

Jennifer M. Roche, Cognitive Psychologist, PhD
Curriculum Vitae
(Appointment Start: Fall 2014)
2018

CONTACT INFORMATION

Position:

Assistant Professor
Speech Pathology & Audiology
School of Health 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

- 2018 KSU Graduate Faculty Status - F4-D
2014- Assistant Professor, Kent State University
2008- [170 Citations](#), h-index = 6
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EDUCATION

- 2011-13 CLS Postdoctoral Fellow, Brain & Cognitive Sciences, University of Rochester
2011 Ph.D., Cognitive Psychology, University of Memphis
2007 M.A., Cognitive Psychology, James Madison University
2004 B.A., Psychology, University of Nevada, Las Vegas
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PUBLISHED MANUSCRIPTS

KSU - During Pre-Tenure Period

Peer-reviewed Manuscripts

1. 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.
2. 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)
3. **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 (**impact factor: 1.906**)

4. 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)
5. Craycraft, N.^o, Kriegel, Z.^o, 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)
6. Paxton, A.^o, **Roche, J. M.**^o, & 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.
7. **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. **(impact factor: 1.585)**

Book Chapter

8. **Roche, J. M.** & Fissel, S. N. (*accepted*, 2018). [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)

Prior to KSU

Peer-reviewed Manuscripts

9. 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.
10. **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.
11. **Roche, J. M.**, Dale, R., & Caucci, G. (2011) [Doubling up on double meaning: Pragmatic alignment.](#) *Language and Cognitive Processes*, 27(1), 1-24.
12. 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.
13. 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.
14. **Roche, J. M.**, Dale, R., & Kreuz, R. (2010). [The avoidance of ambiguity during conversation: More than mere priming or mimicry?](#) In S. Ohlsson, & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society.* Austin, TX: Cognitive Science Society.

15. 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.
16. Dale, R., Roche, J. M., & Duran, N. (2008). [Language is complex](#). *International Journal of Psychology and Psychological Therapy*, 8(3), 351-362.
17. 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.

IN PROGRESS MANUSCRIPTS

UNDER REVIEW

1. Roche, J. M., Zgonnikov, A., & Ferguson, A. (*under review*). [Tit-for-tat: The effect of ambiguous language on listener comprehension, indecision, and effort](#). (Cognitive Processing, impact factor: 1.15)
2. Roche, J. M. & Dale, R. (*under review*). [L1 and L2 English speaker's affective convergence and intonational punctuation in computer-mediated communication](#). (Bilingualism: Language and Cognition, impact factor: 1.907)

UNDER REVISION (various stages of revision for resubmission)

3. Fissel, S. N., Roche, J. M., & Jones-Huyck (*nearing submission*). An eye-blinking paradigm to index attentional demand: A proof of principle study. (student paper first author; first authorship shared by Fissel and Roche)
4. Roche, J. M., Fissel, S. N., & Bryndel, K. (*nearing submission*). Fake it til you make it: Female speakers adapt vocal confidence under social pressure, and listeners sometimes believe them. (student co-authors)
5. Roche, J. M.^o, Paxton, A.^o, Ibarra, A., & Tanenhaus, M. K. (*nearing submission*). Communication breakdown prompts readjustment of informativeness.
6. Evans, N. & Roche, J. M. (*nearing submission*). Emotional impact of patient-provider communication on patient appraisals of prenatal care experience among pregnant African American women.
7. Suh, C. & Roche, J. M. (*in progress*). Effect of speaker accent and miscommunication on listener comprehension effort. (student first author)
8. Vale, L. M., Cioffi, G. & Roche, J. M. (*in progress*). Emotional convergence in a pseudo and natural text messaging context. (student first author)
9. Morris, B. J., Roche, J. M., Aldosari, B., & Masnick, A. M. (*in progress*). Identifying the mechanisms underlying prediction generation by comparing cognitive models of eye fixation patterns.
10. Wu, P., Yen, K. & Roche, J. M. (*in progress*). Impact of affective speech production on physiological arousal as a function of affective valence and language proficiency in Chinese ESL learners.
11. Paxton, A, Roche, J. M., & Tanenhaus, M. K. (*in progress*). Two to Tangle: Conceptualizing Miscommunication as a Dyadic Process.

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

Under Review

- 2018 [National Science Foundation - Perception, Action, & Cognition, Title: Socio-pragmatic effects of speaker ambiguity on listener comprehension effort and decision making; Role: Principal Investigator \(under review; requested amount \\$868,691\)](#)
- 2018 [National Science Foundation - REU, Title: The Technology of Communication Sciences Research; Role: contributor \(PIs - Lisa Audet & Ruth Washington; not funded\)](#)

Submitted - Not Funded

- 2018 [National Institute of Child Health and Human Development, Title: Using Cognitive Models to Identify the Mechanisms Underlying Prediction Generation; Role: Co-Principal Investigator \(with Dr. Bradley Morris\) - \(not funded; requested amount: \\$138,000\)](#)
- 2017 [National Science Foundation - Perception, Action, & Cognition, Title: Tit-for-Tat: The socio-pragmatic effects of speaker ambiguity on listener comprehension effort; Role: Principal Investigator \(not funded; invited to resubmit\)](#)
- 2017 [National Science Foundation - REU, Title: The Technology of Communication Sciences Research; Role: contributor \(PIs - Lisa Audet & Ruth Washington; not funded\)](#)
- 2016 [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

- 2017 [Kent State University, University Research Council, Travel Award \(\\$750\)](#)
- 2016 [Kent State University, EHHS, EHHS SEED Grant \(\\$5,000\)](#)
- 2016 [Kent State University, University Research Council, Travel Award \(\\$750\)](#)
- 2016 [Kent State University, University Research Council, Under 500 \(\\$499\)](#)
- 2015 [Kent State University, University Research Council, Under 500 \(\\$499\)](#)

Submitted - Not Funded

- 2017 [Kent State University, University Research Council, Research/Scholarly Activity Support](#)
- 2016 [Kent State University, University Research Council, Research/Scholarly Activity Support](#)

- 2015 [Kent State University, Research and Sponsored Programs, Intramural Summer Research & Creative Activity](#)
- 2014 [Kent State University, Research and Sponsored Programs, Intramural Summer Research & Creative Activity](#)
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CONFERENCE & INVITED PRESENTATIONS

CONFERENCE PRESENTATIONS

International

1. 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)
2. Vaughn, A. L.[°] & **Roche, J. M.**[°] (2016, October). Time to care in the clinical education triad. Oral presentation to the 9th meeting of Congress Self-Learning. Angers, France.

National

1. Michalek, A. M. P.[°] & **Roche, J. M.**[°] (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.
2. 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.
3. Fissel, S. N.[°] & **Roche, J. M.**[°] (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)
4. **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.
5. Paxton, A.[°], **Roche, J. M.**[°], & 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.
6. 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)

Regional

1. Vale, L. M., Cioffi, G., & **Roche, J. M.** (2018, February). Emotional convergence in a naturalistic text messaging context. Poster presented at the EHHS Research Gallery. (student first author)
2. **Roche, J. M.**, Zgonnikov, A., Ferguson, A. (2018, February). Effect of communication errors on listener comprehension, indecision, and effort. Oral presentation at the EHHS Research Gallery.

3. Kriegel, Z., Craycraft, N. & **Roche, J. M.** (2016, March). Tit for tat: Effects of feedback and speaker reliability on comprehension effort. Poster presented at the 3rd Annual Meeting of the Kent State University, Undergraduate Research Symposium. Kent, OH. (student first author)
4. Duchi, K., Kristoff, A., Fissel, S., & **Roche, J. M.** (2015, April). Acoustic correlates of speaker confidence: Can they tell I don't know? Poster presented at the 30th Annual Meeting of the Graduate Student Research Symposium, Kent State University, Kent, OH. (student first author)

INVITED PRESENTATIONS

National

1. **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.
2. **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.
3. **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.
4. **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

1. **Roche, J. M.** (2017, November). Is intonation in conversation contagious? Invited oral presentation to the Department of Psychology at Cleveland State University, Cleveland, OH.

KSU

1. **Roche, J. M.** (2018, February). The contagious effect of intonational punctuation during text messaging. Invited oral presentation to the Cognitive Psychology Department, Kent, OH
2. **Roche, J. M.**[°] & Sidney, P.[°] (2017, April). Introduction to R and R Studio: Linear Mixed Effects Models - Part II. Invited oral presentation to the Educational Psychology Laboratory. Kent, OH.
3. **Roche, J. M.**[°] & Hammrick, P.[°] (2016, November). Introduction to R and R Studio: Linear Mixed Effects Models - Part I. Invited oral presentation to the Educational Psychology Laboratory. Kent, OH.
4. **Roche, J., M.** (2014, September). "Wait, what?" Cognitive mechanisms of (Mis) communication. Oral presentation at the Cognitive Psychology Fall Semester Brownbag Meeting. Kent State University, Kent, OH.
5. **Roche, J., M.** (2014, September). Tit for tat: The effect of speaker reliability on discourse processing. Oral presentation at the Speech Pathology and Audiology Fall Semester Brownbag Meeting. Kent State University, Kent, OH.

TEACHING

COURSES

Lecture Based Courses (4)

[°] indicates shared first authorship

SPA 64600 (Research Methods); SPA 64500 (Normal Language Processes); SPA 44111 (Neural Processes); SPA 34210 (Speech & Language Development)

Undergraduate Honors Thesis (3): Director (1); Committee Member (2)

Undergraduate Honors Independent Study (7)

Undergraduate Individual Study (3)

Graduate Individual Study (1)

STUDENT THESIS/DISSERTATION

DOCTORAL DISSERTATIONS

Co-director

Anna Martin (2017) Title: Impact of Instructor Qualities in Higher Education Online Course

Committee Member

Amy Vaughn (*expected defense*, Fall 2018), Title: Time Well Spent: The National Survey on Time Usage in Clinical Education

Schea Fissel (2018), Title: Group Adapted Shared Reading: An Emergent Literacy Intervention For Children with ASD

Mike Eskanazi (2016), Title: Word Skipping and Parafoveal Semantic Activation During Reading

Graduate Representative

Wu, Mengjiao (2018), Title: Retrieval-based metacognitive monitoring in self-regulated learning.

MASTER'S THESIS

Director

Ashley Ferguson, (*expected defense*, Fall 2018) Title: Social Perceptions of Speech Disfluencies

Abigayle Horton (*expected defense*, Fall 2019), Title: Social Perceptions of Speech Disfluencies (**Director**)

Co-Director

Christine Suh, (2018), Title: Cultural Miscommunication in L1 Versus L2: How Do Listeners Respond?

UNDERGRADUATE HONORS THESIS

Director

Thimberley Morgan, (*expected defense*, Spring 2019) Title: Cultural Miscommunication in L1 Versus L2: How Do Listeners Respond?

Committee Member

Marie Childers, (*expected defense*, Spring 2019) Title: Emotion regulation strategies in school-aged children

Marielle Snyder, (2018), Title: How contexts helps readers disambiguate words.

SERVICE

UNIVERSITY

- 2018 McNair Scholar Mentor (Desiree Stribling)
- 2017-18 McNair Mix & Mingle
- 2016 S.U.R.E Fellowship Mentor (Thimberley Morgan)
- 2015 Graduate Student Research Symposium Judge
- 2015-16 Undergraduate Student Research Symposium Judge
- 2015-16 KSU Senior Preview (volunteer)
- 2015-16 KSU Open House (volunteer)
- 2014-16 Commencement — Faculty Attendance (3 times)

SCHOOL & COLLEGE

- 2016 EHHS Student Awards Ceremony SPA Runner
- 2016 New Faculty Orientation Panel Member: Starting up a research lab
- 2015 EHHS Student Awards Ceremony SPA Presenter (with Dr. Anna Schmidt)
- 2014-17 School of Health Sciences Curriculum Committee (SPA representative)

PROGRAM

- 2017 Inter-professional Preparation Committee
- 2017 Alumni Scholarship Committee
- 2016 SPA Faculty Search Committee
- 2016 Undergraduate Curriculum Committee (Ad hoc research committee)
- 2014-16 Diversity Recruitment Committee Member
- 2014-16 Doctoral Student Recruitment Committee Member
- 2014-16 Invited speaker to the NSSLHA meeting (Fall 2014 & 2015, Topic: Graduate School)
- 2014-17 SPA brownbag co-organizer: Monthly meetings with graduate students and faculty to discuss the current state of active research within the department.

ADVISING

- 2017 Freshman Advising
- 2016- Graduate Student Advising (SPA Masters program)
- 2014-16 Undergraduate Sophomore Advising

PROFESSIONAL

- 2016 National Science Foundation - Panel Reviewer, (10 grants - 6 Primary, 5 Scribe) - Perception, Action, Cognition Program Panel
- 2016 Book Chapter (reviewer)

2009-18 Reviewer for 11 Journals (43 articles): 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

AWARDS

TEACHING

Faculty Recognition Award; University Teaching Council (2016)