

JORGE MORALES, PH.D.

DEPARTMENTS OF PSYCHOLOGY & PHILOSOPHY
NORTHEASTERN UNIVERSITY
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<https://subjectivitylab.org>

ACADEMIC APPOINTMENTS

- 2022– **Assistant Professor**
Department of Psychology & Department of Philosophy
Northeastern University
- 2018–2021 **Postdoctoral Research Fellow**
Psychological and Brain Sciences Department
Johns Hopkins University

EDUCATION

- 2018 Ph.D., Philosophy, Columbia University
2010 M.A., Philosophy, UNAM
2006 B.A., Philosophy, Universidad Panamericana

VISITING POSITIONS / OTHER AFFILIATIONS

- 2022-present Affiliate Member, Center for Philosophy and History of Science, Boston University
2014-15 Visiting Academic, Center for Neural Science, NYU
2011-2018 Affiliate, Hakwan Lau's Consciousness & Metacognition Lab, Columbia University/UCLA
2009 spring Visiting Student, Department of History & Philosophy of Science / Center for the Integrative Study of Animal Behavior, Indiana University
2008-2010 Associate Student, Instituto de Investigaciones Filosóficas, UNAM

AWARDS

- 2021 Travel Award, Vision Sciences Society Meeting
2019 Best Poster Prize, Society for Philosophy and Psychology Annual Meeting
2017 Travel Award, Logic & Cognitive Science Initiative Conference, NC State University
2014 David H. Siff Philosophy of Science Essay Award, Columbia University
2011 Philosophy Master's Thesis National Award, Mexican Association of Philosophy (AFM)
2009 National Essay Prize "Reading Science for Everyone", FCE Publishers (Biology category)
2007 Philosophy Undergraduate Thesis National Award (2nd place), AFM

FELLOWSHIPS

2019-2021	Johns Hopkins University Provost's Postdoctoral Fellowship
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

GRANTS

2023	AJC Merit Research Scholarship Award, Host PI Northeastern University ~\$25,000 to fund an undergraduate scholar in the lab
2022-2023	"The Eye as a Window to the Conscious Mind: Measuring Perceptual Awareness with Pupillometry" Templeton World Charities Foundation (seed subaward) co-PI (with Michael Young, Massachusetts General Hospital) \$24,000
2018-2019	"The Functions of Consciousness: On the Initiation of Action" The John Templeton Foundation (sub-award via Duke University's Summer Seminars in Neuroscience & Philosophy) co-PI (with Megan Peters (UC Irvine), Brian Maniscalco (UC Irvine), Brian Odegaard (University of Florida)) \$30,000

RESEARCH ACTIVITY

PUBLICATIONS

Articles Under Review

1. MORALES, J. & Firestone, C. Philosophy of Perception in the Psychologist's Laboratory. *Current Directions in Psychological Sciences*. (Revise & resubmit)
2. MORALES, J. Finding Consciousness in the Brain. *Philosophy Compass* (commissioned)

Preprints

3. Maniscalco, B., Graham Castaneda, O., Odegaard, B., MORALES, J., Rajananda, S. & Peters, M. (2020) **The Metaperceptual Function: Exploring Dissociations Between Confidence and Task Performance with Type 2 Psychometric Curves.** *PsyArXiv*.

Peer-Reviewed Articles

4. MORALES, J. & Firestone, C. (In Press) **Empirical Evidence for Perspectival Similarity.** *Psychological Review*.
5. MORALES, J. & Firestone, C. (2022) **A New Perspective on Mental Rotation.** *Current Biology*, 32, R1262–R1286.
6. MORALES, J. (2021) **Introspection Is Signal Detection.** *The British Journal for the Philosophy of Science*. Online First.
7. Morales, J., Bax, A., & Firestone, C. (2021). **Perspectival Interference Up Close.** *Proceedings of the National Academy of Sciences*, 118, e2025440118.
8. MORALES, J., Bax, A. & Firestone, C. (2020) **Sustained Representation of Perspectival Shape.** *Proceedings of the National Academy of Sciences*, 117(26): 14873-14882.
9. Phillips, Ian & MORALES, J. (2020) **The Fundamental Problem with No-Cognition Paradigms.** *Trends in Cognitive Sciences*, 24(3): 165-167.
This is a response to Ned Block's article which can be read [here](#) and his response to us [here](#).
10. Michel, M. & MORALES, J. (2020) **Minority Reports: Consciousness and the Prefrontal Cortex.** *Mind & Language* 35: 493-513.
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.
11. 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.
12. 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.
13. 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.
14. 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.

Book Chapters

15. MORALES, J., Odegaard, B. & Maniscalco, B. (2022) **The Neural Substrates of Conscious Perception without Performance Confounds**. In Felipe De Brigard & Walter Sinnott-Armstrong (Eds.), *Neuroscience and Philosophy*. MIT Press.
16. MORALES, J. & Lau, H. (2022) **Confidence Tracks Consciousness**. In Josh Weisberg (Ed.) *Qualitative Consciousness: Themes from the Philosophy of David Rosenthal*. Cambridge University Press.
17. MORALES, J. & Lau, H. (2020) **The Neural Correlates of Consciousness**. In U. Kriegel (Ed.) *Oxford Handbook of the Philosophy of Consciousness*. Oxford: Oxford University Press.

Abstracts

18. MORALES, J. & Firestone, C. (2021). **Attention to Absences**. *Journal of Vision*, 21(9), 1840.
19. Baker, A. A., MORALES, J. & Firestone, C. (2019). **“You’re my doctor?”: Stereotype-incongruent identities impair recognition of incidental visual features**. *Journal of Vision*, 19(10), 156.
20. MORALES, J. & Firestone, C. (2019). **Does the world look flat? Sustained representation of perspectival shape**. *Journal of Vision*, 19(10), 15.
21. Lau, H., MORALES, J. & Rahnev, D. A. (2012). **Violation of Bayesian Cue Integration Principle Under Attentional Cuing**. *Journal of Vision*, 12(9), 127.

Book Reviews

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

KEYNOTES

2022 July	Universidad Diego Portales	<i>Psychology Department Winter Doctoral School</i>
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INVITED COLLOQUIA

2022 November	University College London	<i>The Consciousness Club</i>
2022 September	Boston University	<i>Brain, Behavior & Cognition Talk Series</i>
2022 September	Tufts University	<i>Cognitive and Brain Sciences Seminar Series</i>
2022 February	University of Nevada, Reno	<i>Psychology Department Early Career Speaker Series</i>
2022 February	University of Chicago	<i>Psychology Department Cognition Workshop</i>
2021 November	Universidad Diego Portales	<i>Psychology Department Seminar</i>
2021 October	University of Southern California	<i>Philosophy Department Colloquium</i>
2021 September	Yale University	<i>Cognitive & Developmental Speaker Series</i>
2021 March	University of Antwerp	<i>Centre for Philosophical Psychology Speaker Series</i>
2020 November	CUNY, Graduate Center	<i>Cognitive Science Speaker Series</i>
2020 October	University of Wisconsin-Madison	<i>Cognitive & Developmental Speaker Series</i>
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

2022 August	Seeing What's Not There. Philosophy of Mind Summer Workshop. Columbia University, New York
2019 July	A Signal Detection Theoretical Framework for Introspection. Plenary Symposium, 23 rd 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 & 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

2022 November	Srivastava, S., Morales, J. Scant Evidence for Domain-general Metacognition. Poster at <i>OPAM 30</i> , Boston, Massachusetts
2022 May	Morales, J., Firestone, C. Attentional Prioritization by Absent Parts. Poster at the 22 nd Meeting of the <i>Vision Sciences Society</i>
2021 November	Morales, J. Decoding Fear: Philosophical Challenges for Decoded Neurofeedback, Poster at the Meeting of the <i>Philosophy of Science Association</i>
2021 November	Morales, J., Firestone, C. Attention to Absences. Talk at <i>OPAM 29</i> .
2021 July	Morales, J., Firestone, C. The Perception of Absences. Talk at the 46 th Meeting of the <i>Society for Philosophy and Psychology</i> .

- 2021 May Morales, J., Firestone, C. Attention to Absences. Poster at the 21st Meeting of the *Vision Sciences Society*
- 2020 October Morales, J. Eliminating Fear: Challenges for Decoded Neurofeedback, *Neuromatch 3.0*
- 2019 September Morales, J., Firestone, C. Does the World Look Flat? Vision Science as Experimental Philosophy. Talk at the 27th Meeting of the *European Society for Philosophy and Psychology*, Athens, Greece
- 2019 July Morales, J., Firestone, C. Does the World Look Flat? Vision Science as Experimental Philosophy. 45th Meeting of the *Society for Philosophy and Psychology*, University of California, San Diego, California
- 2019 July Baker, A., Morales, J., Firestone, C. ‘You’re My Doctor?!’: Social Stereotypes Impair Recognition of Incidental Visual Features. Poster presentation at the 45th Meeting of the *Society for Philosophy and Psychology*, UC San Diego, California
- * Best Poster Prize**
- 2019 June B. Maniscalco, O. Graham Castaneda, S. Rajananda, Morales, J., B. Odegaard & M. A. K. Peters. Optimizing Matched-Performance, Different-Awareness Stimuli to Experimentally Isolate Awareness from Performance Confounds. Poster at the 23rd Meeting of the *Association for the Scientific Study of Consciousness*, Western Ontario University, London, Canada
- 2019 May Morales, J., Firestone, C. Does the World Look Flat? Sustained Representation of Perspectival Shapes (with C. Firestone). Talk at the 19th Meeting of the *Vision Sciences Society*, St. Pete’s Beach, Florida
- 2019 May Baker, A., Morales, J., Firestone, C. ‘You’re My Doctor?!’: Social Stereotypes Impair Recognition of Incidental Visual Features. Poster at the 19th Meeting of the *Vision Sciences Society*, St. Pete’s Beach, Florida
- 2017 June Morales, J. Introspection and Mental Strength. Talk at the 43rd Meeting of the *Society for Philosophy and Psychology*, Johns Hopkins, Baltimore, Maryland
- 2016 June Morales, J., Lau, H., Fleming, S. Multivoxel Pattern Analysis Reveals Specific Metacognitive Content in Pre-Frontal Cortex. Talk at the 20th Meeting of the *Association for the Scientific Study of Consciousness*, Buenos Aires, Argentina
- 2016 April Morales, J. 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 Morales, J., Rahnev, D., Maniscalco, B., Lau, H. Controlling for Performance Capacity When Searching for the Neural Correlates of Consciousness. 30th Annual *Boulder Conference on the History and Philosophy of Science: Neurons, Mechanisms, and the Mind*, University of Colorado, Boulder, Colorado
- 2014 June Morales, J. Metacognition and the Fate of Unattended Stimuli. Poster presentation at the 40th Meeting of the *Society for Philosophy and Psychology*, University of British Columbia, Vancouver, Canada

- 2013 April Morales, J. Self-Deception, Epistemic Tension, and Self-Knowledge (with comments by Kathryn Pogin). Talk at the 4th *Northwestern/Notre Dame Epistemology Annual Conference*. Notre Dame University, South Bend, Indiana
- 2012 April Morales, J. Probability Integration Effects of Attention: Anti-Bayesian Results. Talk at the 4th *Interdisciplinary Graduate Conference on Consciousness*, Boston University, Boston, Massachusetts
- 2012 May Rahnev, D., Morales, J., Lau, H. Violation of Bayesian Cue Integration Principle Under Attentional Cueing. Poster at the 12th Meeting of the *Vision Sciences Society*, St. Pete's Beach, Florida
- 2010 June Morales, J. Animal Rationality: Negation and Representations of Absence. Talk at the 36th *Society for Philosophy and Psychology*, Lewis & Clark College, Portland, Oregon
- 2010 January Morales, J. Animal Rationality and Proto-Logic: The Problem of Negation (with comments by Alvaro Peláez). Talk at the 15th International Conference of the *Mexican Philosophical Association*, UNAM, Mexico City, Mexico
- 2009 April Morales, J. A Philosophical Case of Misuse of the Animal Psychology Literature. Poster presentation at the 16th Annual *Animal Behavior Conference*, CISAB / Indiana University, Bloomington, Indiana
- 2008 April Morales, J. Is Animal Perception a Buzzing Blooming Confusion? Talk at the 15th Annual *Animal Behavior Conference*. CISAB / Indiana University, Bloomington, Indiana
- 2008 June Morales, J. Against the Impossibility of Animal Perception in McDowell's *Mind and World*. Poster presentation at the 34th *Society for Philosophy and Psychology*, University of Pennsylvania, Philadelphia, Pennsylvania

COMMENTS AT CONFERENCES

- 2022 January On Ege Yumusak's "The Epistemic Conception of Salience," Eastern APA
- 2016 April On Mark Fortney's "Attention and the Structure of Action," Pacific APA
- 2015 March On Brandon Tinklenberg's "Predictive Coding and the Direction of Attentional Control," Southern Society for Philosophy and Psychology
- 2013 May On Fermin Fulda's "An Ecological Account of Natural Normativity," 6th Annual Conference of the American Association of Mexican Philosophers, Rutgers University
- 2013 April On Jack Marley-Payne's "Against Intellectualist Accounts of Belief," Columbia-NYU Graduate Conference
- 2013 February On Matteo Grasso's "Integrated Information Theory and the Metaphysics of Consciousness," 5th Online Consciousness Conference

PUBLIC ENGAGEMENTS

- 2021 November **Dialogue on "What is Consciousness?"** with Yuri Saalman (UW-Madison) and Steve Paulson (Wisconsin Public Radio). *Crossroads of Ideas*, Wisconsin Alumni Research Foundation.

- 2020 July Interview about my work by Elizabeth Fernandez for her podcast *Spark Dialogue*
- 2020 April London-based artist Cathryn Shilling took the stimuli and fMRI images from my *Journal of Neuroscience* article on metacognition and created a splendid art installation called *Metacognition in Glass*.
- 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

MEDIA COVERAGE

Selection of media coverage of my work:

Forbes Magazine | Nautilus Magazine | The Skeptics' Guide to the Universe | Público (Portuguese National Daily Newspaper) | El Tiempo (Colombian National Daily Newspaper) | ZME Science | Futurity

TEACHING

Northeastern University

- 2022 spring Seminar in Sensation & Perception (Topic: "Consciousness") (PSYC4668, 11 students)

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

Guest Lecturer

- 2022 Northeastern University, Accelerate Pre-College Summer Program – Attention (Ethics and Human Connection in a Digital World Seminar)
- 2020 Guest Lecturer (Online):
U. of Nebraska – Limits of Consciousness (Joseph McCaffrey)
U. of Kansas – Philosophy & Cognitive Science (Sarah Robbins)
U. Buenos Aires – Introduction to Cognitive Science (Guillermo Solovey)
U. Panamericana – Philosophy of Aesthetics (Luis-Xavier López-Farjeat)
- 2019 spring Graduate level independent study on Ancient Theories of the Mind, *Rutgers University*, Department of Philosophy

SUPERVISION OF POST-DOCTORAL RESEARCHERS

- 2022 - present Dillon Plunkett, Northeastern University

SUPERVISION OF GRADUATE STUDENTS

- 2022 - present Michael McPhee, Northeastern University, Ph.D. student in Psychology

ADVISING OF UNDERGRADUATE STUDENTS

- 2022 fall-present Ariana Peralta, Northeastern University, senior student
- 2022 summer-present Saurish Srivastava, Evergreen Valley High School, San Jose, CA, high school student
- 2022 spring-present Kristie Chan, Northeastern University, sophomore student
- 2022 spring-present Kristen Kilgallen, Northeastern University, research co-op (winner of the Psychology Department's Avrom Aaron Leve Award)
- 2019 spring Axel Bax, Johns Hopkins. Psychology project internship that resulted in a high-impact co-authored publication in the *Proceedings of the National Academy of Sciences*

SERVICE TO THE INSTITUTION

Northeastern University

Department Service

- 2022 spring Organizer of the online social reception for prospective Ph.D. students for the Psychology Program

College Service

2022-2023 Search Committee. College of Science, INVEST Junior Faculty Program

2022 spring COS TIER 1 grant reviewer

SERVICE TO THE PROFESSION

Ad Hoc Committees

2021 May, August Templeton World Charity Foundation, Advisor for the Adversarial Collaboration Project “Disentangling Higher-Order Theories of Consciousness”, University College London/Université Libre de Bruxelles

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

Grant Reviewer

2022 spring Templeton Charities Foundation: Accelerating Consciousness Research

Journal Reviewer

PSYCHOLOGY & NEUROSCIENCE: Trends in Cognitive Sciences, eLife, Psychological Review, Journal of Neuroscience, Psychological Science, Psychonomic Bulletin & Review, Journal of Experimental Psychology: General, NeuroImage: Clinical, Scientific Reports, PLOS One, Consciousness & Cognition, Frontiers in Psychology, Visual Cognition, Neuroscience of Consciousness, Revista de Psicología, Revista Argentina de Ciencias del Comportamiento

PHILOSOPHY: Noûs, Australian Journal of Philosophy, Philosophical Studies, Inquiry, Mind & Language, Philosophy of Science, Philosophical Psychology, Journal of Consciousness Studies, Crítica, Revista de Filosofía, Tópicos

Conference Reviewer

Society for Philosophy and Psychology, European Society for Philosophy and Psychology, Minds Online Conference, Columbia-NYU Philosophy Graduate Conference

Leadership

- 2023- Editorial Board Member: Journal of Experimental Psychology: Human Perception & Performance
2021-2024 Executive Committee Member: Society for Philosophy and Psychology
2014-2015 President: American Association of Mexican Philosophers

Diversity, Equity & Inclusion

- 2021 July Guest Speaker at the “Growing Up in Consciousness Science” Salon, 24th Association for the Scientific Study of Consciousness Meeting
2013-2018 Minorities and Philosophy (MAP) Initiative, Columbia University. Mentor

Conference Organization

- 2015 Minds Online Conference (Brains Blog). Coordinator of the “Perception & Consciousness” Session
2015 8th 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

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 DEVELOPMENT

- 2022 BrainBox Fundamentals and Applications of TMS workshop (Online)
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

PROFESSIONAL MEMBERSHIPS

Psychonomic Society

Vision Sciences Society (VSS)

Society for Philosophy & Psychology (SPP)

Association for the Scientific Study of Consciousness (ASSC)

Philosophy of Science Association (PSA)

American Association of Philosophy (APA)

American Association of Mexican Philosophers (AAMP)