' (article in preparation).
9. Papers presented at conferences and workshops.
85. 'Case Studies and Selective Realism', European Society for the Philosophy of Science Biennial Conference, Düsseldorf, 09/2015.
  84. 'Symmetry Principles and Dispositional Explanation', Canadian Society for the History and Philosophy of Science Annual Conference, Ottawa, 05/2015.
  83. 'Symmetries, Dispositions, and Explanation', Workshop on Dispositions in Science, Rome, 04/2015.
  82. 'French on Physics, Metaphysics, Dispositions, and Symmetries', Pacific Division meeting of the American Philosophical Association, Vancouver, 04/2015.
  81. 'Physics, Structures, and Realism', XI International Ontology Congress, San Sebastián, 10/2014.
  80. 'A Case Study of Case Studies: Scientific Realism and Integrated HPS', &HPS Conference, University of Vienna, 06/2014.
  79. 'Scientific Realism as a Voluntaristic Commitment', Science – the Real Thing? Conference, Lingnan University, 05/2014.

78. 'Realism, Pragmatism, and the Metaphysics of Structure', Annual Philosophy of Physics Conference: 'Metaphysics Within and Without Physics', University of Western Ontario, 06/2014.
77. 'Metaphysical Inference and the Demand for Explanation', Metaphysical Virtues Conference, Western Michigan University, 03/2013.
76. 'Lawlike Kinds and Pluralistic Order', Law and Order Conference, University of California, San Diego, 02/2013.
75. 'Causal Structure', Eastern Division meeting of the American Philosophical Association, Atlanta, 12/2012.
74. 'Ontological Pluralism: The Case of Ontic Structural Realism', Workshop on 'Metaphysics of Science: Objects, Relations, and Structures', University of Lausanne, 10/2012.
73. 'Cases as Bases for the Epistemology of Science', International Conference on Scientific Explanation and Methodology of Science, Shanxi University, 09/2012.
72. 'Three Arguments for the Historical Robustness of (Anti-)Realism', Workshop on 'Scientific Realism in Light of the History of Science', Durham University, 09/2012.
71. 'Social and Asocial Epistemologies of Science', Orange Beach Epistemology Workshop on 'Social Epistemology', 05/2012.
70. 'Suspension of Belief and Epistemologies of Science', Workshop on 'Ancient Scepticism, Voluntarism, and Science', University of Notre Dame, 05/2012.
69. 'How Realists Can Make Worlds', PhiloSTEM, Indiana University-Purdue University Fort Wayne, 04/2012.
68. 'Perspectival Frameworks for Scientific Taxonomy', Central Division meeting of the American Philosophical Association, Chicago, 02/2012.
67. 'Classification and Perspective', Workshop on Perceptualism, Ghent University, 01/2012.
66. 'Realism about Scientific Taxonomy', European Philosophy of Science Association Biennial Conference, Athens, 10/2011.
65. 'Pluralistic Ontologies for Scientific Realism', Congress of Logic, Methodology, and Philosophy of Science, Nancy, 07/2011.
64. 'On the Prospects of Naturalized Metaphysics', Metaphysics and the Philosophy of Science Conference, Toronto, 05/2011.
63. 'Saving the Scientific Phenomena: What Powers Can and Cannot Do', Workshop on 'Putting Powers to Work', St. Louis University, 04/2011.
62. 'Ontological Relativity as Indispensible Metaphysics of Science', Pacific Division meeting of the American Philosophical Association, San Diego, 04/2011.
61. 'Idealization versus Supposition: Reply to Sorensen', Pacific Division meeting of the American Philosophical Association, San Diego, 04/2011.

60. 'Naturalized Metaphysics and the *A Priori*', Annual Philosophy of Science Conference, Dubrovnik, 04/2011.
59. 'What Would it Mean for Laws to Exist?: Causal Powers in Nature', La Nature en Éclats Conference, Université Catholique de Louvain, 04/2011.
58. 'On a Proposal for Unity Concerning Science and Metaphysics', Eastern Division meeting of the American Philosophical Association, Boston, 12/2010.
57. 'Dispositional Realism as a Component of Scientific and Structural Realism', Eastern Division meeting of the American Philosophical Association, Boston, 12/2010.
56. 'Causal Powers in Scientific Explanation', British Society for the Philosophy of Science Annual Conference, Dublin, 07/2010.
55. 'Positing Powers', Canadian Society for the History and Philosophy of Science Annual Conference, Montreal, 05/2010.
54. 'Fear of Metaphysics', British Society for the Philosophy of Science Annual Conference Plenary Lecture, Norwich, 07/2009.
53. 'Theoretical Models and Contrastive Explanation', Canadian Philosophical Association Annual Conference, Ottawa, 05/2009.
52. 'Fundamental Physical Entities and their Properties', Canadian Society for the History and Philosophy of Science Annual Conference, Ottawa, 05/2009.
51. 'Subatomic Ontology and Structural Realism', Annual Philosophy of Science, Dubrovnik, 04/2009.
50. 'Perspectivism and Inconsistent Models', Models and Simulations III Conference, University of Virginia, 03/2009.
49. 'Perspectival Knowledge Through Scientific Modelling', Canadian Society for Epistemology Annual Conference, Ottawa, 11/2008.
48. 'Metaphysics between the Sciences and Philosophies of Science', European Congress of Analytic Philosophy, Krakow, 08/2008.
47. 'Two Contemporary Approaches to Understanding the Nature of Scientific Inquiry', British Society for the Philosophy of Science Annual Conference, St. Andrews, 07/2008.
46. 'A Dilemma for Ontic Structuralism', Canadian Philosophical Association Annual Conference, Vancouver, 06/2008.
45. 'Scientific Speculations about the Unobservable', Canadian Society for the History and Philosophy of Science Annual Conference, Vancouver, 06/2008.
44. 'Truth in the Context of Idealization', Workshop on Idealization in Science, Tilburg Center for Logic and Philosophy of Science, 10/2007.
43. 'What Makes a Model a Scientific Representation?', Models and Simulations II Conference, Tilburg Center for Logic and Philosophy of Science, 10/2007.



42. 'Can Objects with only Extrinsic Properties be Causally Efficacious?', Workshop on Structure, Objects, and Causality, Banff, 08/2007.
41. 'A Puzzle about Voluntarism about Rational Epistemic Stances', Fifth Principia International Symposium, Florianópolis, 08/2007.
40. 'Functional Theories of Scientific Representation', Logos Workshop on *Models: Semantics and Ontology*, Barcelona, 07/2007.
39. 'Scientific Representation: Information versus Inference', British Society for the Philosophy of Science Annual Conference, Bristol, 07/2007.
38. 'How Not to Make Progress in Debates Concerning Scientific Realism', Canadian Philosophical Association Annual Conference, Saskatchewan, 05/2007.
37. 'Information and Inference in Scientific Modeling', Canadian Society for the History and Philosophy of Science Annual Conference, Saskatchewan, 05/2007.
36. 'What You Don't Know Can't Hurt You: Realism and the Unconceived', Pacific Division meeting of the American Philosophical Association, San Francisco, 04/2007.
35. 'Metaphysical Speculation and Empiricist Philosophy of Science', Metafisica Conference, Rome, 07/2006.
34. 'Varieties of Truth in Artistic and Scientific Representation', Beyond Mimesis and Nominalism Conference (London School of Economics and the Courtauld Institute), London, 06/2006.
33. 'Where's the Real in Sellar's Realism?: Reply to Brown', Canadian Philosophical Association Annual Conference, Toronto, 05/2006.
32. 'Realist Explanations of the Successes and Failures of Science – Comments on Wray', Pacific Division meeting of the American Philosophical Association, Portland, 03/2006.
31. 'Conventionalism about the Nature of Scientific Theories', Biennial Mexican National Congress of Philosophy, Morelia, 11/2005.
30. 'Representing and Describing', European Congress of Analytic Philosophy, Lisbon, 08/2005.
29. 'The Semantic View of Theories Redux', British Society for the Philosophy of Science Annual Conference, Manchester, 07/2005.
28. 'Linguistic and Non-Linguistic Representation in the Sciences', Canadian Society for the History and Philosophy of Science Annual Conference, London, 05/2005.
27. 'Scientific Kinds and the New Essentialism', Pacific Division meeting of the American Philosophical Association, San Francisco, 03/2005.
26. 'The New Essentialism on Kinds and Laws', British Society for the Philosophy of Science Annual Conference, Canterbury, 07/2004.
25. 'Metaphysics, Epistemology, and Stance Relativism', Canadian Society for the History and Philosophy of Science Annual Conference, Winnipeg, 05/2004.

24. 'The New Essentialism on Laws of Nature', Annual Philosophy of Science, Dubrovnik, 04/2004.
23. 'Stance Relativism', Pacific Division meeting of the American Philosophical Association, Pasadena, 03/2004.
22. 'Realism, Selective Scepticism, and "Structural" Properties', Biennial Mexican National Congress of Philosophy, Guadalajara, 11/2003.
21. 'Russell's Causal Republicanism', British Society for the Philosophy of Science Annual Conference, Belfast, 07/2003.
20. 'Causal Properties and Dispositional Essentialism', Canadian Philosophical Association Annual Conference, Halifax, 05/2003.
19. 'Causal Realism, Events, and Processes', Canadian Society for the History and Philosophy of Science Annual Conference, Halifax, 05/2003.
18. 'Empiricism and Metaphysics in the Philosophy of Science', Annual Philosophy of Science Conference, Dubrovnik, 04/2003.
17. 'The Structuralist Conception of Objects', Philosophy of Science Association Biannual Conference, Milwaukee, 11/2002.
16. 'Abstraction, Idealization, and Approximate Truth', British Society for the Philosophy of Science Annual Conference, Glasgow, 07/2002.
15. 'The Structuralist Conception of Objects', Canadian Society for the History and Philosophy of Science Annual Conference, Toronto, 05/2002.
14. 'Scientific Realism and Kinds for Laws', Canadian Philosophical Association Annual Conference, Toronto, 05/2002.
13. 'Structural Realism and Object Ontology', London School of Economics Structural Realism and Newman's Problem Conference, 03/2002.
12. 'The Dispositional Essentialist View of Properties and Laws', Australasian Association of Philosophy (NZ) Annual Conference, Auckland, 12/2001.
11. 'The Concept of Structure in Scientific Realism', Philosophical Society of Southern Africa Annual Conference, Durban, 01/2001.
10. 'Causal Properties, Dispositions, and Ontic Structuralism', Annual Conference of the Graduate Centre, City University of New York, 11/2000.
9. 'What is an Object?', Cambridge University Postgraduate Philosophy Conference, 05/2000.
8. 'Kinds, Laws, and Explanation', Annual Philosophy of Science Conference, Dubrovnik, 04/2000.
7. 'On the Notion of Cause Revisited', Joint Session of the Aristotelian Society and Mind Association, Nottingham, 07/1999.
6. 'The Semantic View of Theories and Scientific Realism', British Society for the Philosophy of Science Annual Conference, Nottingham, 07/1999.

5. 'Is the Very Notion of Causation Incoherent?', National Postgraduate Analytic Philosophy Conference, Sheffield, 06/1999.
  4. 'Why the Semantic or Model-Theoretic Approach to Theories Doesn't Help the Realist After All', Cambridge University Postgraduate Philosophy Conference, 05/1999.
  3. 'Do Scientific Theories Tell Us the Truth About the Natural World?', Darwin Trust Symposium in Molecular Biology, Edinburgh, 11/1998.
  2. 'Causal Properties and Laws of Nature', National Postgraduate Analytic Philosophy Conference, Sheffield, 06/1998.
  1. 'The Modal Status of Causal Laws', Cambridge University Postgraduate Philosophy Conference, 05/1998.
10. Specially Invited Lectures
84. 'Pragmatism about the Metaphysics of Science', Metaphysics of Science Summer School, Helsinki, 07/2015.
  83. 'Voluntarism about the Metaphysics of Science', Metaphysics of Science Summer School, Helsinki, 07/2015.
  82. 'Fundamental Entities and the Ontology of Properties', Keynote Lecture, Philosophers' Rally, Lublin, 07/2015.
  81. 'Property Ontology in Fundamental Physics', Philosophy of Science Workshop, Bergen, 06/2015.
  80. 'Subatomic Particles: A Case Study in the Metaphysics of Science', Florida State University Philosophy Colloquium, 02/2015.
  79. 'The Realist Stance', CamPoS, University of Cambridge, 10/2014.
  78. 'Fundamental Particles and (Potentially Powerful) Structures: A Proposal for Realist Pragmatism', Power Structures in Ancient Ontologies, University of Oxford, 10/2014.
  77. 'Structures, (Causation,) and the Metaphysics of Physics', Northern Illinois University Philosophy Colloquium, 09/2014.
  76. 'How to be a Realist and Yet a Pragmatist about Subatomic Ontology', University of Pretoria Philosophy Colloquium, 08/2014.
  75. 'Selective Realism and Historical Evidence', University of Johannesburg Philosophy Colloquium, 08/2014.
  74. 'Stance Realism', Keynote Lecture, New Thinking About Scientific Realism Conference, Cape Town, 08/2014.
  73. 'Pluralist Structuralism: Squaring Realism with Pragmatism about the Metaphysics of Structure', Keynote Lecture, Testing Structural Realism Conference, Case Western University, 06/2014.

72. 'Particles, Causation, and Pluralism about the Metaphysics of Structure', Keynote Lecture, University of California, San Diego Graduate Philosophy Conference, 05/2014.
71. 'Voluntary Commitments and the Epistemology of Science', University of California, San Diego Philosophy Colloquium, 05/2014.
70. 'The Necessity and Inefficacy of Historical Cases for Scientific (Anti-)Realism', Indiana University Bloomington HPS Colloquium, 02/2013.
69. 'Voluntarism and Scepticism Regarding Scientific Knowledge', University of Minnesota Joint Philosophy & HPS Colloquium, 02/2013.
68. 'Inferring Dispositions from Scientific Practice', Projet Métaphysique des Sciences, IHPST, University of Paris I, 01/2013.
67. 'Levels of Scientific Ontology, Belief, and Explanation', IHPST Séminaire Général, University of Paris I, 01/2013.
66. 'Voluntarism about Realism and Antirealism', Keynote Lecture, Virginia Tech Graduate Philosophy of Science Conference, 11/2012.
65. 'Case Studies and Scientific Realism', Peking University Philosophy Colloquium, 09/2012.
64. 'Realism in Light of Scientific Practice', Renmin University Philosophy Colloquium, 09/2012.
63. 'Worldmaking and Ontology', University of British Columbia Philosophy 'Spring Colloquia', 03/2012.
62. 'Scientific Realism, Ontology, and Context', University of Barcelona LOGOS Colloquium, 01/2012.
61. 'Scientific Contextualism and Reference', VU University Amsterdam Philosophy Colloquium, 01/2012.
60. 'Scientific and Scientistic Arguments for an Ontology of Dispositions', SUNY Buffalo Philosophy Colloquium, 11/2011.
59. 'Dispositional Realism and Scientific Practice', University of Alberta Philosophy Colloquium, 09/2011.
58. 'Science, Metaphysics, and the *A Priori*', University of Cologne Philosophy Colloquium, 04/2011.
57. 'Dispositional Realism: Arguments from the Sciences', University of Cologne Philosophy Colloquium, 04/2011.
56. 'Three Kinds of Pluralism About Scientific Ontology', University of Notre Dame Philosophy Colloquium, South Bend, 01/2011.
55. 'What Kinds of Things Are There?', Philosophy Course Union Lecture, University of Toronto, 11/2010.
54. 'The Contingencies of Scientific Taxonomy', HPS Workshop, University of Toronto, 10/2010.

53. 'Architecture in Combination with Representation', Halcrow Yolles Lecture Series, Toronto, 04/2010.
52. 'Distinguishing Empirical Science from Metaphysics', Bay Area Philosophy of Science Group, San Francisco, 02/2010.
51. 'On the Possibility of Naturalized Metaphysics', University of Victoria Philosophy Colloquium, 02/2010.
50. 'Scientific Knowledge and the *A Priori*', McMaster Philosophy Department Visiting Speaker Series, 11/2009.
49. 'The Sceptic's Revenge: Voluntarism and Epistemic Stances', Universidad Autónoma Metropolitana, Mexico City, 07/2009.
48. 'Scientific Realism and the Challenge of Perspectivism', Universidad Autónoma Metropolitana, Mexico City, 07/2009.
47. 'Scepticism about Metaphysics in the Context of the Sciences', Universidad Autónoma Metropolitana, Mexico City, 07/2009.
46. 'Relational Identity in Physics', Concordia University Philosophy Colloquium, 03/2009.
45. 'Selective Scepticism and Unconceived Alternatives', University of Waterloo Weinstein seminar, 02/2009.
44. 'There is No Aim of Science', Institute for the History and Philosophy of Science and Technology Colloquium, University of Toronto, 09/2008.
43. 'Model Truths: Perspective and Aspect', Idealization, Abstraction, and Scientific Models Workshop, UAM-I and UNAM, Mexico City, 07/2008.
42. 'Epistemic Objectivity or Bust: Comments on Rouse', Reclaiming the World: The Future of Objectivity Conference, Toronto, 05/2008.
41. 'Metaphysical Austerity and Profligacy in the Interpretation of Scientific Knowledge', University of Melbourne Philosophy Colloquium, 04/2008.
40. 'Structural Realism and Ontological Dependence', Australian National University Philosophy Seminar, Canberra, 04/2008.
39. 'Understanding the Truth of Scientific Representations', National University of Singapore, Science, Technology, and Society Lecture, 04/2008.
38. 'On the Relationship between Science and Metaphysics', Macquarie University Philosophy Seminar, Sydney, 04/2008.
37. 'Ontological Priority as a Basis for Non-Eliminative Structural Realism', University of Auckland Philosophy Department Seminar, 04/2008.
36. 'The Aims of Science', University of Waikato Philosophy Department Seminar, Hamilton, 04/2008.

35. 'Metaphysics between the Sciences and Philosophies of Science', University of Otago Philosophy Seminar, Dunedin, 04/2008.
34. 'On the Relationship between Science and Metaphysics', University of Canterbury Philosophy Research Seminar, Christchurch, 03/2008.
33. 'Ontological Priority as a Basis for Non-Eliminative Structural Realism', University of Canterbury HPS Program Lecture, Christchurch 03/2008.
32. 'A Dilemma for Ontic Structuralism', University of Sydney Philosophy Current Projects Seminar, 03/2008.
31. 'Ontological Priority: Structural Properties and Structural Realism', University of Miami Philosophy Department Colloquium, 11/2007.
30. 'Representing the Content of Scientific Representations', University of Notre Dame History and Philosophy of Science Colloquium, South Bend, 11/2007.
29. 'On the Many Epistemic Statures of Scientific Representation', University of Hyderabad Lecture Series, 10/2007.
28. 'On the Prospect of an Analysis of Scientific Representation', University of Hyderabad Lecture Series, 10/2007.
27. 'Epistemic Stances and the Will to Believe', Carleton University Philosophy Department Colloquium, Ottawa, 09/2007.
26. 'Ontology and Explanation in Realism about the Unobservable', Philosophy of Science Research Group Seminar, University of Western Ontario, 04/2007.
25. 'Some Approximate Truths about Approximate Truth', The Brownbag Research Seminar, York University, 02/2007.
24. 'On Essences and Inductions Concerning Scientific Kinds', Rice University Philosophy Department Colloquium, 01/2007.
23. 'Approximate Truth in Science: Analogies from Art', Swiss Federal Institute of Technology, Zurich, and the University of Zurich Philosophy Department Colloquium, 06/2006.
22. 'How Much Science Should We Believe?', Cotton College Philosophy Department, Guwahati, 12/2005.
21. 'On the Prospects for Realism Concerning Scientific Knowledge', Jadavpur University Philosophy Department, Kolkata (Calcutta), 12/2005.
20. 'Putative Connections Between Essences and Inductions', University of South Carolina Philosophy Department Colloquium, 10/2005.
19. 'On the Rejection of Speculative Metaphysics by Stance Empiricism', University of Waterloo Philosophy Department Colloquium, 11/2004.
18. 'Why the New Essentialism is Too Much Like the Old Essentialism About Natural Kinds', Queen's University Philosophy Department Colloquium, 11/2004.

17. 'How and How Not To Be a Structural Realist', Princeton University van Fraassen seminar, 09/2004.
16. 'Selective Scepticism and Structural Realism', Center for Philosophy of Science, University of Pittsburgh, 09/2004.
15. 'Do Sciences Tell the Truth?', Bhaktivedanta Institute, Mumbai, 04/2004.
14. 'Scientific Kinds and the New Essentialism', Centre for the Philosophy of the Natural and Social Sciences, London School of Economics, 04/2004.
13. 'Empiricism versus Metaphysics in the Epistemology of Science', Department of Philosophy, University of Lethbridge, 11/2003.
12. 'Necessary Connections and Causal Processes', University of Calgary Philosophy Department Colloquium, 11/2003.
11. 'How To Be a Scientific Realist', Institute for the History and Philosophy of Science and Technology Colloquium, University of Toronto, 09/2003.
10. 'Do Sciences Tell the Truth?', Humanities at Noon, University of Toronto at Mississauga, 03/2003.
9. 'The Road Between Entity and Structural Realism', University of Western Ontario Philosophy Department Colloquium, 02/2003.
8. "'Structural" Properties and Scientific Realism', School of Philosophy, University of Leeds, 01/2003.
7. 'Semirealism', The Sigma Club, London, 10/2001.
6. 'The Dispositional Essentialist View of Properties and Laws', University of Nottingham Philosophy Department Seminar, 10/2001.
5. 'What Structural Realism Can and Cannot Be', Moral Sciences Club, University of Cambridge, 11/2000.
4. 'Relativism for the Realist: Kinds of Natural Kinds', Department of Philosophy, University of Toronto, 02/2000.
3. 'Kinds of Natural Kinds', Leeds University History and Philosophy of Science Division Seminar, 11/1999.
2. 'Relativism for the Realist', Cambridge University History and Philosophy of Science Department Seminar, 10/1999.
1. 'Correlations, Causation, and Robustness in Non-Locality', University of Cambridge Philosophy of Physics Group, 01/1997.

**D. DOCTORAL THESES SUPERVISED**

Evan Claudeanos: in progress.

Mousa Mohammadian: in progress.

Xavi Lanao Camara: in progress.

Isaac Record: 'Knowing Instruments: Design, Reliability, and Scientific Practice', completed 2011.

Boaz Miller: 'A Social Theory of Knowledge', completed 2010.

Kaveh Lajevardi: 'Against Modalities: On the Presumed Coherence and Alleged Indispensability of Some Modal Notions', completed 2008.

## F. **REFEREEING**

### **FOR JOURNALS**

*Australasian Journal of Philosophy*  
*British Journal for the Philosophy of Science*  
*Canadian Journal of Philosophy*  
*Dialectica*  
*Dialogue*  
*Erkenntnis*  
*Foundations of Science*  
*International Studies in the Philosophy of Science*  
*Mind*  
*The Monist*  
*Philosophical Quarterly*  
*Philosophical Studies*  
*Philosophy of Science*  
*Southern Journal of Philosophy*  
*Studies in History and Philosophy of Modern Physics*  
*Studies in History and Philosophy of Science*  
*Synthese*  
*Topics in Contemporary Philosophy*

### **FOR COUNCILS, FOUNDATIONS, PRESSES, AND SOCIETIES**

Dutch Organization for Scientific Research  
 National Science Foundation Research Grants competition  
 SSHRC Standard Research Grants competition  
 South African National Research Foundation Research Grants competition  
 Swiss National Science Foundation Research Grants competition

American Philosophical Association  
 Canadian Philosophical Association  
 Canadian Society for the History and Philosophy of Science  
 Hadden Award in the History and Philosophy of Science  
 John Templeton Foundation  
 Notre Dame Institute for Advanced Study  
 Oxford University Press  
 Palgrave Macmillan