

Casey L. Roark, Ph.D.

Curriculum vitae, November 2023

University of New Hampshire
Department of Psychology, McConnell Hall
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Office: 440 McConnell Hall
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ACADEMIC APPOINTMENTS

- Aug 2023- **Assistant Professor**, Department of Psychology, University of New Hampshire
Affiliate Faculty, Interdisciplinary Program in Neuroscience and Behavior
Affiliate Faculty, Center for Acoustics Research and Education
- 2022-2023 **Postdoctoral Scholar**, Department of Communication Science and Disorders, University of Pittsburgh and Center for the Neural Basis of Cognition
- 2019-2022 **NIH-NRSA Postdoctoral Fellow**, Department of Communication Science and Disorders, University of Pittsburgh and Center for the Neural Basis of Cognition, Advisors: Bharath Chandrasekaran and Barbara Shinn-Cunningham

EDUCATION

- 2014-2019 **Ph.D. in Cognitive Neuroscience**, Carnegie Mellon University, Advisor: Lori L. Holt
- 2019-2014 **B.A. in Psychology, Sociology, English Literature**, University of Colorado Boulder
summa cum laude, with distinction

AWARDS AND HONORS

- 2022 Bishop Prize, Gorilla Experiment Builder, Honorable Mention
- 2020 Acoustical Society of America, elected member
- 2019 McClelland Prize for Outstanding Paper, Center for the Neural Basis of Cognition
- 2019 Graduate Student Teaching Award, Carnegie Mellon University
- 2019 Herb Simon Graduate Student Teaching Award, Carnegie Mellon University, Psychology
- 2019 Dick Hayes Graduate Student Service Award, Carnegie Mellon University, Psychology
- 2018-2019 Centennial Fund Fellowship, Carnegie Mellon University Psychology Department
- 2018 Graduate Student Assembly/Provost Conference Funds, Carnegie Mellon University
- 2018 Psychonomic Society Graduate Travel Award
- 2018 Best talk award, Center for the Neural Basis of Cognition annual retreat
- 2018 Early Career Policy Ambassador, Society for Neuroscience
- 2016 Early Career Researcher, Listening into 2030 Workshop
NSF Junior Investigator Travel Grant
- 2016 Graduate Student Assembly/Provost Conference Funds, Carnegie Mellon University
- 2014 Helen and Val Fischer award, University of Colorado Boulder
- 2013 Undergraduate Research Opportunity Program Grant, University of Colorado Boulder

2013 Phi Beta Kappa, University of Colorado Boulder chapter
2011-2013 Colorado Dean's Scholar
2010-2014 Dean's List at University of Colorado Boulder

PENDING GRANT SUPPORT

2024 *Global Racial and Social Inequality Lab, "Memory and Memorials" Spring Symposium*

ONGOING GRANT SUPPORT

2023-2027 *Individual variability in auditory learning characterized using multi-scale and multi-modal physiology and neuromodulation*
NSF DRL-2319491
Co-Principal Investigator, Pls: Matthew Leonard, Bharath Chandrasekaran, and Matthew McGinley. National Science Foundation. Total award: \$1,649,668. Subaward to UNH: \$134,848.

2022-2026 *Exploring perceptual category learning in developmental dyslexia*
BSF 2016867
Collaborator, PI: Yafit Gabay, University of Haifa. Binational Science Foundation, \$347,610.

PAST GRANT SUPPORT

2022 *Learning in a complex multisensory world through an interactive video game*
Center for Transformational Play, Carnegie Mellon University
Principal Investigator, video game development support

2021-2022 *Decision strategies in speech perception in aging*
Co-Investigator, Quantitative Methodologies Pilot Program, Clinical and Translational Science Institute, University of Pittsburgh, \$25,000

2021-2022 *Decision strategies during auditory and visual category learning*
XSEDE High-Performance Computing Cluster
Principal Investigator, Computational Time Allocation, est. value \$22,000

2020-2022 *Shared and specific mechanisms of auditory and visual category learning*
NIH-F32DC018979
Principal Investigator, NIH Ruth L. Kirschstein National Research Service Award, Individual Postdoctoral Fellowship (NRSA F32), National Institute on Deafness and Other Communication Disorders, \$129,480

2019-2021 XSEDE Start Up High-Performance Computing Cluster
Principal Investigator, Computational Time Allocation

2017-2019 *Predoctoral Training Program in Behavioral Brain Research*
NIH-T32GM081760
Pre-doctoral Scholar, Pls: Julie Fiez and Lori Holt, University of Pittsburgh and Carnegie Mellon University

2015-2017 *Training in Auditory and Vestibular Neuroscience*
NIH-T32DC011499
Pre-doctoral Scholar, Pls: Karl Kandler and Bill Yates, University of Pittsburgh

PUBLICATIONS

* equal authorship, • students and trainees

Peer-reviewed

Roark, C. L., Thakkar, V., Chandrasekaran, B. & Centanni, T. M. (in press). Auditory category learning in children with dyslexia. *Journal of Speech, Language, and Hearing Research*. ☞

Derawi, H., **Roark, C. L.**, & Gabay, Y. (2023). Procedural auditory category learning is selectively disrupted in Developmental Language Disorder. *Psychonomic Bulletin & Review*. *IF: 4.41*. ☞

Roark, C. L. & Chandrasekaran, B. (2023). Stable, flexible, common, and distinct behaviors supporting rule-based and information-integration category learning. *npj Science of Learning*, 8(14). *IF: 5.51* ☞

Roark, C. L., •Lescht, E., Hampton Wray, A., & Chandrasekaran, B. (2023). Auditory and visual category learning in children and adults. *Developmental Psychology*, 59(5), 963-975. *IF: 4.50*. ☞

Gabay, Y., **Roark, C. L.**, & Holt, L. L. (2023). Impaired and spared auditory category learning in developmental dyslexia. *Psychological Science*, 34(4), 468-480. *IF: 7.03*. ☞

Baese-Berk, M. M., Chandrasekaran, B. & **Roark, C. L.** (2022). The nature of non-native speech sound representations. *The Journal of the Acoustical Society of America*, 152(5), 3025-3034. Special Issue: Reconsidering Classic Ideas in Speech Communication. *IF: 2.48*. ☞

Roark, C. L. & Holt, L. L. (2022). Long-term priors constrain category learning in the context of short-term statistical regularities. *Psychonomic Bulletin & Review*, 29, 1925-1937. *IF: 4.41*. ☞

Roark, C. L., Plaut, D. C. & Holt, L. L. (2022). A neural network model of the effect of prior experience with regularities on subsequent category learning. *Cognition*. 222, 104997. *IF: 4.01*. ☞

Roark, C. L.*, Smayda, K. E.,* & Chandrasekaran, B. (2022). Auditory and visual category learning in musicians and non-musicians. *Journal of Experimental Psychology: General*, 151(3), 739-748. *IF: 5.50*. ☞

Roark, C. L., Lehet, M. I., Dick, F. & Holt, L. L. (2022). The representational glue for incidental category learning is alignment with task-relevant behavior. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 48(6), 769-784. *IF: 3.14*. ☞

•McHaney, J. R.*, Tessmer, R.*, **Roark, C. L.**, & Chandrasekaran, B. (2021). Working memory relates to individual differences in speech category learning: insights from computational modeling and pupillometry. *Brain & Language*, 222, 105010. *IF: 2.78*. ☞

Feng, G., Gan, Z., Yi, H. G., Ell, S., **Roark, C. L.**, Wang, S., Wong, P. C. M., & Chandrasekaran, B. (2021). Separate neural dynamics underlying the acquisition of different auditory category structures. *NeuroImage*, 244, 118565. *IF: 7.40*. ☞

Roark, C. L., Paulon, G., Sarkar, A., & Chandrasekaran, B. (2021). Comparing perceptual category learning across modalities in the same individuals. *Psychonomic Bulletin & Review*, 28 (3), 898-909. *IF: 4.41*. ☞

Roark, C. L. & Holt, L. L. (2019). Auditory information-integration category learning in young children and adults. *Journal of Experimental Child Psychology*, 188, 104673. *IF: 2.55*. ☞

Roark, C. L. & Holt, L. L. (2019). Perceptual dimensions influence auditory category learning. *Attention, Perception, & Psychophysics*, 81, 912-926. *IF: 2.16.* ☞

Roark, C. L. & Holt, L. L. (2018). Task and sampling distribution affect auditory category learning. *Attention, Perception, & Psychophysics*, 80 (7), 1804-1822. *IF: 2.16.* ☞

Carlile, S., Ciccarelli, G., Cockburn, J., Diedesch, A., Finnegan, M. K., Hafter, E., Henin, S., Kalluri, S., Kell, A. J. E., Ozmeral, E. J., **Roark, C. L.**, & Sagers, J. E. (2017). Listening into 2030 workshop: an experiment in envisioning the future of hearing and communication science. *Trends in Hearing*, 21, 1-11. *IF: 3.50.* ☞

Peer-reviewed conference proceedings papers

Roark, C. L., •Lescht, E., Hampton Wray, A., & Chandrasekaran, B. (2022). Auditory and visual category learning in children. In J. Culbertson, A. Perfors, H. Rabagliati, & V. Ramenzoni (Eds.), *Proceedings of the 44th Annual Conference of the Cognitive Science Society* (pp. 416-423). Austin, TX: Cognitive Science Society. ☞

Roark, C. L., Feng, G., & Chandrasekaran, B. (2022). Talker identification as a categorization problem. In J. Culbertson, A. Perfors, H. Rabagliati, & V. Ramenzoni (Eds.), *Proceedings of the 44th Annual Conference of the Cognitive Science Society* (pp. 1779-1786). Austin, TX: Cognitive Science Society. ☞

Roark, C. L. & Chandrasekaran, B. (2021). Individual variability in strategies and learning outcomes in auditory category learning. In T. Fitch, C. Lamm, H. Leder, & K. Tessmar (Eds.), *Proceedings of the 43rd Annual Conference of the Cognitive Science Society* (pp. 154-160). Austin, TX: Cognitive Science Society. ☞

Roark, C. L., Plaut, D. C., & Holt, L. L. (2020). A neural network model of the effect of prior experience with regularities on subsequent category learning. In S. Denison, M. Mack, Y. Xu, & B. C. Armstrong (Eds.), *Proceedings of the 42nd Annual Conference on the Cognitive Science Society* (pp. 1817-1823). Austin, TX: Cognitive Science Society. ☞

Holt, L. L., **Roark, C. L.**, Lehet, M. I., & Dick, F. (2018). Drivers of Incidental Category Learning. In T.T. Rogers, M. Rau, X. Zhu, & C.W. Kalish (Eds.), *Proceedings of the 40th Annual Conference of the Cognitive Science Society* (pp. 1800-1805), Austin, TX: Cognitive Science Society. ☞

Submitted

Roark, C. L., Paulon, G., Rebaudo, G., McHaney, J. R., Sarkar, A., & Chandrasekaran, B. (revision under review). Individual differences in working memory impact the trajectory of non-native speech category learning. ☞

Minda, J. P., **Roark, C. L.**, Kalra, P., & Cruz, A. (revision under review). Theories and systems of categorization and category learning. *Invited review for Nature Reviews Psychology*.

Roark, C. L. & Holt, L. L. (2019). Within-trial variability improves rule-based, not information-integration, category learning. ☞

In preparation

Roark, C. L. & Chandrasekaran, B. (in preparation). The interplay of reward and category structure during perceptual category learning.

Roark, C. L. & Chandrasekaran, B. (in preparation). Perceptual category learning in different sensory modalities.

Ben-Anat, Y., **Roark, C. L.***, & Gabay, Y.* (in preparation). Auditory and visual category learning impairments in young adults with ADHD.

Roark, C. L., Xiong, S., Feng, G., & Chandrasekaran, B. (in preparation). Talker identification as a categorization problem.

Roark, C. L.*, •Lescht, E.*, Chandrasekaran, B. & Hampton Wray, A. (in preparation). Auditory and visual category learning in children and adults who stutter.

•Mesquita, B., Herrmann, B., **Roark, C. L.**, Johnsrude, I. S. (in preparation). Perceptual benefits from long-term exposure to naturalistic sound patterns.

Chandrasekaran, B., **Roark, C. L.**, Zhen, L., Corbin, N., Sitek, K., Parker, A., Gnanateja, G. N., Cahalan, L., Brown, C., Hampton Wray, A., Parfitt, M., Wirt, T. (in preparation). Decision processes supporting talker identification learning in children with and without cochlear implants.

Mentored High School Student Publications

•Vishag, N. & **Roark, C. L.**, (2022). The influence of working memory on auditory category learning in the presence of visual stimuli. *Journal of Emerging Investigators*, 5 (1), 1-9. 📄

INVITED TALKS AND PRESENTATIONS

Invited and Extramural Talks

2023	University of Louisville, Department of Psychological and Brain Sciences, Louisville, KY
2023	Rochester Institute of Technology, Department of Psychology, Rochester, NY
2022	University of New Hampshire, Department of Psychology, Durham, NH
2022	Villanova University, Department of Psychological and Brain Sciences, Villanova, PA
2022	University at Buffalo, Center for Cognitive Science, Buffalo, NY
2022	University of New Hampshire, Department of Psychology, Virtual
2022	Princeton University, Department of Psychology, Parallel Distributed Processing Group, Virtual
2021	University of Pennsylvania, Department of Psychology, Changing Brain Lab, Virtual
2018	University of California Berkeley, Department of Psychology, Cognition and Action Lab, Berkeley, CA

Intramural Talks

2021	University of Pittsburgh, Department of Communication Science and Disorders, Research Round Table, Virtual
2021	University of Pittsburgh, Student Academy of Audiology, Virtual
2019	University of Pittsburgh, Department of Communication Science and Disorders, Pittsburgh, PA

- 2019 Center for the Neural Basis of Cognition, McClelland Prize for Outstanding Paper, Pittsburgh, PA
- 2018 Center for the Neural Basis of Cognition Retreat, Pittsburgh, PA **** Voted best talk and awarded travel funding ****
- 2018 Carnegie Mellon University, Department of Psychology, Perception, Action, and Learning Brown Bag, Pittsburgh, PA
- 2018 Carnegie Mellon University, Department of Psychology, Perception, Action, and Learning Brown Bag, Pittsburgh, PA – Workshop on Science Advocacy
- 2017 Carnegie Mellon University, Department of Psychology, Perception, Action, and Learning Brown Bag, Pittsburgh, PA
- 2017 University of Pittsburgh, Auditory and Vestibular Neuroscience Group, Pittsburgh, PA
- 2017 Center for the Neural Basis of Cognition, Brain Bag, Pittsburgh, PA
- 2017 University of Pittsburgh, Auditory and Vestibular Neuroscience Group, Pittsburgh, PA
- 2017 Center for the Neural Basis of Cognition, Data Blitz at Visiting Weekend, Pittsburgh, PA
- 2016 Carnegie Mellon University, Department of Psychology, Pittsburgh, PA
- 2016 University of Pittsburgh, Auditory and Vestibular Neuroscience Group, Pittsburgh, PA
- 2015 Carnegie Mellon University, Department of Psychology, Pittsburgh, PA

CONFERENCE PRESENTATIONS

Roark, C. L. & Chandrasekaran, B. (2023, November). Perceptual category learning across sensory modalities. Poster presented at the Annual Meeting for the Psychonomic Society, San Francisco, CA.

•Mesquita, B., Herrmann, B., **Roark, C. L.**, Johnsrude, I. S. (2023, February). Perceptual benefits from long-term exposure to naturalistic sound patterns. Talk presented at the Annual MidWinter Meeting of the Association for Research in Otolaryngology, Orlando, FL.

Roark, C. L. (2022, November). Learning in a complex multisensory world through an interactive video game. Talk presented at the BrainPlay Interdisciplinary Conference in Neuroscience and Game Design, Pittsburgh, PA.

Roark, C. L. & Chandrasekaran, B. (2022, November). Category learning with point-based feedback. Talk presented at the Annual Meeting for the Psychonomic Society, Boston, MA.

Cahalan, L., Gnanateja, G. N., Sitek, K., **Roark, C. L.**, Brown, C., Hampton Wray, A., Corbin, N., Parfitt, M., Wirt, T., Auld, R. G., & Chandrasekaran, B. (2022, November). Acoustic processing contributes to talker identification in children with hearing loss. Poster presented at the Annual Meeting for the American Speech-Language-Hearing Association, New Orleans, LA.

•McHaney, J. R., Zhen, L., **Roark, C. L.**, Parthasarathy, A., & Chandrasekaran, B. (2022, October). Sensory encoding and decision-making in speech perception in noise. Poster presented at the Annual Meeting for the Society for the Neurobiology of Language, Philadelphia, PA.

Roark, C. L., •Lescht, E., Hampton Wray, A., & Chandrasekaran, B. (2022, July). Auditory and visual category learning in children. Talk presented at the Annual Meeting for the Cognitive Science Society, Toronto, Canada.

Roark, C. L., Feng, G., & Chandrasekaran, B. (2022, July). Talker identification as a categorization problem. Poster presented at the Annual Meeting for the Cognitive Science Society, Toronto, Canada.

Roark, C. L. (2022, July). (Reaction) Timing is everything: Investigating learning and decision making in online research. Invited talk presented at the Behavioural Online (BeOnline) Conference, Virtual.

Video: <https://youtu.be/f4mOvpeyvNk>

•Lescht, E., **Roark, C. L.**, Devaraju, D. S., Chandrasekaran, B., & Hampton Wray, A. (2022, May). Auditory category learning in adults who stutter. Poster presented at the Joint World Congress on Stuttering and Cluttering, Montreal, QC, Canada.

Cahalan, L., Gnanateja, G. N., Sitek, K., **Roark, C. L.**, Brown, C., Hampton Wray, A., Corbin, N., Parfitt, M., Wirt, T., Auld, R. G., & Chandrasekaran, B. (2022, March). Acoustic processing contributes to talker identification in children with hearing loss. Poster presented at Doctor of Audiology Student Comprehensive Exam Day, University of Pittsburgh, Pittsburgh, PA.

Roark, C. L., Paulon, G., Sarkar, S., & Chandrasekaran, B. (2021, November). Decision processes during rule-based and information-integration category learning in the same individuals. Talk presented at the Annual Meeting for the Psychonomic Society, Virtual.

Roark, C. L. & Chandrasekaran, B. (2021, July). Individual variability in strategies and learning outcomes in auditory category learning. Talk presented at the Annual Meeting for the Cognitive Science Society, Virtual.

Video: <https://underline.io/lecture/26626-individual-variability-in-strategies-and-learning-outcomes-in-auditory-category-learning>

Roark, C. L., Chandrasekaran, B., & Feng, G. (2020, October). Decision strategies during Mandarin tone category learning relate to different networks of emerging representations. Poster presented at the Annual Meeting for the Society for the Neurobiology of Language, Virtual.

Roark, C. L., Plaut, D. C., & Holt, L. L. (2020, July). A neural network model of the effect of prior experience with regularities on subsequent category learning. Poster presented at the Annual Meeting for the Cognitive Science Society, Virtual.

Roark, C. L. & Chandrasekaran, B. (2020, July). Auditory, visual, and speech category learning in the same individuals. Poster presented at the Annual Meeting for the Cognitive Science Society, Virtual.

Roark, C. L., Reetzke, R., Llanos, F., McHaney, J. R., & Chandrasekaran, B. (2020, May). Learning Mandarin tone categories with natural speech and a non-speech homologue. Poster accepted for presentation at the Annual Meeting for the Acoustical Society of America, Chicago, IL. *Cancelled due to COVID-19*

Roark, C. L. & Holt, L. L. (2019, November). Exposure to short-term acoustic regularities has limited impact on representations and behavior. Poster presented at the Annual Meeting for the Psychonomic Society, Montreal, QC, Canada.

Roark, C. L., Lehet, M. I., Dick, F., & Holt, L. L. (2019, April). Factors Influencing Incidental Category Learning. Poster presented at the Innovation with Impact at Carnegie Mellon University, Pittsburgh, PA.

Roark, C. L., Lehet, M. I., Dick, F., & Holt, L. L. (2018, November). Factors Influencing Incidental Category Learning. Poster presented at the Annual Meeting for the Psychonomic Society, New Orleans, LA.

Roark, C. L. (2018, November). Science Advocacy & Communication in and beyond Pittsburgh. Poster presented at the Advocacy Reception at the Annual Meeting for the Society for Neuroscience, San Diego, CA.

Holt, L. L., **Roark, C. L.**, Lehet, M. I., & Dick, F. (2018, July). Drivers of Incidental Category Learning. Poster presented at the 40th Annual Conference for the Cognitive Science Society, Madison, WI.

Roark, C. L. & Holt, L. L. (2018, June). The Interaction of Perceptual Dimensions in Auditory Category Learning. Poster presented at the Carnegie Mellon University-University of Pittsburgh Neuro-Learning Workshop, Pittsburgh, PA.

Roark, C. L. & Holt, L. L. (2017, November). Reward History Associated with Acoustic Dimensions Impacts Auditory Category Learning. Poster presented at the Annual Meeting for the Psychonomic Society, Vancouver, BC, Canada.

Roark, C. L. & Holt, L. L. (2017, April). The Interaction of Perceptual Dimensions in Auditory Category Learning. Poster presented at the Innovation with Impact at Carnegie Mellon University, Pittsburgh, PA.

Roark, C. L. & Holt, L. L. (2016, November). The Interaction of Perceptual Dimensions in Auditory Category Learning. Poster presented at the Annual Meeting for the Psychonomic Society, Boston, MA.

Roark, C. L. & Holt, L. L. (2015, November). The Role of Perceptual Dimensions in Auditory Category Learning. Poster presented at the Annual Meeting for the Psychonomic Society, Chicago, IL.

Roark, C. L. & Holt, L. L. (2015, October). Effects of extended training on an incidental auditory category learning task. Poster presented at the Annual retreat for the Center for the Neural Basis of Cognition, Pittsburgh, PA.

Roark, C. L. & Holt, L. L. (2015, October). Effects of extended training on an incidental auditory category learning task. Poster presented at the Annual Meeting for the Society for the Neurobiology of Language, Chicago, IL.

Roark, C. L. & Holt, L. L. (2015, May). Rule-based and information-integration categorization during an incidental learning task. Poster presented at the Annual Meeting for the Acoustical Society of America, Pittsburgh, PA.

OPEN-SOURCE DATA, CODE, AND STIMULI

Roark, C. L., Thakkar, V., Chandrasekaran, B., & Centanni, T. M. (2023, June 6). Auditory category learning in children with dyslexia. <https://doi.org/10.17605/OSF.IO/BH62T>

Roark, C. L., & Gabay, Y. (2023, April 17). Procedural auditory category learning is selectively disrupted in Developmental Language Disorder. <https://doi.org/10.17605/OSF.IO/VA9P8>

Roark, C. L. & Chandrasekaran, B. (2023, May 11). Stable, flexible, common, and distinct factors supporting rule-based and information-integration category learning. <https://doi.org/10.17605/OSF.IO/TFB6A>

Roark, C. L., Lescht, E., Hampton Wray, A., & Chandrasekaran, B. (2022, July 14). Auditory and visual category learning in children and adults. <https://doi.org/10.17605/OSF.IO/BMK9V>

Gabay, Y., Roark, C. L., & Holt, L. L. (2022, July 14). Impaired and spared auditory category learning in developmental dyslexia. <https://doi.org/10.17605/OSF.IO/8QC24>

Roark, C. L. (2022, April 26). Individual differences in working memory differentially impact the trajectory of non-native speech category learning. <https://doi.org/10.17605/OSF.IO/WDPYU>

Roark, C. L. (2022, March 28). The Influence of Working Memory on Auditory Category Learning in the Presence of Visual Stimuli. <https://doi.org/10.17605/OSF.IO/PNCXU>

Roark, C. L. (2020, October 5). Auditory and visual category learning in musicians and non-musicians. <https://doi.org/10.17605/OSF.IO/CP932>

Roark, C. L. (2020, August 25). Comparing perceptual category learning across modalities in the same individuals. <https://doi.org/10.17605/OSF.IO/MSNO2>

Roark, C. L., Lehet, M., Dick, F., & Holt, L. L. (2020, October 28). The representational glue for incidental category learning is alignment with task-relevant behavior. <https://doi.org/10.17605/OSF.IO/9DKJG>

Roark, C. L. & Holt, L. L. (2020, October 8). Statistical learning does not overrule perceptual priors during category learning. <https://doi.org/10.17605/OSF.IO/QYG7Z>

Roark, C. L., Plaut, D. C. & Holt, L. L. (2020, October 8). A neural network model of the effect of prior experience with regularities on subsequent category learning. <https://doi.org/10.17605/OSF.IO/W64NU>

TEACHING EXPERIENCE

Courses taught

2023 Fall	Psychology of Language (UNH)	Undergraduate (18)
2022 Spring	Independent Study in Computational Modeling (Pitt)	Graduate (1)
2021 Fall	Independent Study in Computational Modeling (Pitt)	Graduate (1)
2018 Fall	Research Methods in Cognitive Psychology (CMU)	Undergraduate (18)

Teaching assistantships

2018	Social Psychology (CMU, Prof. Vicky Helgeson)	Undergraduate (80)
2016	Research Methods in Cognitive Psychology (CMU, Prof. Laurie Heller)	Undergraduate (20)
2015	Cognitive Psychology (CMU, Prof. Charles Kemp)	Undergraduate (200)
2011	Deviance in US Society (CU Boulder, Prof. Patricia Adler)	Undergraduate (250)

Other experience

2014-2019	Future Faculty Program, Eberly Center for Teaching Excellence, Carnegie Mellon University
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MENTORING EXPERIENCE

Dissertation Committee Member

Est. 2024	Erica Lescht, University of Pittsburgh
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PhD students (informal mentoring)

Est. 2026 Maggie Zink, University of Pittsburgh
Ph.D. 2023 Jacie McHaney, University of Pittsburgh

Undergraduate research assistants (University of New Hampshire)

2023- Darrin Beasley 2023- Marissa Montagna
2023- Lyra Joson 2023- Virginia Schwarz
2023- Meredith Meats

Undergraduate research assistants (University of Pittsburgh)

2022-2023 Miaofang Hu 2021-2022 Angelina DiNardo
2022-2023 Jasmine Cardino 2021-2022 Rebecca Kime
2022-2023 Megan Hallihan 2019-2020 Santhosh Donepudi
2021-2023 Shaina Wasileski 2019-2020 Inca Malik
2021-2023 Katie Bergstrom 2019-2020 Laura Fahs
2021-2023 Sarah Anthony 2019-2020 Olivia Gall
2021-2022 Madison Adreano 2019-2020 Danielle Wu
2021-2022 Olivia Flemm 2019-2020 Megan McKenzie

Undergraduate and Post-Baccalaureate research assistants (Carnegie Mellon University)

2017-2019 Erin Smith, B.A. 2017-2018 Joseph Rohrbagh
2018-2019 Kevin Bergen 2015-2016 Alan Sales Barbosa
2018-2019 Krishna Rao 2015 Montaya Dawkins, B.A.
2018-2019 Delaney Tyson 2014-2015 Hayoung Woo
2017-2020 Chisom Obasih, B.A. 2014-2017 Theodore Teichman
2017-2018 Matthew Fuhrman 2014-2017 Megan Bartoshuk

High school students

Shady Side Academy, Pittsburgh, PA 2021-2022 Karen Linares Mendoza
2022 Cassidy Mineo
2022 Zoey Miller Liberal Arts and Sciences Academy, Austin, TX
2022 Savi Thompson 2021-2022 Nisha Vishag

SERVICE

2023 Member of the Undergraduate Program Committee, University of New Hampshire
2023 Member of the Graduate Admissions Committee, University of New Hampshire Psychology
2023 Member of the Graduate and Postdoctoral Career Development Award (\$5,000) Review Committee, Center for the Neural Basis of Cognition
2021 Member of the Audrey Holland Endowed Student Research Award Review Committee, University of Pittsburgh
2021 Chair, Concepts and Categories session, Annual Meeting of the Psychonomic Society
2019-2020 Postdoctoral Co-Chair for Collaborative Cluster external speaker series, Pittsburgh Cognitive Auditory Neuroscience group
2018 Member of the Ryan Teaching Award Committee, Carnegie Mellon University

- 2018 Early Career Policy Ambassador, Society for Neuroscience
- 2018-2019 Organizer of CMU Psychology Perception, Action, and Learning discussion group
- 2017-2018 Member of Professional Development Committee in Carnegie Mellon University Psychology, coordinating with University of Pittsburgh Psychology
- 2017 Co-creator of the Professional Development Committee in CMU Psychology Department
- 2016-2017 Graduate Student Representative, Dietrich College of Humanities and Social Sciences Council
- 2015-2017 Organizer of multi-lab category learning reading group
- 2015-2017 Organizer of CMU Psychology Perception, Action, and Learning discussion group
- 2015-2019 Graduate Cohort Representative
- 2015-2019 Graduate Mentor
- 2015-2016 Graduate Student Representative at CMU Psychology Faculty Meetings

Ad hoc reviewer:

- Auditory Perception & Cognition
- British Journal of Developmental Psychology
- Cognition
- Cognitive Science
- Computational Brain & Behavior
- Conference Proceedings of the Cognitive Science Society
- Current Biology
- Journal of Experimental Psychology: Learning, Memory, and Cognition
- Journal of Speech Language and Hearing Research
- Journal of the Acoustical Society of America
- Memory & Cognition
- Neuropsychologia
- Psychological Research
- Psychonomic Bulletin & Review
- Scientific Reports

Ad hoc grant reviewer:

- National Science Foundation (Linguistics)
- National Science Foundation (Science of Learning and Augmented Intelligence)

DIVERSITY & INCLUSION

- 2022 Hosted two undergraduate students at University of Pittsburgh through the Innovative Mentoring and Professional Advancement through Cultural Training (IMPACT) program at Case Western Reserve University in collaboration with Hampton University, a historically Black university
- 2022 Member on panel for Writing Diversity, Equity, and Inclusion Statements, Communication Science & Disorders, University of Pittsburgh
- 2021-2022 Coordinator, High School Summer Research Program, University of Pittsburgh
- 2021-present Mentor for Cognitive Science Society Mentorship Program

- 2021 Hosted virtual lab tour at University of Pittsburgh for Innovative Mentoring and Professional Advancement through Cultural Training (IMPACT) program at Case Western Reserve University in collaboration with Hampton University
- 2018-2019 "GrAdvocate" confidential intermediary between graduate students and faculty/administration, Carnegie Mellon University Psychology Department
- 2016-2019 Co-creator and co-organizer of Carnegie Mellon University Psychology Civic Engagement and Community Outreach group
- 2016-2019 Co-organizer of Psychology workshops given to community organizations and schools in Pittsburgh, PA

REFERENCES

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