

Rachel N. Denison

Assistant Professor
Department of Psychological & Brain Sciences
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Education

University of California, Berkeley, Berkeley, CA
Ph.D. in Neuroscience, Helen Wills Neuroscience Institute, December 2013
Designated Emphasis: Computational Science and Engineering
Advisor: Michael Silver, Ph.D.

University of Oxford, Oxford, United Kingdom
Masters of Science in Neuroscience, September 2007

Yale University, New Haven, CT
Bachelor of Arts in Cognitive Science, May 2006
Summa Cum Laude, with Distinction in Cognitive Science

Parkway Central High School, Chesterfield, MO
Diploma, May 2002

Positions

Assistant Professor, Department of Psychological & Brain Sciences, Boston University
Affiliations: Cognitive Neuroimaging Center, Center for Systems Neuroscience, Graduate Program in Neuroscience at Boston University

Postdoctoral Associate, Department of Psychology and Center for Neural Science, New York University (2014-2020)
Advisors: Marisa Carrasco, Ph.D. and David Heeger, Ph.D.

Funding

“An adversarial collaboration to test predictions of first-order and higher-order theories of consciousness”

PIs: Ned Block, Jan Brascamp, David Chalmers, Rachel Denison, Biyu He, Megan Peters
Templeton World Charity Foundation, 2020-2023

“The perceptual basis of confidence”

\$20,685

Collaborators: Jason Samaha, Tony Cheng, Bradley Postle, Marisa Carrasco
Duke University/Templeton Foundation, 2017-2019

NIH Ruth L. Kirschstein National Research Service Award Individual Postdoctoral Fellowship
National Eye Institute (F32 EY025533), 2016-2018

NIH National Research Service Award Training Grant
National Eye Institute (T32 EY007136), selected by NYU, 2015-2016

National Science Foundation Graduate Research Fellowship
2009-2012

Marshall Scholarship

2006-2008

Distinctions	<p>NYU Postdoctoral Travel Award (2020)</p> <p>Inaugural National Eye Institute Postdoctoral Travel Grant (2019)</p> <p>Inaugural <i>Vision</i> Travel Award, MDPI journal <i>Vision</i> (2018)</p> <p>Summer Seminars in Neuroscience and Philosophy Fellowship, Duke University (2017)</p> <p>Summer Institute in Cognitive Neuroscience Fellowship, UC Santa Barbara (2015)</p> <p>Phi Beta Kappa Graduate Fellowship, Northern California Association of Phi Beta Kappa (2013)</p> <p>Vision Sciences Society Travel Award, Naples, FL (2013)</p> <p>Association for the Scientific Study of Consciousness Travel Award, Kyoto, Japan (2011)</p> <p>International Academy of Achievement Summit, Washington D.C., invited scholar (2007)</p> <p>Yale Student Marshall, top academic student in Branford College, Yale University (2006)</p> <p>Phi Beta Kappa, one of 12 Yale College students selected for junior-year induction (2004)</p> <p>Psi Chi, National Honor Society in Psychology (2005)</p> <p>Bates Summer Traveling Fellowship, Yale University (2005)</p> <p>Wendy Blanning Memorial Fellowship, Yale University (2004)</p> <p>J. Edward Meeker Prize in Freshman English, Yale University (2003)</p> <p>National Merit Scholar (2002)</p>
Pre-doctoral Research Positions	<p>Honorary Research Fellow, Attention Group, Institute of Cognitive Neuroscience, University College London. (October 2007-August 2008)</p> <p><i>Advisor</i>: Jon Driver, F. Med. Sci.</p> <p>Undergraduate Research Assistant, Visual Cognitive Neuroscience Lab, Yale University. (Fall 2004-Spring 2006)</p> <p><i>Advisor</i>: Marvin Chun, Ph.D.</p>
Book chapters	<p>Denison, R.N., Block, N., Samaha, J. (In press.) What do models of visual perception tell us about visual phenomenology? In F. De Brigard & W. Sinnott-Armstrong (Eds.), <i>Neuroscience and Philosophy</i>. Cambridge: MIT Press.</p> <p>Bressler, D.W., Denison, R.N., & Silver, M.A. (2013). Effects of stimulus configuration, stimulus context, and observer state on binocular rivalry. In S. Miller (Ed.), <i>The Constitution of Visual Consciousness: Lessons from Binocular Rivalry</i>. Advances in Consciousness Research. Philadelphia: John Benjamins Publishing Company.</p>
Articles	<p>Samaha, J., Denison, R.N. (In revision). The positive evidence bias in perceptual confidence does not arise in memory. (bioRxiv 2020.03.15.991513)</p> <p>Denison, R.N., Carrasco, M., Heeger, D.J. (In press). A dynamic normalization model of temporal attention. <i>Nature Human Behaviour</i>.</p> <p>Denison, R.N., Block, N., Samaha, J. (In press). "What do models of visual perception tell us about visual phenomenology"? In F. De Brigard & W. Sinnott-Armstrong (Eds.), <i>Neuroscience and Philosophy</i>. Cambridge: MIT Press.</p>

Denison, R.N., Parker, J., Carrasco, M. (2020). Modeling pupil responses to rapid sequential events. *Behavior Research Methods*. 52, 1991-2007.

Rahnev, D., ... **Denison, R.N.**, ... Zylberberg, A. (2020). The confidence database. *Nature Human Behaviour*. 4(3), 317-325.

Denison, R.N., Yuval-Greenberg, S., Carrasco, M. (2019). Directing voluntary temporal attention increases fixational stability. *Journal of Neuroscience*. 39(2), 353-363.

Fernández, A., **Denison, R.N.**, Carrasco, M. (2019). Temporal attention improves perception similarly at foveal and parafoveal locations. *Journal of Vision*. 19(1):12.

Rahnev, D.* & **Denison, R.N.*** (2018). Suboptimality in perceptual decision making. *Behavioral and Brain Sciences*, 41, E223. [Target Article]

Rahnev, D., & **Denison, R.N.** (2018). Behavior is sensible but not globally optimal: Seeking common ground in the optimality debate. *Behavioral and Brain Sciences*, 41, E251. [Author's Response to Commentaries]

Denison, R.N.*, Adler, W.T.*, Carrasco, M., Ma, W.J. (2018). Humans incorporate attention-dependent uncertainty into perceptual decisions and confidence. *Proceedings of the National Academy of Sciences, USA*. 115(43), 11090-11095. *Equal contribution.

Piazza, E.A., **Denison, R.N.**, Silver, M.A. (2018). Recent cross-modal statistical learning influences visual perceptual selection. *Journal of Vision*, 18(3):1, 1-12.

Chen, Z., **Denison, R.N.**, Whitney, D., Maus, G. (2018). Illusory occlusion affects stereoscopic depth perception. *Scientific Reports*, 8:5297.

Denison, R.N., Heeger, D.J., Carrasco, M. (2017). Attention flexibly trades off across points in time. *Psychonomic Bulletin & Review*, 24, 1142–1151.

Yashar, A. & **Denison, R.N.** (2017). Feature reliability determines specificity and transfer of perceptual learning in orientation search. *PLoS Computational Biology*, 13(12): e1005882.

Denison, R.N. (2017). Precision, not confidence, describes the uncertainty of perceptual experience. (Response to John Morrison's "Perceptual confidence".) *Analytic Philosophy*, 58(1):58-70.

Chen, Z., Maus, G., Whitney, D., **Denison, R.N.** (2017). Filling-in rivalry: Perceptual alternations in the absence of retinal image conflict. *Journal of Vision*, 17(1):8, 1-15.

Denison, R.N., Sheynin, J., Silver, M.A. (2016). Perceptual suppression of predicted natural images. *Journal of Vision*, 16(13):6.

Denison, R.N., Vu, A.T., Yacoub, E., Feinberg, D.A., Silver, M.A. (2014). Functional mapping of the magnocellular and parvocellular subdivisions of human LGN. *NeuroImage*, 102(P2), 358-369.

Denison, R.N., Driver, J., Ruff, C.C. (2013). Temporal structure and complexity affect audio-visual correspondence detection. *Frontiers in Psychology*, 3:619.

Denison, R.N. & Silver, M.A. (2012). Distinct contributions of the magnocellular and parvocellular visual streams to perceptual selection. *Journal of Cognitive Neuroscience*, 24(1), 246-259.

Denison, R.N., Piazza, E., Silver, M.A. (2011). Predictive context influences perceptual selection during binocular rivalry. *Frontiers in Human Neuroscience*, 5:166.

Baines S., Ruz M., Rao A., **Denison, R.**, Nobre A.C. (2011). Modulation of neural activity by motivational and spatial biases. *Neuropsychologia*, 49(9), 2489-97.

Denison, R. & Raymond-Delpech, V. (2008). Insights into the molecular basis of social behaviour from studies on the honeybee, *Apis mellifera*. *Journal of Invertebrate Neuroscience*, 8(1), 1-9.

Book reviews **Denison, R.** (2019). How your brain makes meaning. Review of *The Brain from Inside Out*, by Györgi Buzsáki. *The Cooper Square Review of Science, Medicine, and Technology*.

Denison, R. (2017). What is it like to be an octopus? Review of *Other Minds: The Octopus, the Sea, and the Deep Origins of Consciousness*, by Peter Godfrey Smith. *The Cooper Square Review of Science, Medicine, and Technology*.

Workshops Invited workshop participant, “Goals for the field of metacognition.” Organized by Dobromir Rahnev, virtual.

Computational Cognitive Neuroscience society Generative Adversarial Collaboration invited workshop, “Is perception probabilistic?”, virtual, September 2020. Organized and presented workshop together with Dobromir Rahnev, Janneke Jehee, and Ned Block. >200 attendees.

Invited panels Cognition and Neuroscience panel, organized by NYU Psi Chi, virtual, September 2020.

Cognitive neuroscience of consciousness trainee recruitment event, organized by Hakwan Lau, virtual, August 2020.

Invited talks **Denison, R.N.** (2020). Modeling pupil responses to dynamic events. Invited talk presented at Advancing Methods in Pupillometry (AMP2020) virtual workshop.

Denison, R.N. (2020). The dynamics of temporal attention. Invited talk presented at UCSD Sensation and Perception seminar series, San Diego, CA (virtual).

Denison, R.N. (2020). The dynamics of temporal attention. Invited talk presented at Visual Attention Lab at Brigham and Women’s Hospital, Boston, MA (virtual).

Denison, R.N. (2020). Inferring internal causes of uncertainty to improve decision making. Invited symposium presented at Cognitive Neuroscience Society (CNS) virtual conference.

Denison, R.N. (2019). The dynamics of temporal attention. Invited talk presented at Yale Cognitive and Developmental Psychology Current Works seminar series, Yale University, New Haven, CT.

Denison, R.N. (2019). The dynamics of attention. Invited talk presented at “Encephelon: Neuroscience Thinking Forward,” Columbia University, New York, NY.

Denison, R.N. (2019). The dynamics of temporal attention. Invited talk presented at Department of Experimental Psychology, University of Oxford, Oxford, UK.

Denison, R.N. (2019). Invited talk presented at philosophy workshop, “Confidences in Cambridge,” Cambridge University, Cambridge, UK.

Denison, R.N. (Fall 2018 - Spring 2019). The dynamics of temporal attention. Invited talks presented at Boston University, Boston, MA; Princeton University, Princeton, NJ; Queen’s University, Kingston, Canada; UC Irvine, Irvine, CA; University of Iowa, Iowa City, IA; University of Rochester, Rochester, NY; UT Austin, Austin, TX.

Denison, R.N. (2018). Limits of temporal attention. Invited talk presented at NYU Abu Dhabi Institute “Conscious and Unconscious Limits on Perception Conference,” Abu Dhabi, UAE.

Denison, R.N. (2018). The dynamics of temporal attention. Invited talk presented at CUNY, Cognitive Science Speaker Series, New York, NY.

Denison, R.N. (2018). Attentional selection in time and in decision making. Invited talk presented at Harvard University, Cognition, Brain, and Behavior Seminar, Cambridge, MA.

Denison, R.N. (2018). Perception as a causal inference tree. Invited symposium speaker, “Is perception a natural kind?” American Philosophical Association Pacific Division Meeting, San Diego, CA.

Denison, R.N. (2018). The dynamics of temporal attention. Invited talk presented at Brown University, Perception and Action Seminar, Providence, RI.

Denison, R.N. (2018) The dynamics of temporal attention. Invited talk presented at University of California, Santa Barbara.

Denison, R.N. (2017). Attention and uncertainty in perceptual decision making. Invited presentation at the “Interdisciplinary Metacognition and Uncertainty Meeting”, CUNY, New York, NY.

Denison, R.N. (2017). The dynamics of temporal attention. Invited talk presented at Dartmouth, Cognition and Perception Seminar, Hanover, NH.

Denison, R.N. (2017). Perceptual experience and probability. Invited talk presented at “Probability and Perception” workshop, University of California, Berkeley, Department of Philosophy, Berkeley, CA.

Denison, R.N. (2016). Temporal attention manages perceptual limitations across time. Invited talk presented at the Donders Institute for Cognitive Neuroscience, Nijmegen, The Netherlands.

Denison, R.N., Vu, A., Yacoub, E., Feinberg, D.A., Silver, M.A. (2015). High-field mapping of the magnocellular and parvocellular subdivisions of human LGN. Symposium talk presented at the Annual Meeting of the *Organization of Human Brain Mapping*, Honolulu, HI.

Denison, R.N. (2015). Perceptual tradeoffs mediated by temporal attention. Invited talk presented at George Washington University, Washington, D.C.

Denison, R.N. (2014). Functional mapping of the magnocellular and parvocellular subdivisions of human LGN. Invited talk presented at the University of Oxford, Oxford, UK.

Denison, R.N. (2013). Functional mapping of the magnocellular and parvocellular subdivisions of human LGN. Invited talk presented at Vision Lunch, Stanford University, Stanford, CA.

- Presentations **Denison, R.N.**, Tian, K., Heeger, D.J., Carrasco, M. (2020). Voluntary temporal attention and MEG visual cortical responses. Poster presented at the virtual *Vision Sciences Society* conference.
- Samaha, J., Postle, B.R., **Denison, R.N.** (2019). The positive evidence bias in perceptual confidence is not accounted for by memory biases or post-decision evidence accumulation. Talk presented at the 23rd Annual Meeting of the *Association for the Scientific Study of Consciousness*, London Ontario, Canada.
- Denison, R.N.**, Parker, J., Carrasco, M. (2019). Estimation of pupillary responses to rapid events. Poster presented at the 19th Annual Meeting of the *Vision Sciences Society*, St. Pete Beach, FL. (**Travel award**)
- Denison, R.N.**, Yuval-Greenberg, S., Carrasco, M. (2018). Voluntary temporal attention affects the rate and timing of microsaccades. Poster presented at the 18th Annual Meeting of the *Vision Sciences Society*, St. Pete Beach, FL. (**Travel award**)
- Fernandez, A., **Denison, R.N.**, Carrasco, M. (2018). Temporal attention improves perception at foveal and parafoveal locations equally. Poster presented at the 18th Annual Meeting of the *Vision Sciences Society*, St. Pete Beach, FL.
- Denison, R.N.**, Carrasco, M., Heeger, D.J. (2017). A dynamic normalization model of temporal attention. Poster presented at the *Society for Neuroscience Annual Meeting*, Washington, D.C.
- Adler, W.T, **Denison, R.N.**, Carrasco, M., Ma, W.J. (2017). When making confidence judgments, people take into account bottom-up and top-down stimulus uncertainty. Poster presented at the 1st *Cognitive Computational Neuroscience Annual Conference*, New York, NY.
- Denison, R.N.**, Parker, J., Carrasco, M. (2017). Pupil dilation reveals the timecourse of voluntary temporal attention. Poster presented at the 40th *European Conference on Visual Perception*, Berlin, Germany.
- Denison, R.N.***, Adler, W.T.*, Carrasco, M., Ma, W.J. (2017). Accounting for attention in perceptual decisions and confidence. Talk presented at the 17th Annual Meeting of the *Vision Sciences Society*, St. Pete Beach, FL. *Equal contribution.
- Denison, R.N.***, Adler, W.T.*, Carrasco, M., Ma, W.J. (2017). Humans flexibly incorporate attention-dependent uncertainty into perceptual decisions and confidence. Talk presented at *Cosyne 17*, Salt Lake City, UT. *Equal contribution.
- Denison, R.N.**, Heeger, D.J., Carrasco, M. (2016). Dynamics of voluntary and involuntary temporal attention. Poster presented at the Center for Visual Science Symposium, “The Future of Visual Attention”, University of Rochester, Rochester, NY.
- Denison, R.N.**, Heeger, D.J., Carrasco, M. (2016). Dynamics of voluntary and involuntary temporal attention. Poster presented at the 16th Annual Meeting of the *Vision Sciences Society*, St. Pete Beach, FL.
- Maus, G., Chen, Z., **Denison, R.N.** (2016). Illusory occlusion can trump binocular disparity. Poster presented at the 16th Annual Meeting of the *Vision Sciences Society*, St. Pete Beach, FL.
- Denison, R.N.**, Heeger, D.J., Carrasco, M. (2015). Voluntary attention is selective in time: perceptual tradeoffs. Talk presented at the 15th Annual Meeting of the *Vision Sciences Society*, St. Pete Beach, FL.

Chen, Z., **Denison, R.N.**, Whitney, D., Maus, G. (2015). Ambiguous filling-in at the blind spot resolved through perceptual rivalry. Poster presented at the 15th Annual Meeting of the *Vision Sciences Society*, St. Pete Beach, FL.

Denison, R.N., Chen, Z., Maus, G. (2015). The jumping pen illusion. Demo Night presentation at the 15th Annual Meeting of the *Vision Sciences Society*, St. Pete Beach, FL.

Piazza, E.A., **Denison, R.N.**, Sweeny, T., Sheynin, J., Silver, M.A., & Whitney, D. (2014). The optimal time scale of statistical summary in human auditory perception. Talk presented at the 44th Annual Meeting of the *Society for Neuroscience*, Washington, D.C.

Denison, R.N., Sheynin, J., Silver, M.A. (2014). Statistical learning facilitates the identification of targets in perceptual competition with learned images. Poster presented at the 14th Annual Meeting of the *Vision Sciences Society*, St. Pete Beach, FL.

Denison, R.N. (2014). Functional mapping of the magnocellular and parvocellular subdivisions of human LGN. Talk presented at the *Center for Brain Imaging Seminar, New York University*, New York, NY.

Denison, R.N., Vu, A., Yacoub, E., Feinberg, D.A., & Silver, M.A. (2013). Mapping magnocellular and parvocellular subdivisions of human LGN at high spatial resolution with 3T and 7T fMRI. Talk presented at the 43rd Annual Meeting of the *Society for Neuroscience*, San Diego, CA.

Denison, R.N., Schram, M.B., Sheynin, J., & Silver, M.A. (2013). Visual statistical learning guides perceptual selection. Talk presented at the 13th Annual Meeting of the *Vision Sciences Society*, Naples, FL. (**Travel award**)

Denison, R.N. (2013). Functional mapping of the magnocellular and parvocellular subdivisions of human LGN. Talk presented at *Brain Imaging Center Day, UC Berkeley*, Berkeley, CA.

Denison, R.N. (2012). Spatiotemporal mechanisms contributing to visual perception and awareness. Talk presented at the *Cognition, Brain, and Behavior Colloquium*, Department of Psychology, University of California, Berkeley.

Denison, R.N., Vu, A., Yacoub, E., Feinberg, D.A., & Silver, M.A. (2012). Functional mapping of the magnocellular and parvocellular subdivisions of human LGN. Poster presented at the 42nd Annual Meeting of the *Society for Neuroscience*, New Orleans, LA.

Denison, R.N., Vu, A., Yacoub, E., Feinberg, D.A., & Silver, M.A. (2012). Functional mapping of the magnocellular and parvocellular subdivisions of human LGN. Talk presented at the annual meeting of the *Helen Wills Neuroscience Institute, UC Berkeley*, Tahoe City, CA.

Piazza, E., **Denison, R.N.**, Schram, M.B., & Silver, M.A. (2012). Implicit multisensory statistical learning influences perceptual selection. Poster presented at the 12th Annual Meeting of the *Vision Sciences Society*, Naples, FL.

Denison, R.N., Vu, A., Yacoub, E., Feinberg, D.A., & Silver, M.A. (2012). fMRI of the magnocellular and parvocellular subdivisions of human LGN. Poster presented at the 12th Annual Meeting of the *Vision Sciences Society*, Naples, FL.

Denison, R.N., Vu, A., Yacoub, E., Feinberg, D.A., & Silver, M.A. (2012). Imaging the magno- and parvocellular subdivisions of human LGN. Talk presented at *Brain Lunch*, University of California, Berkeley.

Denison, R.N., Piazza, E., & Silver, M.A. (2011). Predictive context biases perceptual selection during binocular rivalry. Talk presented at the 15th Annual Meeting of the *Association for the Scientific Study of Consciousness*, Kyoto, Japan. (**Travel award**)

Denison, R.N., Piazza, E., & Silver, M.A. (2011). Predictive context biases perceptual selection during binocular rivalry. Poster presented at the 11th Annual Meeting of the *Vision Sciences Society*, Naples, FL.

Denison, R.N. & Silver, M.A. (2011). Imaging the magno- and parvocellular subdivisions of human LGN. Talk presented at the *Neuroimaging Seminar Series*, University of California, Berkeley.

Denison, R.N., Hillenbrand, S.F., & Silver, M.A. (2010). Separate contributions of magno- and parvocellular streams to perceptual selection during binocular rivalry. Talk presented at the 10th Annual Meeting of the *Vision Sciences Society*, Naples, FL.

Denison, R.N., Hillenbrand, S.F., & Silver, M.A. (2009). Separate contributions of magno- and parvocellular streams to perceptual selection during binocular rivalry. Talk presented at the annual meeting of the *Berkeley Vision Science Department*, Marin, CA.

Denison, R.N. & Silver, M.A. (2009). Stimulus factors governing perceptual selection during binocular rivalry. Poster presented at the 39th Annual Meeting of the *Society for Neuroscience*, Chicago, IL.

Denison, R.N., Driver, J., & Ruff, C.C. (2009). A role for temporal structure in audio-visual integration. Talk presented at the 10th *International Multisensory Research Forum*, New York, NY.

Teaching

Guest lecturer, NYU: Graduate seminar 'Attention' (2017, 2019), Graduate seminar 'Philosophy of Perception' (2019), Undergraduate seminar 'How We See' (2017, 2019), Undergraduate seminar 'Perceptual Dynamics' (2017), Undergraduate lecture 'Perception' (2016); Berkeley: Undergraduate lecture 'Mammalian Neuroanatomy' (2009)

Statistics course design and curriculum development. Member and student organizer of committee to create a new graduate statistics course for the Neuroscience Graduate Program, Helen Wills Institute of Neuroscience, University of California, Berkeley. Course title: "Applied Statistics for Neuroscience", offered for the first time in Spring 2014. (April-December 2013)

Graduate Student Instructor, 'Introduction to Neurobiology', University of California, Berkeley (Spring 2011)

Graduate Student Instructor, 'Mammalian Neuroanatomy', University of California, Berkeley (Fall 2009)

Course Instructor, 'MATLAB for Cognitive Neuroscience', Institute of Cognitive Neuroscience, University College London (October 2007-March 2008)

Training

Advanced Science Communication Workshop (Stephen Hall), New York University (November 2016).

MEG/EEG Fieldtrip Toolkit, Donders Institute for Cognitive Neuroscience (April 2016)

Grantsmanship for Postdocs Workshop, New York Academy of Sciences (November 2015)

Higher Education Teaching Workshop, New York University (November 2015)

Science Communication Workshop (Stephen Hall), New York University (September 2015)

Summer Institute in Cognitive Neuroscience, University of California, Santa Barbara (June 2015)

Python Boot Camp, University of California, Berkeley (January 2012)

MATLAB for Cognitive Neuroscience, Institute of Cognitive Neuroscience, University College

London (October 2007-July 2008)

Statistical Parametric Mapping (SPM) Short Course, Institute of Cognitive Neuroscience, University College London (May 2007, 2008)

Functional Imaging Methods, Functional Imaging Laboratory, University College London (October 2007-April 2008)

Transcranial Magnetic Stimulation (TMS) Summer School, University College London (May 2007)

Professional
Societies

Society for Neuroscience
Vision Sciences Society
Organization for Human Brain Mapping
New York Academy of Sciences
National Postdoctoral Association
American Philosophical Association

Reviewing

Journals: *Attention, Perception, & Psychophysics; Cognition; Cerebral Cortex; Experimental Brain Research; eLife; Frontiers in Human Neuroscience; Frontiers in Psychology – Perception Science; Human Brain Mapping; Journal of Cognitive Neuroscience; Journal of Eye Movement Research; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Vision* (cited for “Exceptionally Good Review”); *Journal of Neurophysiology; Journal of Neuroscience; Nature Communications; Neuroscience of Consciousness; PeerJ; PLoS Biology; PLoS Computational Biology; PLoS One; PNAS; Psychological Review; Psychological Science; Psychonomic Bulletin and Review; Scientific Reports; Vision Research; Visual Cognition*
Grants: *European Research Council, Icelandic Research Fund*
Conferences: *Computational and Cognitive Neuroscience (CCN), European Conference on Eye Movements (ECEM)*

Science
Outreach &
Service

Vision Journal Club, co-organizer, New York University (2016-2018)
Website: nyuvisionjournalclub.github.io
Neuroscience Outreach Group at NYU, volunteer (2015-present)
America Needs You, STEM careers panelist (Summer 2014)
Time Club, founder and organizer of semi-weekly journal club on temporal dynamics in sensory processing, University California, Berkeley (Spring 2012-Spring 2013)
Website: www.sites.google.com/site/berkeleytimeclub
Helen Wills Neuroscience Graduate Program Curriculum Review Committee, University of California, Berkeley (Spring 2012-Fall 2013)
Helen Wills Neuroscience Institute Student Invited Seminar Committee, University of California, Berkeley (Summer 2009-Spring 2012)
Mind and Brain Night, science outreach at public elementary schools in Berkeley and Oakland, CA (2008-present)
Neuroscience in Schools, speaker at public schools in Berkeley and Oakland (2009-2013)