

JACOB BECK

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EMPLOYMENT

York University	2012–
York Research Chair in Philosophy of Visual Perception (2018–)	
Coordinator, Cognitive Science Program (2018–)	
Associate Professor, Department of Philosophy (2015–)	
<i>Affiliations:</i> Centre for Vision Research; Vision: Science to Applications; Neuroscience Program; Cognitive Science Program	
Texas Tech University	2008–2012
Assistant Professor, Department of Philosophy	
Washington University in Saint Louis	2009–2011
James S. McDonnell Philosophy-Neuroscience-Psychology Postdoctoral Fellow	

EDUCATION

Harvard University	2008
Ph.D., Philosophy	
University of Pennsylvania	1999
B.A., Philosophy (Major) & Cognitive Science (Minor)	
<i>Summa Cum Laude, Phi Beta Kappa</i>	
Pembroke College, Oxford University	1997–1998
Visiting Student	

SELECT GRANTS AND AWARDS

York Research Chair, Tier II (\$100,000 CAD)	2018–2023
Social Sciences and Humanities Research Council (SSHRC) Insight Grant <i>Beyond Language: How the Mind Represents the World</i> (\$89,253 CAD)	2017–2022
Antwerp Centre for Philosophical Psychology Annual Essay Prize (Co-Winner) “Perceptual Content is Non-Propositional” (€1,000)	2017
American Council of Learned Societies (ACLS) Fellowship <i>Beyond Language: How the Mind Represents the World</i>	2015

PUBLICATIONS

Edited Volume

2017 w/ K. Andrews. *Routledge Handbook of Philosophy of Animal Minds*, New York: Routledge, 522 pages.

Journal Articles

- Forth. [Mundane Hallucinations and New Wave Relationalism](#). *Noûs*, published online first December 2, 2021, 1–23.
- 2021 w/ S. Clarke. [Numbers, Numerosities, and New Directions](#). *Behavioral and Brain Sciences*, 44, e205, 53–62. *Our reply to 26 peer commentaries on our target article*.
- 2021 w/ S. Clarke. [The Number Sense Represents \(Rational\) Numbers](#). *Behavioral and Brain Sciences*, 44, e178, 1–18. *Target article published with 26 peer commentaries and our reply*.
- 2020 [On Perceptual Confidence and “Completely Trusting Your Experience.”](#) *Analytic Philosophy*, 61(2), 174–188.
- 2019 [Perception Is Analog: The Argument from Weber’s Law](#). *The Journal of Philosophy*, 116(6), 319–349. *An early version of this article won the Antwerp Centre for Philosophical Psychology Annual Essay Prize in 2017*.
- 2018 [Analog Mental Representation](#). *Wiley Interdisciplinary Reviews (WIREs): Cognitive Science*, 9(6), e1479.
- 2018 [Marking the Perception–Cognition Boundary: The Criterion of Stimulus-Dependence](#). *Australasian Journal of Philosophy*, 96(2), 319–334.
- 2017 [Can Bootstrapping Explain Concept Learning?](#) *Cognition*, 158, 110–121.
- 2017 w/ K. Schneider. [Attention and Mental Primer](#). *Mind & Language*, 32(4), 463–494.
- 2015 [Analogue Magnitude Representations: A Philosophical Introduction](#). *The British Journal for the Philosophy of Science*, 66(4), 829–855.
- 2014 [Analogue Magnitudes, the Generality Constraint, and Nonconceptual Thought](#). *Mind*, 123, 1155–1165.
- 2013 [Why We Can’t Say What Animals Think](#). *Philosophical Psychology*, 26, 520–546.
- 2013 [Sense, Mentalese, and Ontology](#). *Protosociology*, 30: *Concepts: Contemporary and Historical Perspectives*, 29–48.
- 2012 [Do Animals Engage in Conceptual Thought?](#) *Philosophy Compass*, 7, 218–229.
- 2012 [The Generality Constraint and the Structure of Thought](#). *Mind*, 121, 563–600.
- Spanish Translation: [El Requisito de Generalidad y la Estructura del Pensamiento](#)*. In M. Aguilera, L. Danón, & C. Scotto (eds.), *Conceptos, Lenguaje y Cognición*, Córdoba, Argentina: Editorial de la Universidad Nacional de Córdoba, 2015, pp. 225–281.

Book Chapter

- 2017 [Do Nonhuman Animals Have a Language of Thought?](#) In K. Andrews & J. Beck (eds.), *Routledge Handbook of Philosophy of Animal Minds*, New York: Routledge, 46–55.

Other Academic Publications

- 2020 w/ S. Clarke. [Does the Number Sense Represent Number?](#) *Proceedings of the 42nd Meeting of the Cognitive Science Society*, 1–7.
- 2020 [Review of Christopher Peacocke's *The Primacy of Metaphysics*](#). *European Journal of Philosophy*, 28(1), 266–270.
- 2017 [Some Worries about the “No-Overflow” Interpretation of Post-Stimulus Cueing Experiments](#). *The Brains Blog*, *Mind & Language* Symposium on S. Gross and J. Flombaum, Does Perceptual Consciousness Overflow Cognitive Access? The Challenge from Probabilistic, Hierarchical Processes, June 12.
- 2013 [Atomism about Concepts](#). *Encyclopedia of the Mind*, SAGE Reference.

Popular Pieces

- 2019 [Can We Really Know What Animals Are Thinking?](#) *The Conversation*, September 5.
 French translation: [Peut-on réellement savoir à quoi pensent les animaux?](#) *La Conversation*, September 13, 2019.
 Arabic translation: [هل من الممكن أن تفكر الحيوانات كما نفكر حقاً؟](#). *Popular Science Arabia*, October 31, 2019.
- 2013 [The Only Good Reason to Ban Steroids in Baseball: To Prevent an Arms Race](#). *The Atlantic*, June 17.

PRESENTATIONS (LAST 5 YEARS)

* Refereed

† Online

The Number Sense Represents (Rational) Numbers

- American Philosophical Association Eastern Division, Baltimore Jan 2022
 † Cognitive Science Speaker Series, City University of New York Feb 2021
 † Greater Toronto Area Animal Cognition Group Jan 2021
 † Philosophy & Cognitive Science Program, Boğaziçi University Jan 2021
 † Perception Seminar, Brown University Oct 2020
 † International Mind & Language Workshop, University of Luxembourg Sep 2020

An Adverbial Approach to the Perception–Cognition Border

- † Department of Philosophy, Washington University in Saint Louis Dec 2021

Mundane Hallucinations and New Wave Relationalism

- † Philosophy, Psychology, Neuroscience Research Seminar, University of Glasgow Nov 2021
 † New Waves in Relationalism Conference, University of Wisconsin-Madison May 2021

Vehicles and Contents in Analog Experience

- † Summer of Consciousness (Online Talk Series), Rice University May 2020

Does the Number Sense Represent Number?

*† The 42nd Meeting of the Cognitive Science Society
Language and Development Lab, UCSD

Jul 2020
Feb 2020

Perception Is Analog: The Argument from Weber's Law

*American Philosophical Association Eastern Division, Philadelphia
Department of Philosophy, Carleton University
Perceptual Capacities and Psychophysics Workshop, Rutgers University
Mind Group, Washington University in Saint Louis (via video)

Jan 2020
Oct 2019
Oct 2018
Oct 2018

A Puzzle from Psychophysics

Centre for Vision Research Retreat, Toronto

Oct 2019

A Vote of No Confidence

Perceptual Confidence Workshop, St. John's College, Cambridge

Aug 2019

Introspection, Epiphenomenalism, and Sensory Magnitudes

Numbers, Minds, and Magnitudes Workshop, New College of the Humanities

Jun 2019

On Jake Quilty-Dunn's "Perceptual Pluralism"

Varieties of Intentionality Workshop, New School for Social Research

May 2019

Analog Mental Representation

Centre for Vision Research Retreat, Toronto

Sep 2018

Hallucinations and Perceptual Noise

World Congress of Philosophy, Beijing
Canadian Philosophical Association, Montreal

Aug 2018
Jun 2018

Conscious Experience and the Limits of Science

Ontario Science Centre, Toronto

Mar 2018

Chrysippus' Dog Reconsidered

ECOM Research Group, University of Connecticut

Mar 2018

Is Sensory Experience Analog?

LEMM Group, University of Toronto
Winter Philosophy of Perception Workshop, University of California San Diego
*Society for Philosophy and Psychology, Baltimore
Canadian Philosophical Association, Toronto
Cognitive Science Speaker Series, York University

Mar 2018
Feb 2018
Jun 2017
May 2017
Feb 2017

Stimulus-Dependence and the Perception–Cognition Boundary

The Thought and Sense Conference, University of Oslo

Nov 2017

Mental Primer

Centre for Vision Research Retreat, Toronto

Oct 2017

COURSES TAUGHT

* graduate course

York University: Minds, Brains, and Machines (Introduction to Cognitive Science); Seminar in the Philosophy of Mind; Honours Seminar in Cognitive Science; Philosophy of Cognitive Science*; First-Year

PhD Seminar*; Core Theoretical Philosophy*; Major Figures in Philosophy of Psychology*; Major Problems in the Philosophy of Mind*; Directed Reading on Mental Representation*

Texas Tech University: Beginning Philosophy; The Science of the Mind; Minds, Brains, and Computers; Philosophical Psychology*; Issues in Logic and Epistemology*

Washington University in Saint Louis: Introduction to Cognitive Science; Philosophy of Psychology; Theories of Concepts*

Harvard University: The Analytic and the Synthetic; Philosophy of Perception

EDITING AND REFEREEING

Area Editor, *Ergo* 2018–

Editorial Board Member, *Review of Analytic Philosophy* 2021–

Journal Referee: *Acta Analytica*; *Analysis*; *Australasian Journal of Philosophy*; *British Journal for the Philosophy of Science*; *Canadian Journal of Philosophy*; *Cognition*; *Dialectica*; *Ergo*; *Erkenntnis*; *European Journal for the Philosophy of Science*; *Grazer Philosophische Studien*; *Inquiry*; *Journal of the American Philosophical Association*; *Journal of Numerical Cognition*; *Journal of Philosophy*; *Mind*; *Mind & Language*; *Noûs*; *Pacific Philosophical Quarterly*; *Philosopher's Imprint*; *Philosophical Psychology*; *Philosophical Quarterly*; *Philosophical Studies*; *Philosophies*; *Philosophy and Phenomenological Research*; *Philosophy of Science*; *Review of Philosophy and Psychology*; *Synthese*; *Thought*; *WIREs Cognitive Science*

Book Referee: Cambridge University Press; Oxford University Press; Routledge

Grant Referee: National Science Foundation (NSF); Social Sciences and Humanities Research Council of Canada (SSHRC); Israel Science Foundation (ISF)

Conference Referee: Society for Philosophy and Psychology; Minds Online

EVENT ORGANIZATION

Philosophy of Perception Reading Group	Feb 2017–
Formats of Vision and Thought Workshop (w/ S. Clarke & K. Lande)	May 2022
Cognitive Science Seminar Series	2018–2020
Predictive Vision Philosophy Workshop	Jun 2019
Perception–Cognition Boundary Symposium, CPA, Montreal	Jun 2018
Philosophy of Cognitive Science Program, CPA, Montreal	Jun 2018
Perceptual Capacities and Magnitudes Workshop	May 2018
Sensation and Perception Symposium, CPA, Toronto	Jun 2017
Philosophy of Cognitive Science Program, CPA, Toronto	Jun 2017
Origins of Logical Reasoning Workshop Co-Coordinator (w/ K. Andrews)	May 2016
Attention and Conscious Perception Workshop	May 2015