

CHAD S. ROGERS | CURRICULUM VITAE

Department of Psychology
Union College
Butterfield Hall Room 306
807 Union Street
Schenectady, NY, 12308-3256
Email: rogersc@union.edu
Phone (office): (518) 388-7040

EDUCATION

- 2010** **Ph.D. in Psychology**
Washington University (St. Louis, MO)
Division of Brain, Behavior, and Cognition
Division of Aging and Development
Advisor: Larry L. Jacoby, Ph.D.
Dissertation title: “Reducing false hearing in the elderly: variability training in meta-audition.”
- 2008** **M.A. in Psychology**
Washington University (St. Louis, MO)
- 2004** **B.S. in Psychology**
The University of Florida (Gainesville, FL)
- 2004** **B.A. in Linguistics**
The University of Florida (Gainesville, FL)

PUBLICATIONS * indicates mentee author.

- **Rogers, C.S.** (in prep). False Hearing and Flexible Listening: Age-Related Shifts in Bases for Hearing.
- Mallard, M., **Rogers, C.S.**, Jones, M.S., McConkey, S., Spehar, B., Sommers, M.S., Van Engen, K.J., & Peelle, J.E. (in prep). fMRI reveals age-related changes to cortical areas supporting lexical processing during effortful listening.
- *Noud, B., *Alberts, K., Peelle, J.E., & **Rogers, C.S.** (in prep). Effects of age and hearing on auditory lexical decision as a window to successful spoken word recognition.
- **Rogers, C. S.**, Jones, M. S., McConkey, S., McLaughlin, D. J., & Peelle, J. E. (under review). Real-time feedback reduces participant motion during task-based fMRI. Pre-print available at <https://www.biorxiv.org/content/10.1101/2023.01.12.523791v2>
- Lee, Y. S., **Rogers, C. S.**, Grossman, M., Wingfield, A., & Peelle, J. E. (2022). Hemispheric dissociations in regions supporting auditory sentence comprehension in older adults. *Aging Brain*, 2, 100051.
- **Rogers, C. S.**, & Peelle, J. E. (2022). Interactions between audition and cognition in hearing loss and aging. In *Speech Perception* (pp. 227-252). Cham: Springer International Publishing.

- **Rogers, C.S.**, Jones, M.S., McConkey, S., Spehar, B., Van Engen, K.J., Sommers, M.S., Peelle, J.E. (2020). Age-related differences in auditory cortex activity during spoken word recognition. *Neurobiology of Language 1*, 452–473.
- Peelle J.E., Miller R.L., **Rogers, C.S.**, Sommers, M.S., Van Engen, K.J. (2020). Completion norms for 3085 English sentence contexts. *Behavior Research Methods*, 52, 1795–1799.
- **Rogers, C.S.**, Payne, L., *Maharjan, S., Sekuler, R., Wingfield, A. (2018). Older adults show impaired modulation of attentional alpha oscillations: Evidence from dichotic listening. *Psychology and Aging*, 33(2), 246-258.
- *Koeritzer M., **Rogers, C.S.**, Van Engen, K., & Peelle, J.E. (2018). The impact of age, background noise, semantic ambiguity, and hearing loss on recognition memory for spoken sentences. *Journal of Speech, Language, and Hearing Research*, 61(3), 740-751.
- **Rogers, C.S.** (2017). Semantic priming, not repetition priming, is to blame for false hearing in older adults. *Psychonomic Bulletin & Review*, 24(4), 1194-1204.
- Payne, L., **Rogers, C. S.**, Wingfield, A., & Sekuler, R. (2017). A right-ear bias of auditory selective attention is evident in alpha oscillations. *Psychophysiology*, 54(4), 528-535
- *Ward, C.M., **Rogers, C.S.**, Van Engen, K.J., Peelle, J.E. (2016) Effects of age, acoustic challenge, and verbal working memory on recall of narrative speech. *Experimental Aging Research*, 42, 126–144.
- **Rogers, C.S.**, & Wingfield, A. (2015). Stimulus-independent semantic bias misdirects word recognition in older adults. *Journal of the Acoustical Society of America*, 138(1), EL26-EL30.
- Sommers, M.S., *Morton, J., **Rogers, C.S.** (2014). You're not listening to what I said: False hearing in young and older adults (pp. 269-284). In D.S. Lindsay (Ed.), *Remembering: Attributions, Processes, and Control in Human Memory*. New York, NY: Psychology Press,
- *Lash, A., **Rogers, C.S.**, Zoller, A., & Wingfield, A. (2013). Expectation and entropy in spoken word recognition: effects of age and hearing acuity. *Experimental Aging Research*. 39(3), 235-253.
- **Rogers, C.S.**, Jacoby, L.L., & Sommers, M.S. (2012). Frequent false hearing in older adults: the role of age differences in metacognition. *Psychology and Aging*, 27(1), 33-45. doi: 10.037/a0026231
- Jacoby, L.L., **Rogers, C.S.**, Bishara, A., & Shimizu, Y. (2012) Mistaking the recent past for the present: false seeing by older adults. *Psychology and Aging*, 27 (1), 22-32. doi:10.137/a0025924
- Jacoby, L. L., Wahlheim, C. N., Rhodes, M. G., Daniels, K. A., & **Rogers, C. S.** (2010). Learning to diminish the effects of proactive interference: Reducing false memory for younger and older adults. *Memory & Cognition*. 38(6), 820-829.
- Lambert, A.L., Nesse, L., Jacoby, L.L., & **Rogers, C.S.** (2009). “How Does Collective Memory Create a Sense of the Collective?” In P. Boyer and J.V. Wertsch (Eds.) *Memory in Mind and Culture*. Cambridge University Press. New York, New York

ACADEMIC POSITIONS

- 2018-** **Assistant Professor**
Union College (Schenectady, NY)
Department of Psychology
- 2015-2018** **Staff Scientist**
Washington University School of Medicine (St. Louis, MO)
Department of Otolaryngology
Peelle Lab
Sponsor: Jonathan Peelle, Ph.D.
- 2014-2015** **Postdoctoral Research Associate**
Washington University School of Medicine (St. Louis, MO)
Department of Otolaryngology
Peelle Lab
Sponsor: Jonathan Peelle, Ph.D.
- 2011-2014** **Postdoctoral Research Fellow**
Brandeis University (Waltham, MA)
Volen National Center for Complex Systems
Memory and Cognition Laboratory
Sponsor: Arthur Wingfield, Ph.D.
- 2011** **Postdoctoral Research Fellow**
Washington University (St. Louis, MO)
Department of Psychology
Aging, Memory, & Cognitive Control Laboratory
Sponsor: Larry L. Jacoby, Ph.D.

AWARDS & HONORS

- Fellow, Psychonomic Society, 2018
- Student Travel Scholarship Award, Aging and Speech Communication Conference – Indiana University, 2015
- Dana Foundation Fellowship in Neuroscience – Washington University, 2014-2015
- 1st Place, Poster Competition, Volen National Center for Complex Systems Annual Retreat, October 2013, Provincetown, MA.
- Student Travel Scholarship Award, Aging and Speech Communication Conference – Indiana University, 2013
- Postdoctoral Fellowship in Quantitative Neuroscience – Brandeis University, 2011-2013
- James S. McDonnell Fellowship – Washington University, – Spring 2011
- University Dissertation Fellowship: Dean’s Dissertation Fellowship - Washington University, 2009-2010
- Selected to attend APA Workshop for Web-Based Research, Iowa State University, 2007
- Student Travel Grant to Attend Washington University Study Abroad Program in The Republic of Georgia and Azerbaijan, 2007.

- University Research Fellowship - Washington University, Summer 2005
- University Graduate Fellowship Award - Washington University, 2004
- Selected to attend APA Summer Science Institute, Columbia University, 2002

TEACHING EXPERIENCE

Instructor of Record

- Fall 2018-** Cognitive Neuroscience w/Lab
Introduction to Psychology
The Psychology of Language
Union College (NY), Department of Psychology
- Spring 2018** Experimental Psychology
Washington University in St. Louis, Department of Psychology
- Fall 2016** Introduction to Cognitive Neuroscience
Washington University in St. Louis, Department of Psychology
- Spring 2015** Principles of Psychology
Lindenwood University, Department of Psychology
- Summer 2010** Introduction to Psychological Statistics
Washington University in St. Louis, Department of Psychology
- Summer 2009** Introduction to Psychology
Washington University in St. Louis, Department of Psychology
- ### Guest Lecturer
- Fall 2015** Introduction to Cognitive Neuroscience (4 lectures)
Washington University in St. Louis, Department of Psychology
- Fall 2014** Introduction to Linguistics
Washington University in St. Louis, Department of Psychology
- Spring 2009** Graduate Seminar in Metacognition, Awareness, and Cognitive Control
Washington University in St. Louis, Department of Psychology
- ### Teaching Assistant
- Spring 2008** Introduction to Linguistics
Washington University in St. Louis, Department of Psychology
- Fall 2007** Cognitive Psychology
Washington University in St. Louis, Department of Psychology
- Summer 2007** Seminar in Memory in Mind and Culture
Washington University Study Abroad Program in
Tbilisi, Georgia and Baku, Azerbaijan

Fall 2006 Introduction to Psychology
Washington University in St. Louis, Department of Psychology

PEDAGOGICAL TRAINING

Fall 2018 Union College New Faculty Bootcamp

Summer, 2009 Washington University Teaching Center Orientation and Training for Teaching Assistants

2006 - 2008 Washington University Teaching Center Workshops on Preparing and Delivering Effective Lectures and Leading Discussions

Summer, 2005 Washington University course “Practicum in Teaching Psychology”

TALKS AT NATIONAL CONFERENCES

- **Rogers C.S.**, Jones M., McConkey S., Spehar B., Van Engen K.J., Sommers M.S., Peelle J.E.. Age-related differences in auditory cortex activity during spoken word recognition. *OHBMequinox*, March 2020. <https://twitter.com/OHBMequinox/status/1241103520880824323>
- **Rogers, C.S.**, Jacoby, L.L., Bishara, A.J., Shimizu, Y., & Amichetti, N. (2012). The False Seeing Effect in Older Adults: Age Differences in Monitoring and Control of Vision. Seventh Bi-Annual Meeting of the International Association for Metacognition. November 15, 2012. Minneapolis, MN.
- **Rogers, C.S.**, Jacoby, L.L., Sommers, M.S., & Wingfield, A. (2012). Age-related Changes in Flexible Listening: Studies on Meta-Audition and the False Hearing Effect. 53rd Annual Meeting of the Psychonomic Society. November 15-18, 2012. Minneapolis, MN.
- **Rogers, C.S.**, Jacoby, L.L., & Sommers, M.S. (2011). False Hearing: Age-related changes in meta-audition. 10th Annual Auditory Perception, Cognition, and Action Meeting. November 3, 2011. Seattle, WA.
- **Rogers, C.S.**, Jacoby, L.L., & Sommers, M.S. (April, 2010). Aging, Context, and the Subjective Experience of Hearing. Presented at Annual Meeting of the Midwestern Psychological Association. Chicago, Illinois.
- **Rogers, C.S.** (2009). Measuring Georgian Attitudes toward Foreign Investors to Build a Psychology of the Extreme. International Symposium on Democratic Structures, Democratic Cultures: The Republic of Georgia in Comparative Perspectives. November 12-13, 2009. St. Louis, MO.

INVITED TALKS

- University of Notre Dame, Department of Psychology, South Bend, IN Sept 2023
- Rutgers University-Camden, Department of Psychology, Camden, NJ 2021
- Society for Neuroscience Hudson-Berkshire, Annual Meeting, Albany, NY 2019
- Union College, Psychology Visiting Speakers Series, Schenectady, NY 2019

- MRC Brain Sciences Unit, Cambridge, UK 2016
- Beckman Institute, University of Illinois, Urbana, IL 2015
- Vision Laboratory, Brandeis University, Waltham, MA. 2013
- Rotman Research Institute, Baycrest Hospital, Toronto, ON, CA 2012
- Auditory Neuroscience Laboratory, Boston University, Boston, MA. 2012

POSTERS AT NATIONAL CONFERENCES

- *Albuja, I., & **Rogers, C.S.** (2022). Does Bilingualism Impact Age-Related Increases in False Hearing? 63rd Annual Meeting of the Psychonomic Society. November 17-20, 2022. Boston, MA.
- *Albuja, I., & **Rogers, C.S.** (2022). Impact of Bilingualism on Age-Related Increases to False Hearing. 14th Annual Meeting of the Society for the Neurobiology of Language. October 6-8, 2022. Philadelphia, PA.
- *Alberts, K., *Noud, B., Peelle, J.E., & **Rogers, C.S.** (2019). Does the structure of the lexicon change with age? An investigation using the Auditory Lexical Decision Task. *APCAM 2019*, Montréal, Canada, November 2019.
- **Rogers, C.S.**, *Noud, B., & Peelle, J.E. (2018). Does Hearing Impairment Affect Lexical Competition? Interactive Effects Between Word Frequency, Neighborhood Density and Hearing Loss on Auditory Lexical Decisions. 18th Annual Auditory Perception, Cognition and Action Meeting. November 15. New Orleans, LA.
- Bajracharya, A., **Rogers, C.S.**, Jones, M.S., McConkey, S.M., Peelle, J.E. Evaluating the reliability of fMRI for single subject language mapping. *Annual Meeting of the Society for Neuroscience*, San Diego, CA, November 2018.
- **Rogers, C.S.**, Jones, M.S., McConkey, S.M., Spehar, B., Runge, N., Van Engen, K.J., Sommers, M.S., & Peelle, J.E. (2018). Aging diminishes auditory activation for single spoken words: evidence from fMRI. 10th Annual Meeting of the Society for the Neurobiology of Language. August 16-18. Québec City, QC, CA.
- **Rogers, C.S.**, Jones, M.S., McConkey, S.M., Spehar, B., Runge, N., Van Engen, K.J., Sommers, M.S., & Peelle, J.E. (2018). Cortical Speech Processing in Young and Older Adults' Perception of Spoken Words: Evidence from fMRI. Cognitive Aging Conference. May 3-6. Atlanta, GA.
- **Rogers, C.S.**, Jones, M.S., Hampton, J.M., Hoyt Drazen, C., Smyth, M.D., Roland, J., Dosenbach, N., & Peelle, J.E. (2017). Speech Processing with One Hemisphere: Word Repetition in Patients with Right Hemisphereotomy. 9th Annual Meeting of the Society for the Neurobiology of Language. November 8-10. Baltimore, MD.
- **Rogers, C.S.**, *Koeritzer, M., Van Engen, K.E., & Peelle, J. (2016). Interactive effects of semantic ambiguity, acoustic challenge, and aging on recognition memory for spoken sentences. 57th Annual Meeting of the Psychonomic Society. November 17-20, 2016. Boston, MA.
- **Rogers, C.S.**, & Peelle, J.E. (2015). False hearing: Age-related changes in spoken word recognition. 56th Annual Meeting of the Psychonomic Society. November 19-22, 2015. Chicago, IL.
- Lee, Y.S., **Rogers, C.S.**, Min, N.E., Wingfield, A., Grossman, M., & Peelle, J.E. (2015). Neural Mechanisms Supporting Successful Speech Comprehension in Normal Aging. The Society for Neuroscience 45th Annual Meeting, October 17-21, 2015. Chicago, IL.

- **Rogers, C.S.**, Payne, L., *Maharjan, S., Sekuler, R., Wingfield, A. (2015) Alpha power in Young and Older Adults' Attention at a Cocktail Party. 7th Annual Meeting of the Society for the Neurobiology of Language. October 15-18, 2015. Chicago, IL.
- **Rogers, C.S.**, & Peelle, J.E. (2015). Does test format matter when testing older adults' false hearing? An examination of two closed-set recognition procedures. Aging and Speech Communication Conference 2015. October 11-14, 2015. Bloomington, IN.
- Peelle, J.E., **Rogers, C.S.**, Ward, C.M., Van Engen, K.E. (2015). Effects of age and acoustic challenge on memory for narrative speech. Aging and Speech Communication Conference 2015. October 11-14, 2015. Bloomington, IN.
- Payne, L., **Rogers, C.S.**, *Maharjan, S., Wingfield, A., Sekuler, R. (2015). Older and Younger Adults Can Reduce the Cocktail Party Effect by Listening With the Right Ear. The 22nd Annual Meeting of the Cognitive Neuroscience Society. March 28-31, 2015. San Francisco, CA.
- **Rogers, C.S.**, Payne, L., *Maharjan, S., Sekuler, R., & Wingfield, A. (2014). Dichotic Listening is Tough, and Only Gets Tougher: Effects of Age and Attention on Dichotic Listening. Auditory Perception, Cognition, and Action Meeting. November 14, 2014. Long Beach, CA.
- Lee, Y.S., Peelle, J.E., **Rogers, C.S.**, Wingfield, A., & Grossman, M. (2014). Neural Correlates of Acoustic and Linguistic Contribution to Listening Effort During Speech Comprehension. The Society for Neuroscience 44th Annual Meeting, November 15-19, 2014. Washington, D.C.
- **Rogers, C.S.**, DeCaro, R., & Wingfield, A. (2014). Enough of this Babble! Effects of Age and Context on Online Control of Background Noise Masking. Cognitive Aging Conference. April 3-6, 2014. Atlanta, GA.
- **Rogers, C.S.**, & Wingfield, A. (2013). Bring on the Noise! Subjective Experience and Online Control of Noise are Influenced by Context in Young and Older Adults. 54th Annual Meeting of the Psychonomic Society. November 14-17, 2013. Toronto, ON, Canada.
- **Rogers, C.S.**, Jacoby, L.L., Sommers, M.S., *Morton, J. R., & Wingfield, A. (2013). Misleading Contexts: Age-Related Changes in Listening Flexibility and the False Hearing Effect. Aging and Speech Communication Conference 2013. October 6-9, 2013. Bloomington, IN.
- *Morton, J.R., Jacoby, L.L., **Rogers, C.S.**, & Sommers, M.S. (2013). Frequent False Hearing by Older Adults: The Effects of Predictive Context in Speech Perception. Aging and Speech Communication Conference 2013. October 6-9, 2013. Bloomington, IN.
- **Rogers, C.S.**, Jacoby, L.L., Sommers, M.S., Bishara, A.J., & Shimizu, Y. (2012). Dramatic False Perceptions in Older Adults: Metacognitive Evidence from Audition and Vision. 2012 Cognitive Aging Conference. April 19-21, 2012. Atlanta, GA.
- *Lash, A., **Rogers, C.S.**, & Wingfield, A. (2012). Information vs. Entropy: Word recognition in good-and poor-hearing older adults. Cognitive Aging Conference. April 19-21, 2012. Atlanta, GA.
- *Lash, A., **Rogers, C.S.**, & Wingfield, A. (2011). A reciprocal relationship between sensory information and probabilistic expectation in spoken word recognition: Evidence from aging. The Society for Neuroscience 41st Annual Meeting, November 12-16, 2011. Washington, D.C.

- **Rogers C.S.**, Jacoby L.L., & Sommers, M.S. (November, 2010). False Hearing: Age Differences in Meta-Audition. 51th Annual Meeting of the Psychonomic Society. St. Louis, Missouri.
- **Rogers C.S.**, Jacoby L.L., & Sommers, M.S. (April, 2010). False Hearing: Age Differences in Meta-Audition. *Cognitive Aging*. Atlanta, Georgia.
- **Rogers C.S.**, Jacoby L.L., & Sommers, M.S. (April, 2008). Hearing What Isn't There: Age and Context in Spoken Word Recognition. *Cognitive Aging*. Atlanta, Georgia.
- **Rogers C.S.**, Jacoby L.L., & Sommers, M.S. (November, 2006). I've Heard It All Before: Context and Age Effects on the Subjective Experience of Audition. 47th Annual Meeting of the Psychonomic Society. Houston, Texas.

EDITORIAL SERVICE

- *Ad Hoc Journal Reviewer*, Aging, Neuropsychology, and Cognition
- *Ad Hoc Journal Reviewer*, American Journal of Speech-Language Pathology
- *Ad Hoc Journal Reviewer*, American Journal of Audiology
- *Ad Hoc Journal Reviewer*, Ear and Hearing
- *Ad Hoc Journal Reviewer*, Experimental Aging Research
- *Ad Hoc Journal Reviewer*, Experimental Brain Research
- *Ad Hoc Journal Reviewer*, Frontiers in Aging Neuroscience
- *Ad Hoc Journal Reviewer*, Frontiers in Human Neuroscience
- *Ad Hoc Journal Reviewer*, International Journal of Audiology
- *Ad Hoc Journal Reviewer*, Journal of the Acoustical Society of America
- *Ad Hoc Journal Reviewer*, Journal of Applied Gerontology
- *Ad Hoc Journal Reviewer*, Journal of Experimental Psychology: General
- *Ad Hoc Journal Reviewer*, Journal of Gerontology: Psychological Sciences
- *Ad Hoc Journal Reviewer*, Journal of Speech-Language Hearing Research
- *Ad Hoc Journal Reviewer*, Language and Linguistics Compass
- *Ad Hoc Journal Reviewer*, Memory
- *Ad Hoc Journal Reviewer*, Memory and Cognition
- *Ad Hoc Journal Reviewer*, Psychology and Aging
- *Ad Hoc Journal Reviewer*, Quarterly Journal of Experimental Psychology
- *Ad Hoc Journal Reviewer*, Trends in Hearing

PROFESSIONAL ACTIVITIES AND MEMBERSHIPS

Memberships:

American Psychological Association
 American Psychological Society
 Charles River Association for Memory
 International Association for Metacognition
 Midwestern Psychological Society
 Nu Rho Psi, Union College Chapter Advisor
 Psychonomic Society
 Society for the Neurobiology of Language
 Society for Neuroscience, Hudson-Berkshire Chapter

GRANT SUPPORT ⁺indicates NIA priority score of 10 (perfect score).

- *Co-Principal Investigator*, National Science Foundation, Division of Brain and Cognitive Sciences, “RUI: Advancing Cognitive Neuroscience Research at Union College through the Development of an EEG/ERP Core”, unfunded, (PI: Dr. Stephen Romero), 2018
- *Co-Investigator*, National Science Foundation, Perception, Action, and Cognition Program, “Spread the Word: A Spoken Word Recognition Megastudy”, unfunded, (PI: Dr. Julia Strand). 2018
- *Staff Scientist*, National Institute on Deafness and Other Communication Disorders, R01 DC014281, “The Neurocognitive Basis of Effortful Listening.” 2015-2020, \$357,201 (Direct Costs)
- *Postdoctoral Researcher*, National Institute on Aging, R01 AG019714⁺, renewal. “Hearing Acuity, Cognitive Aging, and Memory for Speech.” 2013-2017. \$179,086 (Direct Costs) (PI: Dr. Arthur Wingfield).
- *Consultant*, National Institute on Aging, R21 AG041958⁺. “False Hearing in Young and Older Adults: A Metacognitive Perspective.” 2012-2014. \$141,750 (Direct Costs) (PI: Dr. Mitchell Sommers).

UNIVERSITY/ COLLEGE SERVICE AND COMMUNITY OUTREACH

- Faculty Review Board, Center Two Junior Representative, Union College, 2022-2023
- Human Subjects Payment Committee, Union College, 2022-2023
- Student Research Grant Review Committee Member, Union College, 2018-
- Admissions Speaker, Center Two Representative, Union College, October 10, 2022
- UCALL Lecturer, Union College, April 24, 2022
- Admissions Speaker, Psychology Representative, Union College, August 2, 2019
- Student Research Symposium & Exposition, Lindenwood University, Faculty Judge, 2015
- Brandeis Psychology Department Undergraduate Research Night, Panelist, 2010-2013
- Brandeis University Life Sciences Postdoc Committee, Organizing Member, 2010-2013
- Brandeis University Life Sciences Special Event Planning Committee, 2012
- Washington University Graduate Student Senate, Senator, 2007 - 2008

REFERENCES FOR CHAD S. ROGERS

Dr. Jonathan Peelle

Center for Cognitive and Brain Health
Department of Communication Sciences and Disorders
Department of Psychology
Northeastern University ISEC 320
360 Huntington Avenue
Boston, MA 02115
Email: j.peelle@northeastern.edu

Dr. Arthur Wingfield

Volen National Center for Complex Systems
Brandeis University
PO Box 549110
Waltham, MA 02454
Email: wingfield@brandeis.edu
Phone: (781) 736-3270

Dr. Mitchell Sommers

Department of Psychology
Washington University in St. Louis
Campus Box 1125
One Brookings Drive
St. Louis, MO 63130-4899
Email: msommers@wustl.edu
Phone: (314) 935-6561