

Jennifer M. Roche, PhD
Cognitive Psychologist
Curriculum Vitae
2022

CONTACT INFORMATION

Position:

Associate Professor
Speech Pathology & Audiology
Educational Psychology
School of Health Sciences
School of Lifespan Development & Learning Sciences
College of Education, Health, and Human Services

Email & Web Address:

Email: jroche3@kent.edu
Personal Website: www.jennyroche.com
Lab: [Miscommunication and Dialogue Interaction Lab](#)

EXPERIENCE

- 2021 Adjunct Associate Professor, Audiology, Northeast Ohio AuD Consortium
2020- Associate Professor, Educational Psychology, Kent State University
2020- Associate Professor, Speech Pathology & Audiology, Kent State University
2014-20 Assistant Professor, Speech Pathology & Audiology, Kent State University
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EDUCATION

- 2011-13 Center for Language Sciences Postdoctoral Fellow, BCS, University of Rochester (concentration: Psycholinguistics)
2011 Ph.D., Experimental Psychology, University of Memphis (concentration: Cognitive Psychology/ Science)
2007 M.A., Experimental Psychology, James Madison University (concentration: Perceptual Psychology)
2004 B.A., Psychology, University of Nevada, Las Vegas
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PEER REVIEWED PUBLICATIONS

H-Index = 8; Citations = 271

Peer-reviewed Manuscripts

Journal

1. Roche, J. M., Hatten, Q., & Murray, G. (2021). Perception of multi-cue indexical speech leads to amplified stereotyping. *Auditory Perception & Cognition*, 4(5), 1-13.

2. Murray, G., Willer, C. J., Arner, T., Roche, J. M., & Morris, B. J. (2021). Contextualized knowledge reduced misconceived health decisions about COVID-19. *Journal of Applied Research in Memory & Cognition*.
3. McLean, M.[°], Roche, J. M.[°], Audet, L., Stribling, D., & Kaufman, R. (2021). Explicit and implicit cognitive processes associated with microaggression endorsement. *Perspectives of the ASHA Special Interest Groups: Cultural and Linguistic Diversity*.
4. Paxton, A., **Roche, J. M.**, Ibarra, A., & Tanenhaus, M. K. (2021). Predictions of miscommunication in verbal communication during collaborative joint action. *Journal of Speech, Language, and Hearing Research*. 64(2), 613-627.
5. **Roche, J. M.**, Arnold, H. S., & Ferguson, A. (2020). Social judgments of digitally manipulated stuttered speech: Cognitive heuristics drive implicit and explicit bias. *Journal of Speech, Language, and Hearing Research*. 63(10), 3443-3452.
6. Morett, L. **Roche, J. M.**, Fraundorf, S., & McPartland, J. (2020). Contrast is in the eye of the beholder: Infelicitous beat gesture increase cognitive load during online spoken discourse comprehension. *Cognitive Science*. 44(10), e12912.
7. **Roche, J. M.**, Zgonnikov, A., & Morrett, L. (2020). Cognitive processing of miscommunication in interactive listening: An evaluation of listener indecision and cognitive effort. *Journal of Speech, Language, and Hearing Research*. 64(1), 159-175.
8. Ferguson, A. M.[°], **Roche, J. M.**[°], & Arnold, H. S. (2019). Social judgements of digitally manipulated stuttered speech: An evaluation of self-disclosure on cognition. *Journal of Speech, Language, and Hearing Research*. (student co-first author)
9. **Roche, J. M.**[°], Morgan, S. D.[°], Fissel, S. N., & Bryndel, K. (2019). Acoustic correlates of female confidence: A production and comprehension study. *Journal of the Acoustical Society of America*, 145(6), 3410-3426. (student co-authors)
10. **Roche, J. M.** & Arnold, H. (2018). The effect of emotion suppression on language production and planning. *Journal of Speech, Language, and Hearing Research*, 1-8. doi:10.1044/2018_JSLHR-L-17-0232
11. **Roche, J. M.**, Peters, B. J., & Dale, R. (2015). “Your tone says it all”: The processing and interpretation of affective language. *Speech Communication*, 66, 47-64.
12. **Roche, J. M.**, Dale, R., & Caucci, G. (2011) Doubling up on double meaning: Pragmatic alignment. *Language and Cognitive Processes*, 27(1), 1-24.
13. Dale, R., Duran, N.D., & **Roche, J. M.** (2011). The porous cognition-action interface, language processing, and pluralism. In R.K. Mishra & N. Srinivasan (Eds.). *Language-Cognition Interface: State of the Art*. LINCOM Europa.
14. Dale, R., **Roche, J. M.**, & Duran, N. (2008). Language is complex. *International Journal of Psychology and Psychological Therapy*, 8(3), 351-362.
15. Dale, R., **Roche, J. M.**, Snyder, K., & McCall, R. (2008). Exploring action dynamics as an index of paired associate learning. *Plos One*, 3(3), e1728, 1-10.

Peer-Reviewed Published Proceedings

16. Murray, G., Arner, T., Roche, J. M., & Morris, B. (2020). Using neuromyths to explore cognition: A mouse-tracking paradigm. *Proceedings of the 42nd Annual Conference of the Cognitive Science Society* (pp. 1335-1341). Austin, TX: Cognitive Science Society. (student first author)
17. Morett, L. M., **Roche, J. M.**, Fraundorf, S. H., & McPartland, J. (2018). Pupillometry and multimodal processing of beat gesture and pitch accent: The eye's hole is greater than the sum of its parts. *In S. Gelman, M. Botvinick, & M. Kearns (Eds). Proceedings of the 40th Annual Conference of the Cognitive Science Society* (pp. 2125-2130). Austin, TX: Cognitive Science Society.
18. Abraham, A. N., Eskanzai, M. A., **Roche, J. M.**, & Folk, J. R. (2018). Parafoveal-on-foveal effects in high-skill spellers: Disambiguating previews influence ambiguous word recognition. *In S. Gelman, M. Botvinick, & M. Kearns (Eds). Proceedings of the 40th Annual Conference of the Cognitive Science Society* (pp. 1276-1281). Austin, TX: Cognitive Science Society. (student first author)
19. Reynolds, K., Casarotto, B., Noviski, S. & **Roche, J. M.** (2017). Using punctuation as a marker of sincerity and affective convergence during texting. *In G. Gunzelmann, A. Howes, T. Tenbrink, & E. J. Davelaar (Eds), Proceedings of the 39th Annual Conference of the Cognitive Science Society* (pp. 2986-2991). Austin, TX: Cognitive Science Society. (student first author)
20. Craycraft, N.[°], Kriegel, Z.[°], Tanenhaus, M. K., & **Roche, J. M.** (2016). Tit-for-tat: Effects of feedback and speaker reliability on listener comprehension effort. *In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), Proceedings of the 35th Annual Conference of the Cognitive Science Society.* Austin, TX: Cognitive Science Society. (student first author)
21. Paxton, A.[°], **Roche, J. M.**[°], & Tanenhaus, M. K. (2015). Communicative efficiency and miscommunication: The costs and benefits of variable language production. *In R. Dale, C. Jennings, P. Maglio, T. Matlock, D. Noelle, A. Warlaumont, & J. Yoshimi (Eds.), Proceedings of the 37th Annual Meeting of the Cognitive Science Society.* Austin, TX: Cognitive Science Society.
22. Paxton, A., **Roche, J. M.**, Ibarra, A., & Tanenhaus, M. K. (2014). Failure to (mis)communicate: Linguistic convergence, lexical choice, and communicative success in dyadic problem solving. *In P. M. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), Proceedings of the 36th Annual Meeting of the Cognitive Science Society.* Austin, TX: Cognitive Science Society.
23. **Roche, J. M.**, Paxton, A., Ibarra, A. & Tanenhaus, M. (2013). From minor mishap to major catastrophe: Lexical choice in miscommunication. *In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), Proceedings of the 35th Annual Conference of the Cognitive Science Society.* Austin, TX: Cognitive Science Society.
24. Hall, M.D., Beauchamp, J.W., Horner, A.B., & **Roche, J. M.** (2010). Importance of spectral detail in musical instrument timbre. *Proceedings of the 11th annual meeting of the International Conference of Music Perception and Cognition.* Seattle, WA.
25. **Roche, J. M.**, Dale, R., & Kreuz, R. (2010). The resolution of ambiguity during conversation: More than mere mimicry? *In S. Ohlsson, & R. Catrambone (Eds.), Proceedings of the 32nd Annual Conference of the Cognitive Science Society.* Austin, TX: Cognitive Science Society.
26. **Roche, J. M.**, Dale, R., & Caucci, G. (2009). Pragmatic alignment: The coordination of ironic statements in pseudo-interaction. *In N. A. Taatgen, & H. van Rijn (Eds.), Proceedings of the 31st Annual Conference of the Cognitive Science Society.* Austin, TX: Cognitive Science Society.

Not Peer Reviewed

Book Chapter

27. **Roche, J. M.** & Fissel, S. N. (2020). Blinking and looking: An eye-tracking approach to studying cognitive processing differences in individuals with speech, language, and communication disorders. In Hatzapoulos, S., Ciorba, A., & Krumm, M. (Eds). *Advances in Audiology, Speech Pathology, and Hearing Science*. Wareton, NJ: Apple Academic Press.(student co-author)

Manuscripts Under Review

28. Morris, B. J., Todaro, R., Arner, T., **Roche, J. M.** (under review). How does the accuracy of children's number representations influence the accuracy of their numerical predictions. Under review at *Frontiers*.
29. **Roche, J. M.**, Morgan, S. D., & Fisk, S. (under review). Pre-existing gender stereotypes drive perceptual differences of vocal confidence. Under review at the *Journal of the Acoustical Society of America*. Current Status: Minor Revision, under review
30. Murray, G.^o, **Roche, J. M.**^o, Sasser, J. T., & Morris, B. J. (under review). Dispelling COVID-19 vaccine myths is difficult - but not as difficult for nursing students. Under review at *Nursing Education*. (student first author)

Manuscripts Being Revised

31. Murray, G., **Roche, J. M.**, Willer, C. & Morris, B. (rejected). Misinformation masks accurate information: How prior knowledge affects making accurate COVID-19 mask decisions. Submitted to *Journal of Experimental Psychology - Applied*. Current Status: Rejected as of January 2022, currently under revision (student first author)

PUBLISHED MEDIA

1. **Roche, J. M.** (2018, July). Conveying “tone of voice” through text message. *The Psychology of Language Video Series*. Retrieved from <https://www.csuohio.edu/sciences/language-research-lab/psychology-language-video-series#Roche>.
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RESEARCH GRANTS

EXTERNAL GRANTS

In Progress Grant Proposals

- 2022 National Science Foundation - Science of Learning and Augmented Intelligence, Title: Evaluating the Impact of Linguistic and Prosodic Message Variables on the Endorsement of Truth of Health Misconceptions (in progress, to be submitted July 2022)

Submitted - Not Funded

- 2021¹ National Institute of Health - NICHD, R03, Title: Evaluating child health misconceptions, cognition, and decision making using a computer mouse-tracking paradigm (under review; requested amount \$100,000)

^o indicates shared first authorship

- 2020² National Science Foundation - Perception, Action, & Cognition, Title: Impact of speaker identity and status on listener effort and decision making; Role: Principal Investigator
- 2019³ National Science Foundation - Perception, Action, & Cognition, Title: Socio-pragmatic effects of speaker ambiguity on listener comprehension effort and decision making; Role: Principal Investigator
- 2019⁴ National Science Foundation - Perception, Action, & Cognition, Title: Socio-pragmatic effects of speaker ambiguity on listener comprehension effort and decision making; Role: Principal Investigator
- 2018⁵ National Science Foundation - Perception, Action, & Cognition, Title: Socio-pragmatic effects of speaker ambiguity on listener comprehension effort and decision making; Role: Principal Investigator
- 2018⁶ National Science Foundation - REU, Title: The Technology of Communication Sciences Research; Role: contributor (PIs - Lisa Audet & Ruth Washington)
- 2018⁷ National Institute of Child Health and Human Development, Title: Using Cognitive Models to Identify the Mechanisms Underlying Prediction Generation; Role: Co-Principal Investigator (with Dr. Bradley Morris)
- 2017⁸ National Science Foundation - Perception, Action, & Cognition, Title: Tit-for-Tat: The socio-pragmatic effects of speaker ambiguity on listener comprehension effort; Role: Principal Investigator
- 2017⁹ National Science Foundation - REU, Title: The Technology of Communication Sciences Research; Role: contributor (PIs - Lisa Audet & Ruth Washington)
- 2016¹⁰ ASHA - Grant Program for Projects on Multicultural Activities, Title: Exploring careers in speech language pathology & audiology: Changing the face of the profession; Role: Co-Investigator, with Lisa Audet (PI), Amy Vaughn and Mark Krumm (Co-Is; not awarded)

INTERNAL GRANTS

Funded

- 2020¹ Kent State University, University Research Council, Under 500 (\$499)
- 2016² Kent State University, EHHS, EHHS SEED Grant (\$5,000)
- 2016³ Kent State University, University Research Council, Under 500 (\$499)
- 2015⁴ Kent State University, University Research Council, Under 500 (\$499)

Submitted - Not Funded

- 2017⁵ Kent State University, University Research Council, Research/Scholarly Activity Support
- 2016⁶ Kent State University, University Research Council, Research/Scholarly Activity Support
- 2015⁷ Kent State University, Research and Sponsored Programs, Intramural Summer Research & Creative Activity
- 2014⁸ Kent State University, Research and Sponsored Programs, Intramural Summer Research & Creative Activity

SELECT CONFERENCE & INVITED PRESENTATIONS

CONFERENCES

International

1. Haines, Z. & Roche, J. M. (2021, July). Humorous judgments of incongruity in short internet videos. Poster presentation (virtual) at the 43rd Annual Meeting of the Cognitive Science Society. Vienna, Austria.
2. Wu, M. Yen, K., & **Roche, J. M.** (2017, November). Acoustic differences in native/non-native affective speech production for Chinese learners of English. Poster presentation at the annual Auditory Perception, Cognition, and Action meeting. Vancouver, CA. (student first author)
3. Vaughn, A. L.^o & **Roche, J. M.**^o (2016, October). Time to care in the clinical education triad. Oral presentation to the 9th meeting of Congress Self-Learning. Angers, France.

National

1. Rickert, E., Salvo, H., Arnold, H. S., & Roche, J. M. (November, 2021). Explicit versus implicit attitudes of the public towards people who stutter. Poster presentation at the annual ASHA Convention. Washington, DC.
2. Vaughn, A. L., Tepper, A., & **Roche, J. M.** (November, 2021). Evidence-based clinical education: Benefits of the MSCLE Model. Poster presentation at the annual ASHA Convention. Washington, DC.
3. Murray, G., Roche, J. M., Al Maraghi, S., & Morris, B. (November, 2021). Double trouble?: Inclusion of multiple hedging cues increase the endorsement of scientific falsehoods. Poster presentation at the Auditory Perception, Cognition, and Action Meeting. Virtual Conference
4. Al Zou'bi, H., Roche, J. M., Mussoi, B. S., & Harel, A. (2021). The impact of noisy visual environments on the perception of speech-in-noise. Oral presentation at the Auditory Perception, Cognition, and Action Meeting. Virtual Conference
5. **Roche, J. M.**, Williamson, M., & Fisk, S. (November, 2021). Misinterpreting intentionality: Socio-indexical acoustic cues to gender and confidence. Oral presentation at the Auditory Perception, Cognition, and Action Meeting. Virtual Conference
6. Hatten, Q. & **Roche, J. M.** (November, 2020). Accent differences between people who stutter: An evaluation of implicit and explicit bias. Poster presentation at the Auditory Perception, Cognition, and Action Meeting. Virtual Conference (student first author)
7. Murray, G., **Roche, J. M.**, Morrett, L., & Morris, B. (2020, November). Computer-mouse tracking during an auditory social judgment task: A remote solution to collecting data during COVID-19. Poster presentation at the Annual Auditory, Perception, Cognition, and Action Meeting. Virtual Conference (student first author).
8. Stribling, D., Audet, L., & **Roche, J. M.** (2019, April). Interactive communication: Extension to persons with Autism Spectrum Disorder. Oral presentation at the National Black Association for Speech-Language and Hearing. Atlanta, GA. (student first author)
9. Ferguson, A., Arnold, H. S., & **Roche, J. M.** (2018, November). Social perceptions of digitally manipulated stuttered speech: An evaluation of self-disclosure on cognition and explicit bias. Oral

presentation at the annual Auditory, Perception, Cognition, and Action Meeting. New Orleans, LA. (student first author)

10. Ferguson, A., Arnold, H. S., & **Roche, J. M.** (2018, November). Social cognition & perception of speech disfluencies: A computer-mouse paradigm. Poster presentation at the annual meeting of the ASHA convention. Boston, MA. (student first author)
11. Michalek, A. M. P.^o & **Roche, J. M.**^o (2017, November). Pupil dilation as a measure of attention in ADHD: A pilot study. Poster presentation at the annual meeting of the ASHA convention. Los Angeles, CA.
12. Woolpert, D., Fissel, S., & **Roche, J. M.** (2017, November). A tale of two models: Comparing reading comprehension in monolinguals, dual-language learner biliterates and monoliterates. Invited oral presentation to the annual meeting of the ASHA convention. Los Angeles, CA.
13. Fissel, S. N.^o & **Roche, J. M.**^o (2016, November). Did you blink? The cost of shifting to social stimuli. Invited oral presentation to the annual meeting of the ASHA convention & OSLHA. Philadelphia, PA & Columbus, OH. (student first author)
14. **Roche, J.** & Fissel, S. N. (2015, November). Knowledge and acoustics interact to facilitate the perception of vocal confidence. Poster presented at the 14th Annual Meeting of the Auditory Perception, Cognition, and Action Meeting, Chicago, IL.
15. Paxton, A.^o, **Roche, J. M.**^o, & Tanenhaus, M. K. (2015, July). Communicative efficiency and miscommunication: The costs and benefits of variable language production. Poster presented at the 37th Annual Meeting of the Cognitive Science Society, Pasadena, CA.
16. Duchi, K., Kristoff, A., Fissel, S., & **Roche, J.** (2015, July). Acoustic correlates of speaker confidence: Can they tell I don't know? Poster presented at the 37th Annual Meeting of the Cognitive Science Society, Pasadena, CA. (student first author)

Prior to KSU

INVITED PRESENTATIONS

International

1. **Roche, J. M.** (2019, April). Cognitive and action dynamics associated with explicit and implicit social judgements about stuttered speech: A computer mouse tracking paradigm. Invited oral presentation at the 1st annual Health Sciences Symposium. Universidade Presbyteriana Mackenzie. Sao Paulo, Brazil.
2. **Roche, J., M.**, Paxton, A, Ibarra, A., & Tanenhaus, M. K. (2014, May). (Mis)Communication, Ambiguous Lexical Choices, and Perspective Taking in Dyadic Tasks. Oral presentation presented at the 3rd annual Miscommunication workshop, Queen Mary, University of London, London: UK.

National

3. **Roche, J. M.** (2018, November). The effect of ambiguous language on listener comprehension effort and decision making processes: An eye and mouse-tracking paradigm. Invited oral presentation to the department of Educational Psychology at the University of Alabama. Tuscaloosa, AL.

4. **Roche, J. M.** (2018, October). Affective convergence of intonational punctuation during text-based and computer mediated communication. Invited oral presentation to the department of Psychology at Pacific Lutheran University. Tacoma, WA.
5. **Roche, J. M.** (2017, January). The role of miscommunication & reciprocity in discourse. Invited oral presentation to the Psychological Sciences Program at James Madison University, Harrisonburg, VA.
6. **Roche, J. M.** (2017, April). Reciprocity & cooperation: The effect of ambiguous language on listener comprehension effort. Invited oral presentation to the Speech-Language Pathology department at Midwestern University - Glendale, AZ.
7. **Roche, J. M.** (2017, April). Introduction to R and R Studio - A tutorial. Invited oral presentation to the College of Health Sciences at Midwestern University - Glendale, AZ.
8. **Roche, J. M.** (2016, April). Your tone says it all: The processing and interpretation of intent. Invited oral presentation to the Linguistics Pro-Seminar at Pennsylvania State University. State College, PA.

Regional

9. **Roche, J. M.** (2019, April). Contagious use of punctuation in a pseudo-text messaging context. Invited oral presentation at the Midwestern Psychological Association. Chicago, IL.
10. **Roche, J. M.** (2017, November). Is intonation in conversation contagious? Invited oral presentation to the Department of Psychology at Cleveland State University, Cleveland, OH.

TEACHING

COURSES

Lecture Based Courses (9)

1. SPA 34210 (Speech & Language Development)
2. SPA 44111 (Neural Processes)
3. SPA 44112 (Age Related Changes in Communication)
4. SPA 64600 (Research Methods)
5. SPA 70703 (Speech Acoustics/Speech Perception)
6. EPSY 65523 (Life Span Development)
7. EPSY 65524 (Learning Theories)
8. EPSY 69095 (Introduction to R)

Individual Investigations/Research Courses (since 2018)

1. Research (SPA 84098; EPSY 89098) (3)
2. HONR 3/40096 (4)
3. SPA 44096 - Independent Study (12)

STUDENT THESIS/DISSERTATION

DOCTORAL DISSERTATIONS - 1 (Co-Director), 5 (Committee Member), 3 (Graduate Representative)

MASTER'S THESIS - 4 (Director), 2 (Co-Director)

UNDERGRADUATE THESIS - 1 (Director), 3 (Committee Member)

° indicates shared first authorship

SERVICE

CURRENT COMMITTEES

UNIVERSITY

2018- Commencement Committee (inactive since COVID)

SCHOOL & COLLEGE

2021- EPSY Graduate Coordinator
2021- College Advisory Committee
2020- CIIE Faculty Advisory Board
2019- Faculty Advisory Committee (Health Sciences)
2018- EHHS Communications Committee
2018- EHHS Research Advisory Council Member (Chair since 2019)
2014- School of Health Sciences Curriculum Committee
2018- Alumni Scholarship Committee

PROGRAM

2016 SPA Faculty Search Committee
2016 Undergraduate Curriculum Committee
2014-16 Diversity Recruitment Committee Member
2014- PhD Recruitment Committee
2014- SPA Research Brown Bag Organizer (suspended since COVID)

STUDENT SERVICE

2021- Graduate Student Advising (EPSY program)
2018- McNair Scholar Mentor
2016-21 S.U.R.E Fellowship Mentor (years 2016 & 2021)
2015 Undergraduate/Graduate Student Research Symposium Judge
2014- Undergraduate Advising (SPA)
2016-21 Graduate Student Advising (SPA Masters program)

PROFESSIONAL

2016 National Science Foundation - Panel Reviewer
2022 National Science Foundation - Grant Reviewer
2022 Social Sciences and Humanities Research Council of Canada - Grant Reviewer
2014-18 Reviewer for 14 Journals: Language & Social Interaction, Plos One, Frontiers in Psychology, Cognitive Science Society, Behavior Research Methods, Cognitive Science, Language and

Cognition, Communication Disorders Quarterly, Discourse Processes, The Modern Language Journal, Cognition, Autism Research, Journal of Communication Disorders, Psychology of Language and Communication

AWARDS

TEACHING

2016 Faculty Recognition Award; University Teaching Council