

# Jorge Morales

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## RESEARCH

### Philosophy:

*Specialization:* Philosophy of Mind, Philosophy of Psychology & Neuroscience

*Competence:* Philosophy of Science, Moral Psychology, Epistemology, Logic

### Psychology & Neuroscience:

Perception, Metacognition, Attention, Consciousness

## ACADEMIC APPOINTMENTS

- 2019–2020     Provost’s Postdoctoral Research Fellow  
                  Johns Hopkins University
- 2018–             Postdoctoral Research Fellow, Psychological and Brain Sciences Department  
                  Chaz Firestone’s Perception & Mind Laboratory  
                  Johns Hopkins University

## EDUCATION

- 2018             Ph.D., Philosophy, Columbia University  
                  Committee: John Morrison (chair), Christopher Peacocke, Elliot Paul, Wayne Wu  
                  & Hakwan Lau  
                  Dissertation: *The Strength of the Mind: Essays on Consciousness and Introspection*
- 2010             M.A. (with honors), Philosophy, UNAM  
                  Thesis: *Animal Cognition and Non-Conceptual Contents*
- 2006             B.A. (with honors), Philosophy, Universidad Panamericana

## VISITING POSITIONS AND OTHER AFFILIATIONS

- 2014-15 Visiting Academic, Center for Neural Science, NYU. Sponsor: Steve Fleming
- 2011-2018 Affiliate, Hakwan Lau's Consciousness & Metacognition Lab. Columbia University (2011-2014) & UCLA (2014-2018)
- 2009 spring Visiting Student, Department of History & Philosophy of Science / Center for the Integrative Study of Animal Behavior, Indiana University, Bloomington. Sponsor: Colin Allen
- 2008-2010 Associate Student, Instituto de Investigaciones Filosóficas, UNAM

## GRANTS

- 2018 Summer Seminars in Neuroscience and Philosophy (SSNaP), \$30,000  
Duke University: Philosophy Department & Institute for Brain Sciences. "The Functions of Consciousness: On the Initiation of Action" (co-PI with Megan Peters, Brian Maniscalco, Brian Odegaard)
- 2015 Department of Philosophy, Columbia University. Funding for hosting \$2,300  
the 8th Annual Conference of the American Association of Mexican Philosophers

## AWARDS

- 2019 Best Poster Prize, Society for Philosophy and Psychology Annual Meeting
- 2017 Travel Award for the Logic and Cognitive Science Initiative Conference on Higher-Order Cognition, North Carolina State University, NC
- 2014 David H. Siff Philosophy of Science Essay Award, Columbia University
- 2011 Philosophy Master's Thesis National Award, Mexican Association of Philosophy
- 2009 National Essay Prize "Reading Science for Everyone," Fondo de Cultura Económica Publishers (Biology category)
- 2007 Philosophy Undergraduate Thesis National Award · Mexican Association of Philosophy (runner-up)

## FELLOWSHIPS

- 2019-2020 Johns Hopkins University Provost's Postdoctoral Fellowship (NIH-level salary + \$7,000 funds for research and professional development)
- 2016-2018 John Kluge Fellowship, Columbia Undergraduate Scholars Program
- 2011-2015 Doctoral Fellowship, CONACYT
- 2010-2016 Doctoral Fellowship, Columbia University

- 2009 Fellowship for studying one semester abroad, UNAM/CONACYT  
 2008 Summer Research Fellowship, Mexican Academy of Sciences  
 2007-2009 M.A. Fellowship, UNAM/CONACYT  
 2002-2006 Undergraduate Scholarship, Universidad Panamericana

## PUBLICATIONS

### *Peer-Reviewed Articles*

1. Phillips, Ian & MORALES, J. (2020) [The Fundamental Problem with No-Cognition Paradigms](#). *Trends in Cognitive Sciences*, 24(3): 165-167.  
*You can read Ned Block's response to us [here](#).*
2. Michel, M. & MORALES, J. (2019) [Minority Reports: Consciousness and the Prefrontal Cortex](#). *Mind & Language (online first)*: 1-21.  
*This paper was featured in the [Brains Blog's Mind & Language Symposium](#) on December 2019 with commentaries by Liz Irvine, Benji Kozuch, and Michael Pitts & Kevin Ortego, and our response.*
3. MORALES, J., Lau, H., & Fleming, S. (2018) [Domain-general and Domain-specific Patterns of Activity Support Metacognition in Human Prefrontal Cortex](#). *The Journal of Neuroscience*, 38(14): 3534-3546.
4. MORALES, J., Mouradi Y., Sergent C., Block N., Taschereau-Dumouchel, V., Rosenthal, D., Grimaldi, P. & Lau, H. (2017) [Measuring Away an Attentional Confound?](#) *Neuroscience of Consciousness*, 3(1): 1-3.
5. MORALES, J., Chiang, J., & Lau, H. (2015) [Controlling for Performance Capacity Confounds in Neuroimaging Studies of Conscious Awareness](#). *Neuroscience of Consciousness*, 1(1): 1-11.
6. MORALES, J., Solovey, G., Maniscalco, B., Rahnev, D., de Lange, F. P., & Lau, H. (2015) [Low Attention Impairs Optimal Incorporation of Prior Knowledge in Perceptual Decisions](#). *Attention, Perception & Psychophysics*, 77(6): 2021–2036.
7. MORALES, J. (2011). [Animal Reasoning: Negation and Representations of Absence](#). *Revista Argentina de Ciencias del Comportamiento*, 3(1): 20–33. (In Spanish)

### *Book Chapters*

8. MORALES, J. & Lau, H. (Forthcoming) [The Neural Correlates of Consciousness](#). In U. Kriegel (Ed.) *Oxford Handbook of the Philosophy of Consciousness*. Oxford: Oxford University Press.

### *Reviews*

9. MORALES, J. (2013). [Review of \*Consciousness and Introspection\*](#), D. Smithies & D. Stoljar (Eds.), New York, Oxford University Press, 2012. *Metapsychology*, 17(9).

## WORK IN PROGRESS

### *Philosophy of Perception*

1. The Double Life of Shapes: The Persistence of Perspectival Representations
2. When the Brain Goes Haywire: Anti-Bayesian Updating in Perception (with Steven Gross and Chaz Firestone), in *Expected Experiences: The Predictive Mind in an Uncertain World*, Tony Cheng and Jakob Howhy (Eds.). (commissioned)

### *Philosophy of Mind*

3. Mental Strength: The Degrees of Conscious Experience
4. Introspection Is Signal Detection \* *under review*
5. Uncertainty Tracks Subjectivity: Metacognition and the Functions of Consciousness (with Hakwan Lau), in *Qualitative Consciousness: Themes from the Philosophy of David Rosenthal*, Josh Weisberg (Ed.), Cambridge University Press. (commissioned)

### *Philosophy of Neuroscience*

6. Decoding Fear: Advances in Decoded Neurofeedback & Challenges for the Philosopher and the Clinical Psychologist
7. The Neural Substrates of Conscious Perception without Performance Confounds (with Brian Odegaard & Brian Maniscalco), in *Anthology in Neuroscience and Philosophy*, Felipe de Brigard & Walter Sinnott-Armstrong (Eds.), MIT Press. (commissioned)

### *Psychology*

8. Sustained Representation of Perspectival Shape: Vision Science as Experimental Philosophy (with Axel Bax & Chaz Firestone) \* *under review*
9. “Are You My Doctor?!”: Social Stereotypes Impair Recognition of Incidental Visual Features (with Austin A. Baker & Chaz Firestone) \* *under review*

### *Neuroscience*

10. The Functions of Consciousness: On the Initiation of Voluntary Action (with Brian Maniscalco, Brian Odegaard & Megan Peters)

## INVITED COLLOQUIA

2018 November	Sacred Heart University	<i>Philosophy Department Colloquium</i>
2018 November	Sacred Heart University	<i>Critical Thinking Speaker Series</i>
2018 May	NYU	<i>Consciousness Group</i>
2018 March	Johns Hopkins University	<i>Vision Science Seminar</i>
2017 February	University College London	<i>Metacog Lab Meeting</i>
2016 February	Universidad Panamericana	<i>Philosophy Department Colloquium</i>
2015 April	CUNY, City College	<i>Philosophy Club</i>
2014 April	CUNY, Graduate Center	<i>Cognitive Science Speaker Series</i>
2014 March	Universidad de Córdoba	<i>Philosophy Department Colloquium</i>
2013 August	UNAM	<i>Associate Students' Seminar</i>
2013 August	U. Autónoma Metropolitana	<i>Perceptual Experience Group</i>

## INVITED CONFERENCE & WORKSHOP TALKS

2019 July	A Signal Detection Theoretical Framework for Introspection. Plenary Symposium, 23 <sup>rd</sup> Meeting of the <i>Association for the Scientific Study of Consciousness</i> , Western Ontario University, London, Canada
2019 June	Does the World Look Flat? Sustained Representation of Perspectival Shapes. <i>Predictive Vision Philosophy Workshop</i> , York University, Toronto, Canada
2017 November	Domain-specific Patterns of Activity Support Metacognition in Prefrontal Cortex. <i>Interdisciplinary Metacognition &amp; Uncertainty Workshop</i> , CUNY, Graduate Center, New York
2014 March	Reading Monkey Metacognition from the Brain. <i>Animal Cognition Workshop</i> , Universidad de Córdoba, Córdoba, Argentina
2012 April	Consciousness, Attention, and Subjective Reports. (with comments by Carla Merino-Rajme & Carlos Montemayor) 5th Meeting of the <i>American Association of Mexican Philosophers</i> , Princeton University, Princeton, New Jersey
2009 April	The Nonconceptualist Meets the Animal Psychologist. 2nd Meeting of the <i>American Association of Mexican Philosophers</i> , CUNY, City College, New York

## CONTRIBUTED CONFERENCE & WORKSHOP PRESENTATIONS

- 2019 September Does the World Look Flat? Vision Science as Experimental Philosophy (with C. Firestone). Talk at the 27<sup>th</sup> Meeting of the *European Society for Philosophy and Psychology*, Athens, Greece
- 2019 July Does the World Look Flat? Vision Science as Experimental Philosophy. (with C. Firestone) 45<sup>th</sup> Meeting of the *Society for Philosophy and Psychology*, University of California, San Diego, California
- 2019 July ‘You’re My Doctor?!’: Social Stereotypes Impair Recognition of Incidental Visual Features (with A. Baker & C. Firestone). Poster presentation at the 45<sup>th</sup> Meeting of the *Society for Philosophy and Psychology*, University of California, San Diego, California  
**\* Best Poster Prize**
- 2019 June Optimizing Matched-Performance, Different-Awareness Stimuli to Experimentally Isolate Awareness from Performance Confounds (with B. Maniscalco [presenter], O. Graham Castaneda, S. Rajananda, B. Odegaard & M. A. K. Peters). Poster at the 23<sup>rd</sup> Meeting of the *Association for the Scientific Study of Consciousness*, Western Ontario University, London, Canada
- 2019 May Does the World Look Flat? Sustained Representation of Perspectival Shapes (with C. Firestone). Talk at the 19<sup>th</sup> Meeting of the *Vision Sciences Society*, St. Pete’s Beach, Florida
- 2019 May “You’re My Doctor?!”: Social Stereotypes Impair Recognition of Incidental Visual Features (with A. Baker [presenter] & C. Firestone). Poster at the 19<sup>th</sup> Meeting of the *Vision Sciences Society*, St. Pete’s Beach, Florida
- 2017 June Introspection and Mental Strength. Talk at the 43<sup>rd</sup> Meeting of the *Society for Philosophy and Psychology*, Johns Hopkins, Baltimore, Maryland
- 2016 June Multivoxel Pattern Analysis Reveals Specific Metacognitive Content in Pre-Frontal Cortex (with H. Lau & S. Fleming). Talk at the 20<sup>th</sup> Meeting of the *Association for the Scientific Study of Consciousness*, Buenos Aires, Argentina
- 2016 April When Behavior is Not Enough: Reading Monkey Metacognition from the Brain. Poster presentation at the *Rethinking the Taxonomy of Psychology Workshop*, Western Ontario University, London, Canada
- 2014 April Controlling for Performance Capacity When Searching for the Neural Correlates of Consciousness. 30<sup>th</sup> Annual *Boulder Conference on the History and Philosophy of Science: Neurons, Mechanisms, and the Mind*, University of Colorado, Boulder, Colorado

- 2014 June Metacognition and the Fate of Unattended Stimuli. Poster presentation at the 40<sup>th</sup> Meeting of the *Society for Philosophy and Psychology*, University of British Columbia, Vancouver, Canada
- 2014 May Temporal Context Effect is Not Specific to Brightness (with J. Erb [presenter], C. Davies & H. Lau). Poster at the 14<sup>th</sup> Meeting of the *Vision Sciences Society*, St. Pete's Beach, Florida
- 2013 April Self-Deception, Epistemic Tension, and Self-Knowledge (with comments by Kathryn Pogin). Talk at the 4<sup>th</sup> *Northwestern/Notre Dame Epistemology Annual Conference*. Notre Dame University, South Bend, Indiana
- 2012 April Probability Integration Effects of Attention: Anti-Bayesian Results. Talk at the 4<sup>th</sup> *Interdisciplinary Graduate Conference on Consciousness*, Boston University, Boston, Massachusetts
- 2012 May Violation of Bayesian Cue Integration Principle Under Attentional Cueing (with D. Rahnev [presenter] & H. Lau). Poster at the 12th Meeting of the *Vision Sciences Society*, St. Pete's Beach, Florida
- 2010 June Animal Rationality: Negation and Representations of Absence. Talk at the 36<sup>th</sup> *Society for Philosophy and Psychology*, Lewis & Clark College, Portland, Oregon
- 2010 January Animal Rationality and Proto-Logic: The Problem of Negation (with comments by Alvaro Peláez). Talk at the 15<sup>th</sup> International Conference of the *Mexican Philosophical Association*, UNAM, Mexico City, Mexico
- 2009 April A Philosophical Case of Misuse of the Animal Psychology Literature. Poster presentation at the 16<sup>th</sup> Annual *Animal Behavior Conference*, CISAB / Indiana University, Bloomington, Indiana
- 2008 April Is Animal Perception a Buzzing Blooming Confusion? Talk at the 15<sup>th</sup> Annual *Animal Behavior Conference*. CISAB / Indiana University, Bloomington, Indiana
- 2008 June Against the Impossibility of Animal Perception in McDowell's *Mind and World*. Poster presentation at the 34<sup>th</sup> *Society for Philosophy and Psychology*, University of Pennsylvania, Philadelphia, Pennsylvania

## PUBLIC ENGAGEMENTS

- 2018 August Interview about my work by Richard Brown for his YouTube series *Consciousness Live!* also available as a *podcast*
- 2017 January You Can Be in Pain Without Knowing It. Talk at *The Night of Philosophy & Ideas*, Brooklyn Library/French Embassy, New York

## MENTORING

2019 spring            Axel Bax (sophomore at Johns Hopkins): psychology project

## TEACHING

2019 spring            Independent study with a graduate student in philosophy at *Rutgers University* on Ancient Theories of the Mind: Aristotle's *De Anima*

### *Columbia University (Instructor)*

2016-18                Columbia Journey Seminar, Columbia Undergraduate Scholars Program  
**\* Including curriculum development**

2017 summer        Philosophy of Language & Mind

2016 summer        Symbolic Logic

### *Columbia University (Teaching Assistant)*

2016 spring        Symbolic Logic (Achille Varzi)

2015 fall            Methods and Problems of Philosophical Thought (David Albert)

2012 spring        Methods and Problems of Philosophical Thought (Jessica Collins)

2011 fall            Introduction to Logic (John Morrison)

### *Universidad Panamericana (Instructor)*

2010 spring        Philosophy of Perception, Senior Seminar (with L. X. López-Farjeat)

2006-2010        Introduction to Logic; Symbolic Logic; History of Civilization; Business Ethics for Engineers; History of Philosophy (Descartes to Kant & 20th century; online); Mind, Brains & Machines (online)

**\* Including curriculum development for all online History of Philosophy Courses and the Philosophy of Mind, Brains & Machines Course**

## SERVICE TO THE PROFESSION

### *Ad Hoc Committees*

2019 October        Templeton World Charity Foundation, Advisor for the Adversarial Collaboration Project "Empirically Testing First vs Higher-Order Theories of Consciousness", NYU, New York



***Ad Hoc Reviewer***

*Philosophy:* Mind & Language, Philosophical Studies, Philosophy of Science, Inquiry, Philosophical Psychology, Journal of Consciousness Studies, Crítica, Revista de Filosofía, Tópicos, Ágora

*Psychology & Neuroscience:* Psychological Science, Scientific Reports, eLife, Neuroscience of Consciousness, Frontiers in Psychology, Revista Argentina de Ciencias del Comportamiento

*Conferences:* Society for Philosophy and Psychology, Minds Online Conference, Columbia-NYU Philosophy Graduate Conference

***Leadership***

2014-2015            President: American Association of Mexican Philosophers

***Comments & Charing***

2019 January        Chair, “Symposium: Perceptual Processing and Perceptual Consciousness,” Eastern APA, New York

2016 April            On Mark Fortney’s “Attention and the Structure of Action,” Pacific APA, San Francisco, California

2015 March            On Brandon Tinklenberg’s “Predictive Coding and the Direction of Attentional Control,” Southern Society for Philosophy and Psychology, New Orleans, Louisiana

2013 May              On Fermin Fulda’s “An Ecological Account of Natural Normativity,” 6<sup>th</sup> Annual Conference of the American Association of Mexican Philosophers, Rutgers University, New Brunswick, New Jersey

2013 April            On Jack Marley-Payne’s “Against Intellectualist Accounts of Belief,” Columbia-NYU Graduate Conference, NYU, New York

2013 February        On Matteo Grasso’s “Integrated Information Theory and the Metaphysics of Consciousness,” 5<sup>th</sup> Online Consciousness Conference

***Conference Organization***

2015                    Minds Online Conference (Brains Blog). Coordinator of the “Perception & Consciousness” Session

2015                    8<sup>th</sup> Annual Conference of the American Association of Mexican Philosophers, Columbia University, New York. Host/Organizer

2010                    Latin American Association of Analytic Philosophy Meeting, UNAM, Mérida, Mexico. Assistant to the President and Student Coordinator

***Diversity & Minorities Empowerment***

2013-2018            Minorities and Philosophy (MAP) Initiative, Columbia University. Mentor

***Coordination & Administration***

2013-2014            Visual Perception University Seminar, Columbia University. Rapporteur

2012-2014            Consciousness & Metacognition Lab, Psychology Department, Columbia University. Research Assistant Coordinator

2008                    *Crítica & Diánoia*, Journals of Philosophy, Instituto de Investigaciones Filosóficas, UNAM. Editorial Assistant

**PROFESSIONAL MEMBERSHIPS**

American Association of Philosophy (APA)

Society for Philosophy & Psychology (SPP)

European Society for Philosophy & Psychology (ESPP)

Association for the Scientific Study of Consciousness (ASSC)

American Association of Mexican Philosophers (AAMP)

Vision Sciences Society (VSS)

Society for Neuroscience (SfN)

**PROFESSIONAL DEVELOPMENT**

2019 & 2018            Trainee at Summer Seminars in Neuroscience and Philosophy, Duke University

2019                    Brainstorm Bootcamp – EEG Workshop, Johns Hopkins University, Baltimore, Maryland

2018                    Trainee at CIFAR Winter School on the Neuroscience of Consciousness, Montreal, Canada

**LANGUAGES & SOFTWARE**

Spanish (native speaker), Italian (proficient)

Python, HTML/CSS/JavaScript, MATLAB, Blender

## REFERENCES

### *Philosophy*

John Morrison  
Department of Philosophy  
Columbia University / Barnard College  
[jmorrison@barnard.edu](mailto:jmorrison@barnard.edu)

Christopher Peacocke  
Department of Philosophy  
Columbia University  
[cp2161@columbia.edu](mailto:cp2161@columbia.edu)

Wayne Wu  
Center for the Neural Basis of Cognition  
Carnegie Mellon University  
[waynewu@andrew.cmu.edu](mailto:waynewu@andrew.cmu.edu)

David Rosenthal  
Department of Philosophy &  
Cognitive Science Program  
The Graduate Center, CUNY  
[davidrosenthal1@gmail.com](mailto:davidrosenthal1@gmail.com)

### *Psychology & Cognitive Neuroscience*

Chaz Firestone  
Psychological & Brain Sciences Department  
Johns Hopkins University  
[chaz@jhu.edu](mailto:chaz@jhu.edu)

Stephen Fleming  
Wellcome Centre for Human Neuroimaging  
University College London  
[stephen.fleming@ucl.ac.uk](mailto:stephen.fleming@ucl.ac.uk)

Hakwan Lau  
Department of Psychology  
University of California, Los Angeles  
[hlau@psych.ucla.edu](mailto:hlau@psych.ucla.edu)

### *Teaching & Curriculum Development*

Lavinia Lorch  
Senior Assistant Dean, Student Affairs  
Director, Columbia Undergraduate Scholars Program  
[lel52@columbia.edu](mailto:lel52@columbia.edu)