

# Brian Odegaard

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## **Current Affiliations**

Assistant Professor, University of Florida Department of Psychology	2019 – Present
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## **Educational & Employment History**

Post-Doctoral Scholar, University of California-Los Angeles Consciousness & Metacognition Laboratory Principal Investigator: Hakwan Lau	2015 - 2019
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Cooperating Researcher, Advanced Telecommunications Research Institute International (ATR), Kyoto, Japan Department of Decoded Neurofeedback	2017 - 2019
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Ph.D., Psychology, University of California-Los Angeles Major: Behavioral Neuroscience / Minor: Computational Cognition	June, 2015
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M.A., Psychology, University of California-Los Angeles	January, 2011
B.A., Psychology, Calvin College	August, 2009
B.A., Music (Piano Performance), Calvin College	August, 2009

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## **Research Interests**

- Metacognition & perceptual decision-making
  - Multisensory integration, peripheral vision
  - Brain plasticity & sensory recalibration
  - Attention & consciousness
  - Computational (Bayesian) modeling, machine learning, artificial intelligence
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## **Grants**

### Funded

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| • Office of Naval Research – Young Investigator Program<br>“How attention and metacognitive biases influence perceptual decision-making in peripheral vision” (PI; \$509,425)   | 2022-2025 |
| • Air Force Office of Scientific Research<br>“Human-Machine Sensory Sharing for Swift Trust in Autonomy”<br>(Co-I with Dr. Eric Jing Du; \$599,322 total; ~\$54,200 for UF Lab)   | 2022-2025 |
| • Templeton World Charity Accelerating Consciousness Research Initiative:<br>“Replication and extension of crucial John Grimes experiment: Change detection during saccades” (Co-I; : \$200,576 total; \$81,051 for UF lab) | 2020-2023 |
| • Templeton World Charity Foundation<br>“Aligning Consciousness Research with US Funding Mechanisms”<br>(Co-I; \$234,000 total)   | 2020-2023 |

## Completed Funding

- University of Florida Artificial Intelligence Research Catalyst Fund 2020-2022  
“Combining Deep Neural Networks and Large-Scale Brain Data to Predict Human Cognition and Behavior”  
(Lead PI; Co-PIs Natalie Ebner, Karim Oweiss, Yunmei Chen; \$50,000 total)
- Air Force Office of Scientific Research (total direct cost = \$94,259) 2018-2019  
“Stochastic Resonance and Perceptual Decision Making Under Inattention”  
Authored grant extension application, funded through 2019 (PI: Hakwan Lau)
- Templeton Foundation Sub-Award (\$30,000) 2018-2019  
“The Functions of Consciousness: On the Initiation of Action”  
Co-Investigator with Jorge Morales, Brian Maniscalco & Megan Peters
- UCLA BRI Postdoctoral Grant Program (\$25,000) 2018-2019  
“Uncovering the Neural Code of Prefrontal Cortex in Schizophrenic Patients and Controls Using Deep Learning”

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## Book Chapters

Morales, J., **Odegaard, B.**, Maniscalco, B. (2022). The neural substrates of consciousness without performance confounds. in De Brigard, F. & Sinnott-Armstrong, W. *Neuroscience and Philosophy*. MIT Press: Cambridge, MA.

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## Published Manuscripts

Maynes, R., Faulkner, R., Callahan, G., Mims, C.E., Ranjan, S., Stalzer, J., **Odegaard, B.** (2023) Metacognitive Awareness in the Sound-Induced Flash Illusion. *Philosophical Transactions of the Royal Society B*

Kimmet, F., Pedersen, S., Cardenas, V., Rubiera, C., Johnson, G., Sans, A., Baldwin, M., **Odegaard, B.**, (2023) Metacognition and causal inference in audiovisual speech. *Multisensory Research*

Hawkins, B., Evans, D., Preston, A., Westmoreland, K., Lolo, K., Rosario, N., Mims, C.E., **Odegaard, B.** (2022) Color variability judgments in peripheral vision: Evidence against “cost-free” representations. *PLoS One*

Rahnev, R., (20+ authors) et al., Consensus Goals for the Field of Visual Metacognition (2022). *Perspectives on Psychological Science*

Maniscalco, B., **Odegaard, B.**, Grimaldi, P., Cho, S.H., Basso, M.A., Lau, H., Peters, M.A.K., (2021). Tuned inhibition in perceptual decision-making circuits can explain seemingly suboptimal confidence behavior. *PLOS Computational Biology*

Knotts, J.D., Michel, M., **Odegaard, B.** (2020) Defending Subjective Inflation: An inference to the best explanation. *Neuroscience of Consciousness*

Kellij, S., Fahrenfort, J., Lau, H., Peters, M.A.K., **Odegaard, B.** (2020). An investigation of how relative precision of target encoding influences metacognitive performance. *Attention, Perception, and Psychophysics*

**Odegaard, B.**, Beierholm, U., Carpenter, J., Shams, L. (2019). Prior expectation of objects in space is dependent on the direction of gaze. *Cognition*

- Knotts, J.D., **Odegaard, B.**, Lau, H., Rosenthal, D. (2019). Subjective inflation: phenomenology's get-rich-quick scheme. *Current Opinion in Psychology*
- Knotts, J.D., **Odegaard, B.**, Lau, H. (2018). Neuroscience: The Key to Consciousness May Not Be under the Streetlight. *Current Biology*, 28(13), R749–R752
- Odegaard, B.**, Chang, M.Y., Lau, H., Cheung, S.H. (2018). Inflation versus filling-in: why we think we see more of the periphery than we really do. *Philosophical Transactions of the Royal Society B*
- Li, M., Lau, H., **Odegaard, B.**, (2018). Liberal detection bias in the unattended periphery during simulated driving. *Attention, Perception, & Psychophysics*
- Odegaard, B.**, Grimaldi, P., Cho, S.H., Peters, M.A.K., Lau, H., Basso, M.A. (2018). Superior colliculus neuronal ensemble activity signals optimal rather than subjective confidence. *Proceedings of the National Academy of Sciences*, 115(7), E1588-E1597
- Rajananda, S. Lau, H. **Odegaard, B.** (2018). A random dot kinematogram for web-based vision research. *Journal of Open Research Software*, 6, 505.
- Odegaard, B.**, Knight, R., Lau, H. (2017). Should a few null findings falsify prefrontal theories of consciousness? *Journal of Neuroscience*, 37(40), 9593–9602
- Odegaard, B.**, Wozny, D.R., Shams, L. (2017). A simple and efficient method to enhance the tendency to bind the senses. *PeerJ*, e3143
- Odegaard, B.**, Shams, L. (2017). The relationship between audiovisual binding tendencies and prodromal features of schizophrenia in the general population. *Clinical Psychological Science*, 5(4), 733–741
- Maniscalco, B., McCurdy, L. Y., **Odegaard, B.**, & Lau, H. (2017). Limited cognitive resources explain a trade-off between perceptual and metacognitive vigilance. *Journal of Neuroscience*, 37(5), 1213–1224
- Giles, N., Lau, H., & **Odegaard, B.** (2016). What type of awareness does binocular rivalry assess? *Trends in Cognitive Sciences*, 20(10), 719–720
- Odegaard, B.**, Lau, H. (2016). Methodological considerations to strengthen studies of peripheral vision. *Trends in Cognitive Sciences*, 20(9), 642-643
- Odegaard, B.**, Shams, L., (2016). The brain's tendency to bind audiovisual stimuli is stable but not general. *Psychological Science*, 27(4), 583-591
- Odegaard, B.**, Wozny, D.R., Shams, L. (2016). The effects of selective and divided attention on sensory precision and integration. *Neuroscience Letters*, 614, 24–28
- Odegaard, B.**, Wozny, D.R., Shams, L. (2015). Biases in visual, auditory, and audiovisual perception of space. *PLoS Computational Biology*, 11(12), e1004649

Salomon, D., Martin-Harris, L., Mullen, B., **Odegaard, B.**, Zvinyatskovsky, A., Chandler, S.H., (2015). Brain literate: making neuroscience accessible to a wider audience of undergraduates. *Journal of Undergraduate Neuroscience Education*, 13(2), A64–A73

### **Submitted Manuscripts**

Gao, Y., Xue, K., **Odegaard, B.**, Rahnev, D., “Common computations in automatic cue combination and metacognitive confidence reports,” *bioRxiv*

Maniscalco, B., Graham, O., **Odegaard, B.**, Morales, J., Rajananda, S., & Peters, M.A.K. (Submitted) The metaperceptual function: Exploring dissociations between confidence and task performance with type 2 psychometric curves. *psyArXiv*

Orouji, S., Taschereau-Dumouchel V., Cortese, A., **Odegaard, B.**, Cushing, C., Cherkaoui M., Kawato, M., Lau, H., & Peters, M.A.K., “Task Relevant Autoencoding” enhances machine learning for human neuroscience.” *psyArXiv*

Ranjan, S., **Odegaard, B.**, “Reality monitoring and metacognitive judgments in a false memory paradigm” *Submitted to Neuroscience Research*

### **Conference Presentations**

**Odegaard, B.**, Lee, A., Lee, I., Faulkner, R., Sans, A., Ng, L., Haun, A., Chesney, D., Rosenthal, D., Fallon, F. (Talk) “None so blind: meaningful changes are more detectable across saccade-induced change blindness.” Association for the Scientific Study of Consciousness Annual Meeting, New York City, June 23, 2023.

**Odegaard, B.**, Lee, A., Sans, A., Lee, I., Ng, L., Haun, A., Chesney, D., Rosenthal, D., Fallon, F. (Poster) “The influence of semantics and scene congruence on visual change detection during saccades” Vision Sciences Society Annual Meeting, St. Petersburg, Florida, May 23, 2023

Pruitt, J., Caruso, T., **Odegaard, B.** (Poster) “Exploring perceptual sensitivity and response bias in the visual periphery.” Vision Sciences Society Annual Meeting, St. Petersburg, Florida, May 20, 2023

Ranjan, S., Baltes, J., Roh, A., **Odegaard, B.** (Poster) “Confidence in reality monitoring judgments” Vision Sciences Society Annual Meeting, St. Petersburg, Florida, May 24, 2023

**Odegaard, B.**, Lee, A., Lee, I., Sans, A., Ng, L., Haun, A., Chesney, D., Rosenthal, D., Fallon, F. (Talk) “Using Saccade-Induced Change Blindness to Refine Existing Theories of Conscious Perception.” Association for the Scientific Study of Consciousness Annual Meeting, Amsterdam, The Netherlands, July 13, 2022.

**Odegaard, B.**, Kimmet, F., Mims, C.E., Preston, A., Westmoreland, K., Lolo, K., Rosario, N., Pedersen, S., Cardenas, V., Rubiera, C., Johnson, G., Sans, A., Maynes, R. (Poster) “Metacognition Distinguishes Congruent and Illusory Multisensory Perceptions”, International Multisensory Research Forum, Ulm, Germany, July 6, 2022.

**Odegaard, B.** (Talk) “Color Diversity Judgments in Peripheral Vision: Evidence Against “Cost-Free” Representations” International Color Vision Society Meeting, Heraklion, Greece, July 4, 2022

**Odegaard, B.**, Moving the Prefrontal Debate Forward: Thoughts on Null Results & New Evidence (Talk, Virtual) Association for the Scientific Study of Consciousness Symposium, Tel Aviv, June 2021

- Odegaard, B.,** Lee, A., Sans, A., Lee, I., Ng, L., Haun, A., Chesney, D., Rosenthal, D., Fallon, F. (Poster) Detecting changes in visual scenes during saccades: replicating and extending John Grimes's experiments,  
 1.) Vision Sciences Society Annual Meeting, St. Petersburg, Florida, May 2022  
 2.) Virtual Vision Sciences Society Meeting, Online, June 2, 2022
- Odegaard, B.,** Using Web-Based Experiments to Support Transparent and Reproducible Research (Talk). Research Reproducibility 2020 Conference, Gainesville, Florida, December 2020
- Graham, O.C., Maniscalco, B., **Odegaard, B.,** Morales, J., Rajananda, S., Peters, M.A.K. “The metaperceptual function: Exploring dissociations between confidence and task performance with type 2 psychometric curves.” (Talk) “Neuromatch 3” Conference, October 26, 2020.
- Mims, C.E., **Odegaard, B.** Metacognitive Awareness in the Sound-Induced Flash Illusion  
*University of Florida PGSO Forum*, Gainesville, Florida, April 2020  
*Visual Sciences Society Annual Meeting*, Naples, Florida, May 2020 (Virtual Meeting)
- Westmoreland, K., Preston, A., Lolo, K., Rosario, N., Mims, C.E., **Odegaard, B.** Do we perceive color “cost-free” in peripheral vision? (Poster) An investigation of color phenomenality across the visual field. *University of Florida PGSO Forum*, Gainesville, Florida, April 2020  
*Visual Sciences Society Annual Meeting*, Naples, Florida, May 2020 (Virtual Meeting)
- Odegaard, B.,** Knotts, J.D., Lau, H., Subjective Inflation: Phenomenology’s Get-Rich-Quick Scheme (Poster). *Association for the Scientific Study of Consciousness*, London, Ontario, June 2019.  
**Poster award winner.**
- Odegaard, B.,** So, T.Y., Taschereau-Dumouchel, V., Kawato, M., Lau, H., Can perceptual content be read-out from prefrontal cortex? (Talk). *Association for the Scientific Study of Consciousness*, Krakow, Poland, June 2018.
- Rajananda, S., Peters, M.A.K., Lau, H., **Odegaard, B.** Visual psychophysics on the web: open-access tools, experiments, and results using online platforms (Poster). *Vision Sciences Society Annual Meeting*, St. Petersburg, Florida, May 2018.
- Odegaard, B.,** Li, M., Lau, H., Subjective inflation in the unattended periphery in a naturalistic Environment (Talk). *Vision Sciences Society Annual Meeting*, St. Petersburg, Florida, May 2018.
- Odegaard, B.,** Peters, M.A.K., Knotts, JD, Taschereau-Dumouchel, V., Kawato, M., Amano, K., Shibata, K., Lau, H. (Poster). Investigating the role of prefrontal cortex in conscious perception with decoded neurofeedback, *Real-Time Functional Neuroimaging and Feedback Conference*, Nara, Japan, November 2017.
- Peters, M.A.K., **Odegaard, B.,** Taschereau-Dumouchel, V., Knotts, JD, Lau, H., Amano, K., Kawato, M., & Shibata, K., (Poster). Improving functional connectivity to prefrontal cortex with decoded neurofeedback. *Real-Time Functional Neuroimaging and Feedback Conference*, Nara, Japan, November 2017.
- Odegaard, B.,** Grimaldi, P., Cho, S.H., Peters, M.A.K., Lau, H., Basso, M.A. (Talk). Investigating Perceptual Confidence in the Superior Colliculus with Multi-Unit Neuronal Recordings. *Vision Sciences Society Annual Meeting*, Naples, Florida, May 2017.

- Odegaard, B.,** Lau, H., (Talk). Summary Statistics in the Periphery: Insights from Signal Detection Theory and Confidence Ratings. *Vision Sciences Society Annual Meeting*, Naples, Florida, May 2017.
- Odegaard, B.,** Grimaldi, P., Cho, S.H., Peters, M.A.K., Lau, H., Basso, M.A. (Talk & Poster) Decoding Perceptual Confidence Signals in the Superior Colliculus. *Society for Neuroscience Meeting*, San Diego, California, November 2016.
- Odegaard, B.,** Lau, H., (Talk) Is conscious phenomenology of the unattended background real or inflated? *Association for the Scientific Study of Consciousness*, Buenos Aires, Argentina, June 2016.
- Odegaard, B.,** Lau, H., (Talk) Recent innovations in attention research: linking models, mechanisms, and behavior. *Computational and Systems Neuroscience (Cosyne) Workshop*, Salt Lake City, Utah, March 2016.
- Odegaard, B.,** Carpenter, J., Shams, L., (Poster) Frames of reference in multisensory spatial perception: how eye position influences spatial priors. *Computational and Systems Neuroscience (Cosyne) Workshop*, Salt Lake City, Utah, February 2016.
- Odegaard, B.,** Shams, L., (Talk) The Stability and Generalization of Multisensory Integration Across Time and Space. *International Multisensory Research Forum*, Pisa, Italy, June 2015.
- Odegaard, B.,** Wozny, D.R., Shams, L., (Poster) Exposure to discrepant auditory-visual stimuli increases the tendency to bind auditory-visual signals. *International Multisensory Research Forum*, Amsterdam, The Netherlands, June 2014.
- Odegaard, B.,** Wozny, D.R., Shams, L., (Poster) Visual, Auditory, and Auditory-Visual Spatial Biases. *International Multisensory Research Forum*, Amsterdam, June 2014.
- Odegaard, B.,** Wozny, D.R., Shams, L., (Poster) Visual and auditory biases in spatial perception and their interactions. *Society for Neuroscience Meeting*, San Diego, California, November 2013.
- Odegaard, B.,** Wozny, D.R., Shams, L., (Poster) The effects of selective and divided attention on sensory integration. *Vision Sciences Society Annual Meeting*, Naples, Florida, May 2012.

### **Conference Symposia**

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| Vision Sciences Society Symposium  | May 2017   |
| Organizer: "The role of ensemble statistics in the visual periphery"   |            |
| <i>St. Pete Beach, Florida</i>   |            |
| Computational and Systems Neuroscience (Cosyne) Conference Workshops   | March 2016 |
| Co-Organizer (with Hakwan Lau): "Recent Innovations in Attention Research: Linking Models, Mechanisms, and Behavior" |            |
| <i>Snowbird, Utah</i>  |            |

### **Conference Tutorials**

- Communicating Consciousness Science to funders and the general public June 2023
  - Association for the Scientific Study of Consciousness Annual Meeting: New York University

- Computational Models of Perception, Metacognition, and Consciousness: A Hands-On Tutorial (co-leader with Dr. Megan Peters)
  - Association for the Scientific Study of Consciousness Annual Meeting: Krakow, Poland (2018) & London, Ontario (2019)

June, 2018 &  
June, 2019

### **Teaching Experience**

#### **Instructor at the University of Florida**

##### **EXP3604 - Cognitive Psychology**

2020-2023

Overall Instructor Rating (Average): 4.94/5 (2023 - Spring)  
 Overall Course Rating (Average): 4.72/5 (2023 - Spring)  
 Overall Instructor Rating (Average): 4.87/5 (2022)  
 Overall Course Rating (Average): 4.61/5 (2022)  
 Overall Instructor Rating (Average): 4.83/5 (2021)  
 Overall Course Rating (Average): 4.63/5 (2021)  
 Overall Instructor Rating (Average): 4.89/5 (2020)  
 Overall Course Rating (Average): 4.69/5 (2020)

##### **EXP4174C – Laboratory in Sensory Processing**

Fall 2022

Overall Instructor Rating (Average): 4.93/5 (2022)  
 Overall Course Rating (Average): 4.71/5 (2022)

##### **PSB6087/PSB4934 – Behavioral and Cognitive Neuroscience I**

Fall 2022

PSB 6087- Overall Instructor Ratings (Average): 4.97/5 (2022)  
 PSB 6087 - Overall Course Ratings (Average): 4.83/5 (2022)  
 PSB 4934 - Overall Instructor Rating (Average): 5.00/5 (2022)  
 PSB 4934 - Overall Course Rating (Average): 4.84/5 (2022)

##### **PSY6930 – Seminars in Psychology – Effective Writing for Scientific Publications**

Spring 2021

Overall Instructor Rating (Average): 4.71/5  
 Overall Course Rating (Average): 4.34/5

#### **Instructor at Pepperdine University**

##### **Research Methods in Psychology**

Fall 2015

Rating from Instructor Questions: 4.3/5.0  
 Rating from Course Questions: 4.0/5.0

#### **Instructor at UCLA**

##### **Freshman General Education Cluster Seminar**

2014-2015

“Sex, Drugs and Rock and Roll – How Romance, Psychoactive Substances, and Music Change the Brain”  
 Overall Instructor Rating: 4.8/5.0 (2014), 4.8/5.0 (2015)  
 Overall Seminar Rating: 4.5/5.0 (2014), 4.8/5.0 (2015)

##### **Introductory Psychobiology**

Summer 2013

Overall Instructor Rating: 9.0/9.0  
 Overall Course Rating: 8.7/9.0

#### **Teaching Fellow at UCLA**

##### **GE Freshman Cluster: “Mind over Matter: The History, Science, and Philosophy of the Brain”**

2013-2015

Overall Student Rating (Average of 2 Sections):  
 2015 Winter Quarter: 9.0/9.0

2014 Fall Quarter: 8.9/9.0  
 2014 Winter Quarter: 8.8/9.0  
 2013 Fall Quarter: 8.7/9.0

### **Teaching Assistant at UCLA**

<b>Fundamentals of Behavioral Neuroscience</b> Overall Student Rating: 8.9/9.0 (Average of 4 Sections)	Spring 2013
<b>Introduction to Research Methods</b> Overall Student Rating: 8.7/9.0	Winter 2013
<b>Behavioral Neuroscience Laboratory Course</b> Overall Student Rating: 8.4/9.0 (Average of 2 Sections)	Fall 2012
<b>Behavioral Neuroscience Laboratory Course</b> Overall Student Rating: 8.8/9.0	Summer 2012
<b>Sensation &amp; Perception</b> Overall Student Rating: 8.8/9.0 (Average of 2 Sections)	Spring 2012
<b>Psychological Statistics</b> Overall Student Rating: 8.3/9.0	Winter 2012
<b>Behavioral Neuroscience Laboratory Course</b> Overall Student Rating: 8.3/9.0 (Average of 2 Sections)	Fall 2011
<b>Introduction to Research Methods</b> Overall Student Rating: 8.9/9.0	Winter 2011
<b>Fundamentals of Behavioral Neuroscience</b> Overall Student Rating: 8.7/9.0 (Average of 4 Sections)	Fall 2010

### **Invited Talks**

- ONR Prepared Warfighter Program Review Meeting June 2023
- “Combining Machine Learning and Large-Scale Brain Data to Predict Human Cognition and Behavior,” UF AI Research Catalyst Fund Awardees Virtual Seminar Series December 1, 2021
- “Moving the Prefrontal Debate Forward: Thoughts on Null Results & New Evidence,” Association for the Scientific Study of Consciousness Symposium June 15, 2021
- “Tech Bytes: A UFIT Teaching TechXploration event Post-pandemic teaching and Learning,” UFIT Center for Instructional Technology and Training May 12, 2021
- “Subjective Inflation in Peripheral Vision: How Behavioral and Metacognitive Biases Shape Experience of Visual Space,” CUNY Graduate Center Cognitive Science Speaker Series April 9, 2021
- “Combining Deep Neural Networks and Large-Scale Brain Data to Predict Human Cognition and Behavior,” UF AI HiPerGator Symposium March 2021
- UF uCoard Monthly Meeting November 2020
- “Meeting of the Minds” at Hong Kong University October 2019
- AFOSR Computational Cognition & Machine Intelligence Program Meeting May 2019
- Northern California Consciousness Conference March 2019
  - Keynote: “Convincing Evidence for a Role of Prefrontal Cortex in Consciousness”
  - 90-minute public debate with Dr. Melanie Boly
- LabRoots Neuroscience Virtual Event February 2018
  - “Investigating the locus of conscious sensory experience in the brain”
- UCLA Cognitive Forum Meeting January 2018
- Hong Kong Cognitive Science Meeting December 2017



- “Sensory Processing Outside Sensory Cortices”
- UCLA Neuroscience Afterlab Research Forum (NARF) March 2015
  - “Recalibrating the tendency to bind”

### **Guest Lectures**

- UC-Berkeley VS 298, “Science and Subjectivity,” November 2017
  - What is the role of prefrontal cortex in conscious perception?
- UCLA Psych 124D, “Consciousness: Current Debates,” November 2016
  - Decoding signals of perceptual confidence
- UCLA Psych 120B, “Sensation and Perception,” May 2015
  - The auditory system
- UCLA Psych 261, “Perception,” Somatosensation February 2014

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### **Scholarships, Awards, and Fellowships**

Scialog: Molecular Basis of Cognition (MBC) Fellowship Winner	2022-2024
Office of Naval Research Young Investigator Award	2022
Fellowship: Summer Seminars in Neuroscience & Philosophy at Duke University	2018
Society for Neuroscience Trainee Professional Development Award	2016
UCLA BRI/Semel Institute Postdoctoral Scholars Travel Award (Declined)	2016
Shepherd Ivory Franz Distinguished Teaching Award - UCLA Dept of Psychology	2015
UCLA “Grad Slam” Research Showcase Finalist	2015
Accepted to the UCLA Psychology Teaching Practicum Program	2013
UCLA Graduate Summer Research Mentorship Award	2011
National Science Foundation Graduate Research Fellowship Honorable Mention	2011-2012
UCLA Graduate Summer Research Mentorship Award	2010
National Science Foundation Graduate Research Fellowship Honorable Mention	2010-2011
UCLA Distinguished University Fellowship	2009-2010
3M National Merit Scholarship	2005-2009
Tozer Foundation Scholarship	2005-2009
Calvin College Trustee Scholarship	2005-2009
Johanna Kempers Wyngaarden Piano Scholarship	2005-2009

### **Additional Graduate-Level and Professional Training**

Data Skills for Neuroscientists Workshop	November 2016
<i>Society for Neuroscience Meeting, San Diego, California</i>	
CosMo – Summer School in Computational Sensory-Motor Neuroscience	August 2014
<i>University of Minnesota</i>	
Experiments and Models for Teaching Undergraduate Neuroscience – Curriculum Development Workshop	July 2014
<i>University of Missouri</i>	
Cognitive Neuroscience Workshop	December 2012
<i>Mathematical Biosciences Institute, Ohio State University</i>	
Probabilistic Models of Cognition Graduate Summer School	July 2011
<i>Institute for Pure and Applied Mathematics, UCLA</i>	

### **Journal Reviews**

Acta Psychologica  
 Attention, Perception & Psychophysics  
 Annals of the NY Academy of Sciences  
 Biological Cybernetics

British Journal of Psychology  
 Cell Reports  
 Cognition  
 Cortex  
 Consciousness and Cognition  
 Experimental Brain Research  
 Heliyon  
 Journal of Neurophysiology  
 Journal of Vision  
 Multisensory Research  
 Nature Communications  
 Nature Communications Biology  
 Neuroscience of Consciousness  
 Philosophical Transactions B  
 PLOS Computational Biology  
 PLOS One  
 Psychological Medicine  
 Psychonomic Bulletin & Review  
 Scientific Reports  
 The Journal of Neuroscience  
 Trends in Hearing  
 Vision Research

### **Professional Affiliations**

Vision Sciences Society  
 Association for the Scientific Study of Consciousness (Voting Member)  
 International Color Vision Society

### **Mentor for Undergraduate Research Assistants**

#### **University of Florida**

- Lindsey Zhaung, Peter Zeledon, Sophie Underwood, Will Labrit, 2023-2024  
 Josie Maw, Savannah Stadlander, Angus MacGregor, Delaney Johnson,  
 Molly Wagner, Alexandra Stefanovici, Nicholas Rodriguez Zingg,  
 Sophia Barba, Samuel Castillo, Abigail Stelmashenko, Maria Dobroskok,  
 Biaca Morsello, Raheemat Ibrahim
- Grace Callahan, Ryan Faulkner, Adyssa Roh, Esmeralda Hechavarria, 2022-2023  
 Jessica Baltes
- Randolph Maynes, Justine Stalzer, Faith Kimmet, Brylee Hawkins, William Groves, 2021-2022  
 Victoria Maskas, Grey Johnson
- Nathan Fisher, Alex Mason Green, Annalese Pfahler, Samantha Pedersen, 2020-2021  
 Camila Rubiera, Victoria Cardenas, Grey Johnson, Victoria Maskas, Laura Asensio
- Callie Mims, Nicholas Rosario, Kiara Lolo, Anya Preston, Kendra Westmoreland 2019-2020

#### **UCLA**

- Sivananda Rajananda 2017-2018
- Yasha Mouradi, Yechan Lew, Musen Li, Sanne Kellij, Cristian Giron, 2016-2017  
 Sivananda Rajananda
- Fangfang Hong, Bernardo Gonzalez 2015-2016
- Fred Foos, Danielle de Bruin, Tyler Toueg, Rahul Iyengar, Jason Carpenter, 2014-2015  
 Siliang Wang, Sy Clark, Andrew Marin
- Seong Hah Cho, Fabian Alvarez, Yoav Zimmerman, Jason Carpenter 2013-2014

- Michael Bani, Shannon Gordon, Eden Sayed, Jing Liu 2012-2013
- Travis Steinberg, Rob Eriksen, Yasamin Boulourian 2011-2012

### **Undergraduate Mentoring – Individual Student Projects**

- Ryan Faulkner**, UF Psychology Senior Honors Thesis 2022-2023  
Thesis: “Possibility of Misrepresentation in Saccadic Change Blindness”  
High Honors
- Faith Kimmet**, UF Psychology Senior Honors Thesis 2021-2022  
Thesis: “Metacognition and Causal Inference in Audiovisual Speech”  
High Honors
- Brylee Hawkins**, UF Psychology Senior Honors Thesis 2021-2022  
Thesis: “Color Diversity Judgments in Peripheral Vision: Evidence Against ‘Cost-Free Representations’”  
High Honors
- Fangfang Hong**, UCLA Psychology Senior Honors Student 2015-2016  
Project: “A link between audiovisual binding tendencies and psychotic symptoms”
- Siliang Wang**, UCLA Psychology Senior Honors Student 2014-2015  
Project: “The effects of sustained eye position on audiovisual localization”
- Jason Carpenter**, UCLA Psychology Senior Honors Student 2013-2014  
Project: “Frames of reference in audiovisual processing”  
Lay Article: Carpenter, J. (2014). Bayesian Causal Inference in Multisensory Perception. *The Undergraduate Research Journal of Psychology at UCLA*, 1, 13-15.
- Jing Liu**, Cross-Disciplinary Scholars in Science and Technology (CSST) Summer 2013  
Visiting student from Zhejiang University, China  
Project: “Correlations Between Cognitive Abnormalities and Sensory Integration”
- Eden Sayed**, UCLA Psychology Research Opportunity Program 2012-2013  
Project: “Perceptual Decision-Making Strategies and Sensory Noise”

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### **Undergraduate Mentoring – Conference Presentations**

- Faulkner, R., Lee, A., Lee, I., Sans, A., Ng, L., Haun, A., Chesney, D., Rosenthal, D., Fallon, F., **Odegaard, B.** (Poster) “Possibility of Misrepresentation in Saccadic Change Blindness”  
(1) UF Spring Undergraduate Research Symposium, Gainesville FL, April 2023  
(2) PGSO Research Forum, Gainesville, FL, April 2023
- Maskas, V., Fisher, N., Johnson, G., Sans, A., Kvam, P., **Odegaard, B.** (Poster) An exploration of relationships between cognitive and perceptual racial biases. UF Spring Undergraduate Research Symposium, Gainesville FL, April 2022
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