

JASON M. SAMAHA

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Education

- 2013 – present University of Wisconsin – Madison, PhD. Psychology (expected 2018)
Advisor: *Bradley R. Postle*
- 2010 – 2013 San Francisco State University, BA. Psychology
Honors Thesis Mentors: *Ezequiel Morsella & Mark W. Geisler*

Awards and Fellowships

- 2017 Samaha, J. (PI), Denison, R. (PI). *The Perceptual Basis of Confidence*. Summer Seminars in Neuroscience and Philosophy sub-grant (\$19,700)
- 2017 Summer Seminar in Neuroscience and Philosophy Fellow, Duke University
- 2017 Graduate Student Poster Award, Cognitive Neuroscience Society
- 2016 Computational and Cognitive Neuroscience Summer School Fellowship, NYU-Shanghai
- 2015 Summer Institute in Cognitive Neuroscience Fellowship, NIMH-funded
- 2014 Hertz Travel Award, University of Wisconsin-Madison
- 2011 – 2013 Career Opportunities in Research Education Training Fellowship
National Institutes of Mental Health (\$40,000)
- 2013 First place recipient, 15th annual San Francisco State University project showcase
- 2013 First place recipient, San Francisco State University Psi Chi poster competition
- 2012 Second place recipient, 14th annual San Francisco State University project showcase

Research Assistantships

- 2011 – 2013 Gazzaley Laboratory, University of California, San Francisco.
Principal Investigators: *Adam Gazzaley, Joaquin A. Anguera, & Bradley Voytek*
- Summer 2012 Sackler Center for Consciousness Science, University of Sussex, UK.
Principal investigators: *Anil Seth & Ryan Scott*

Professional and Teaching Experience

- 2015 - present Ad-hoc reviewer – *The Journal of Neuroscience; The Journal of Neurophysiology; Neuropsychologia; The Journal of Cognitive Neuroscience; The Journal of Experimental Psychology: General; eNeuro; Consciousness and Cognition; NeuroImage; Nature Scientific Reports.*
- 2015 Teaching Assistant – Psychology 414: Cognitive Psychology. Dr. Timothy T. Rogers, UW-Madison
- 2014 Graduate Research Mentor – Research Experiences for Undergraduates, NSF. Formal Mentorship Training Summer Program, UW-Madison. Mentee: *Phoebe Bauer*, Reed College.

2012 – 2013	Lab Manager – Cognitive Psychophysiology Lab. Principal Investigator: <i>Mark W. Geisler</i> , SFSU
2013	Teaching Assistant – Psychology 571: Intermediate Psychological Statistics, SFSU
2012	Teaching Assistant – Psychology 400: Research Methods, SFSU
2011	Teaching Assistant – Psychology 200: Introduction to Psychology, SFSU

Publications

2017	Wutz, A*, Melcher, D., Samaha, J* , Frequency modulation of neural oscillations according to visual task demands. (<i>under review</i>). *Equal contribution.
2017	Samaha, J. & Postle, B.R. Correlated individual differences suggest a common mechanism underlying metacognition in visual perception and visual short-term memory. (<i>under review</i>)
2017	Samaha, J. , Boutonnet, B., Lupyan, G. How prior knowledge prepares perception: Prestimulus oscillations carry perceptual expectations and influence early visual responses. (<i>under review</i>).
2017	Samaha, J. , Iemi, L., & Postle, B.R. Prestimulus alpha-band power biases visual discrimination confidence, but not accuracy. <i>Consciousness and Cognition</i>
2017	Votyek, B., Samaha, J. , Rolle, C.E., Greenberg, Z., Gill, N., Porat, S., Kader, R., Rahman, S., Malzyner, R., & Gazzaley, A (2017). Preparatory encoding of the fine scale of human spatial attention. <i>Journal of Cognitive Neuroscience</i> .
2017	Samaha, J. , Gosseries, O., & Postle, B.R. Distinct oscillatory frequencies underlie excitability of human occipital and parietal cortex. <i>Journal of Neuroscience</i>
2017	Lapate, R.C., Samaha, J. , Rokers, B., Hamzah, H., Postle, B.R., Davidson, R.J. Inhibition of lateral prefrontal cortex produces emotionally biased first impressions: A TMS/EEG study. <i>Psychological Science</i>
2016	Reveley, C., Gruslys, A., Ye, F.Q., Glen, D., Samaha, J. , Russ, B.E., Saad, Z., Seth, A.K., Leopold, D.A., & Saleem K.S. Three-dimensional digital template atlas of the macaque brain. <i>Cerebral Cortex</i> .
2016	Samaha, J. , Barrett, J.J., Sheldon, A.S., LaRocque, J.J., & Postle B.R. Dissociating perceptual confidence from discrimination accuracy reveals no influence of metacognitive awareness on working memory. <i>Frontiers in Psychology</i> (research topic on metacognition and WM).
2016	Samaha, J. , Sprague, T.C., & Postle, B.R. Decoding and reconstructing the focus of spatial attention from the topography of alpha-band oscillations. <i>The Journal of Cognitive Neuroscience</i>
2015	Samaha, J. , & Postle, B.R. The speed of alpha-band oscillations predicts the temporal resolution of visual perception. <i>Current Biology</i>
2015	Samaha, J. , Bauer, P., Cimaroli, S., & Postle, B.R. Top-down control of the phase of alpha-band oscillations as a mechanism for temporal prediction. <i>Proceedings of the National Academy of Sciences</i> .
2015	Samaha, J. How best to study the function of consciousness? <i>Frontiers in Psychology</i>

Talks

2017	Samaha, J. , Postle, B.R. Oscillatory dynamics supporting visual attention and awareness. Invited talk, Max Planck Institute, Leipzig, Germany
2017	Samaha, J. , Postle, B.R. Oscillatory contributions to perception and attention. CogForum lecture series UCLA.

- 2016 **Samaha, J.**, Sprague, T.C., Voytek, B., Gazzaley, A., & Postle, B.R. Preparatory encoding of the location and scope of human spatial attention. Society for Neuroscience nanosymposium. San Diego, CA
- 2016 **Samaha, J.**, Postle, B.R. Dissociating perceptual confidence from discrimination accuracy reveals no influence of metacognitive awareness on working memory. Association for the Scientific Study of Consciousness symposium. Buenos Aires, Argentina.
- 2016 **Samaha, J.**, Postle, B.R. The role of alpha-band oscillations in temporal prediction and perception. Symposium at the Cognitive Neuroscience Society meeting. Chair: **Samaha, J.** Co-Chair: Ali Mazaheri
- 2015 Bauer, P., **Samaha, J.**, Cimaroli, S., & Postle, B.R. Top-down control of the phase of alpha-band oscillations as a mechanism for temporal predictions. Cognitive Science Association for Interdisciplinary Learning. Hood River, Oregon.
- 2015 **Samaha, J.**, & Postle, B.R. Probing oscillatory networks for perception and attention with TMS-EEG. Neuronal Control & Interference Seminar, University of Wisconsin- Milwaukee.
- 2014 **Samaha, J.**, & Postle, B.R. The role of alpha oscillations in gating visual awareness and in the top-down control of temporal attention. Gazzaley Laboratory, UC San Francisco.
- 2013 Scott, R. B., **Samaha, J.**, Chrisley, R., & Dienes, Z. Unconscious cross-modal binding: A challenge for Global Workspace Theory? Consciousness and Metacognition symposium at the 18th meeting of the European Society for Cognitive Psychology, Budapest
- 2012 Scott, R. B., **Samaha, J.**, & Dienes, Z. Associative learning achieved without conscious perception. Symposium at the 1st seminar on implicit learning, Sopot, Poland

Conference Proceedings

1. **Samaha, J.**, LaRocque, J.J., Gosseries, O., Tononi, G., Postle, B.R. (2017) Dissociating neural activity related to subjective visibility and objective performance with simultaneous EEG/fMRI. Cognitive Neuroscience Society, San Francisco. *Graduate Student Poster Award*.
2. Gosseries, O., Nieminen, J, **Samaha, J.**, Boly, M., Massimini, M., Postle, B.R., Tononi, G. (2016) Transcranial magnetic stimulation in sleep consciousness Association for the Scientific Study of Consciousness Conference, Buenos Aires, Argentina
3. Lapate, R.C., **Samaha, J.**, Rokers, B., Austermuehle, A., Hamzah, H., Postle, B.R., Davidson, R.J. (2015). Dorsolateral prefrontal cortex, metacognitive awareness of emotional visual stimuli, and emotion regulation. Society for Neuroscience, Chicago.
4. **Samaha, J.**, Mariska, K., Cimaroli, S., & Postle, B.R. (2015). The speed of posterior alpha-band oscillations predicts the speed of visual perception. Society for Neuroscience, Chicago.
5. **Samaha, J.**, LaRocque, J.J., Gosseries, O., Tononi, G., & Postle, B.R. (2015). Pre- and Post-stimulus neural activity reflecting subjective visibility and objective performance measured with simultaneous EEG/fMRI. Association for the Scientific of Consciousness, Paris, France.
6. **Samaha, J.**, Bauer, P., Cimaroli, S., & Postle, B.R. (2015). Top-down control of alpha phase as a mechanism of temporal prediction. Cognitive Neuroscience Society, San Francisco, CA.
7. **Samaha, J.**, Gosseries, O., & Postle, B.R., (2014). Prestimulus phase, power, and connectivity patterns predict phosphene perception and cortical information flow. Society for Neuroscience, Washington, D.C.
8. Sheldon, A.D., **Samaha, J.**, Rose, N.S., Riggall, A.C., Huang, X., & Postle, B.R. (2014). rTMS/EEG of MT+ during STM for transparent motion. Society for Neuroscience, Washington, D.C.

9. LaRocque, J.J., **Samaha, J.**, Gosseries, O., Tononi, G., & Postle, B.R. (2014). Stimulus-evoked neural activity and intrinsic variations in visual awareness: An EEG/fMRI study. Association for the Scientific Study of Consciousness, Brisbane, Queensland, Australia.
10. **Samaha, J.**, Cimaroli, S., Bauer, P., & Postle B.R. (2014). The effect of temporal attention on neural oscillations, discrimination accuracy, and subjective visibility. Association for the Scientific Study of Consciousness, Brisbane, Queensland, Australia.
11. LaRocque, J.J., Riggall, A. C., Turner, R., Gosseries, O., **Samaha, J.**, Tononi, G., & Postle, B.R. (2014). Neural correlates of spontaneous fluctuations of visual awareness: A simultaneous EEG/fMRI study. Human Brain Mapping, Hamburg, Germany.
12. **Samaha, J.**, Gosseries, O., & Postle., B. R. (2014). Exploring the neural dynamics of occipital and parietal phosphenes with combined TMS-EEG. Cognitive Neuroscience Society annual conference, Boston, Massachusetts
13. **Samaha, J.**, Scott, R., & Dienes, Z. (2013). Associative learning does not depend on conscious perception. Northern California Consciousness Meeting, UC Davis, California
14. **Samaha, J.**, Lynn, M. T., Jantz, T. K., Morsella, E., & Geisler, M. W. (2013). Still searching for the phonological store: EEG correlates implicating motor and perceptual regions. Cognitive Neuroscience Society annual conference, San Francisco, California
15. Essoe, J. K, Rolle, C., **Samaha J.**, Bowen K., Anguera, J. A., & Gazzaley, A. (2013). Age-related differences in perceptual discrimination while multitasking under differing working memory loads. Cognitive Neuroscience Society annual conference, San Francisco, California
16. Gazzaley, A., Greenberg, Z. I., Gill, N., Porat, S., **Samaha, J.**, Kader, T., & Voytek B. (2013). Increased visual cortical noise decreases cued visual attention distribution. Cognitive Neuroscience Society annual conference, San Francisco, California
17. **Samaha, J.**, Morsella, E., & Geisler, M. W. (2012). Motor aspects of auditory imagery: Evidence for a Broca's area network. Annual convention of the Association for the Scientific Study of Consciousness, Brighton, United Kingdom
18. **Samaha, J.**, Morsella, E., & Geisler, M. W. (2012). The role of Brocas area and supramarginal gyrus in auditory imagery. Western Psychological Association conference, Burlingame, California
19. Greenberg, Z. I., **Samaha, J.**, Geisler, M. W., & Paap, K. R. (2012). Selective mechanisms linked to language control in the bilingual lexicon. Annual meeting of the Stanford Undergraduate Psychology Conference, Stanford, California.
20. Kolarik, B., Dennehy, T., **Samaha, J.**, Goodrich, R., Ben-Zeev, A., & Geisler, M. W. (2012). P300 amplitude as an index of memory distortions for skin tone. Cognitive Neuroscience Society annual conference, Chicago, Illinois.
21. Goodrich, R., **Samaha, J.**, Hedin, R., Guevarra, D., Niblett S., Ben-Zeev, A., & Geisler, M. W. (2012). Evidence for cross-gender effects on attentional and categorical processing of faces. Cognitive Neuroscience Society annual conference, Chicago, Illinois.

Professional Memberships

2011 – <i>present</i>	Association for the Scientific Study of Consciousness
2011 – <i>present</i>	Cognitive Neuroscience Society
2013 – <i>present</i>	Society for Neuroscience