

Curriculum Vitae

Notarization. I certify that this *curriculum vitae* is a current and accurate statement of my professional record.

Signature 

Date February 3, 2021

I. Personal Information

I.A. Name and Contact info:

Novick, Jared Matthew (UID: 109842853)
Department of Hearing and Speech Sciences
7251 Preinkert Drive
University of Maryland
College Park, MD 20742
jnovick1@umd.edu

I.B. Academic Appointments

Assistant to Associate Research Scientist, Center for Advanced Study of Language (2007 - 2018)
Faculty, Program in Neuroscience and Cognitive Science (2008 -)
Assistant Professor, HESP (2014 - 2019)
Faculty, Maryland Language Science Center (2014 -)
Co-Director, Ph.D. Program in Hearing and Speech Sciences (2014 - 2020)
Co-Director, Honors Program in Hearing and Speech Sciences (2018 -)
Associate Professor, HESP (2019 -)
Lead Faculty Fellow, University Honors (2020 -)

I.C. Education

B.A., Brain and Cognitive Sciences, Phi Beta Kappa, *magna cum laude*, Research Honors (1998)
University of Rochester, Rochester, NY

A.M., Cognitive Psychology (2001)
University of Pennsylvania, Philadelphia, PA

Ph.D., Cognitive Psychology (2005)
University of Pennsylvania, Philadelphia, PA

Post-doctoral Fellowship, Brain and Cognitive Sciences (2005 - 2007)
Massachusetts Institute of Technology, Cambridge, MA

I.D. Professional Memberships

Fellow of the Psychonomic Society
Member, Cognitive Science Society

II. Research, Scholarly, Creative and/or Professional Activities

II.A. Books edited

Novick, J. M., Bunting, M. F., Dougherty, M. R., & Engle, R. (Eds.). (2019). *Cognitive and Working Memory Training: Perspectives from Psychology, Neuroscience, and Human Development*. Oxford University Press.

II.B. Journals Articles (*graduate student/post-doc author; ** undergraduate/post-bac author)

II.B.1. Refereed Journal Articles

1. Tagamets, M-A., **Novick, J. M.**, Chalmers, M. L., & Friedman, R. B. (2000). A parametric approach to orthographic processing in the brain: An fMRI study. *Journal of Cognitive Neuroscience*, 12(2), 1-17. DOI: 10.1162/089892900562101
2. **Novick, J. M.**, Kim, A. E., & Trueswell, J. C. (2003). Studying the grammatical aspects of word recognition: Lexical priming, parsing, and syntactic ambiguity resolution. *Journal of Psycholinguistic Research*, 32(1), 57-75. DOI: 10.1023/A:1021985032200
3. **Novick, J. M.**, Trueswell, J. C., & Thompson-Schill, S. L. (2005). Cognitive control and parsing: Re-examining the role of Broca's area in sentence comprehension. *Cognitive, Affective, and Behavioral Neuroscience*, 5(3), 263-281. DOI: 10.3758/CABN.5.3.263
4. **Novick, J. M.**, Thompson-Schill, S. L., & Trueswell, J. C. (2008). Putting lexical constraints in context into the visual-world paradigm. *Cognition*, 107(3), 850-903. DOI: 10.1016/j.cognition.2007.12.011
5. **Novick, J. M.**, Kan, I. P., Trueswell, J. C., & Thompson-Schill, S. L. (2009). A case for conflict across multiple domains: Memory and language impairments following damage to ventrolateral prefrontal cortex. *Cognitive Neuropsychology*, 26(6), 527-567. DOI: 10.1080/02643290903519367
6. **Novick, J. M.**, Trueswell, J. C., & Thompson-Schill, S. L. (2010). Broca's area and language processing: Evidence for the cognitive control connection. *Language and Linguistics Compass*, 4(10), 906-924. DOI: 10.1111/j.1749-818X.2010.00244.x
7. Chrysikou, E. G., **Novick, J. M.**, Trueswell, J. C., & Thompson-Schill, S. L. (2011). The other side of cognitive control: Can a lack of cognitive control benefit language and cognition? *Topics in Cognitive Science*, 3, 253-256. DOI: 10.1111/j.1756-8765.2011.01137.x
8. Hussey, E. K.* & **Novick, J. M.** (2012). The benefits of executive control training and the implications for language processing. *Frontiers in Psychology*, 3:158. DOI: 10.3389/fpsyg.2012.00158
9. Slevc, L. R., & **Novick, J. M.** (2013). Memory and cognitive control in an integrated theory of language processing. (Commentary on Pickering & Garrod, An integrated theory of language production and comprehension.) *Behavioral and Brain Sciences*, 36, 373-374. DOI: 10.1017/S0140525X12001495
10. Sprenger, A.*, Atkins, S. M.*, Bolger, D. J., Harbison, J. I., **Novick, J. M.**, Chrabaszcz, J.*, Weems, S. A., Smith, V.**, Bobb, S.**, Bunting, M. F., & Dougherty, M. R. (2013). Training working memory: Limits of transfer. *Intelligence*, 41, 638-663. DOI: 10.1016/j.intell.2013.07.013
11. Kan, I. P., Teubner-Rhodes, S.*, Nutile, L.*, Drummey, A. B.*, Krupa, L.**, & **Novick, J. M.** (2013). To adapt or not to adapt: The question of domain-general cognitive control. *Cognition*, 129(3), 637-651. DOI: 10.1016/j.cognition.2013.09.001
12. **Novick, J. M.**, Hussey, E.*, Teubner-Rhodes, S.*, Harbison, J. I., & Bunting, M. F. (2014). Clearing the garden-path: Improving sentence processing through cognitive control training. *Language, Cognition, and Neuroscience*, 29(2), 186-217. DOI: 10.1080/01690965.2012.758297
13. Hsu, N. S.*, **Novick, J. M.**, & Jaeggi, S. M. (2014). The development and malleability of executive control abilities. *Frontiers in Behavioral Neuroscience*. 8:221. DOI: 10.3389/fnbeh.2014.00221
14. Hsu, N. S.* & **Novick, J. M.** (2016). Dynamic engagement of cognitive control modulates recovery from misinterpretation during language processing. *Psychological Science*, 27(4), 572-582. DOI: 10.1177/0956797615625223
15. Teubner-Rhodes, S. E.*, Mishler, A.**, Corbett, R.**, Barrachina, L. A., Sanz-Torrent, M., Trueswell, J. C., & **Novick, J. M.** (2016). The effects of bilingualism on conflict monitoring, cognitive control, and garden-path recovery. *Cognition*, 150, 213-231. DOI: 10.1016/j.cognition.2016.02.011
16. Hussey, E.*, Harbison, J. I., Teubner-Rhodes, S. E.*, Mishler, A.**, Velnoskey, K.**, & **Novick, J. M.** (2017). Memory and language improvements following cognitive control training. *Journal*

of Experimental Psychology: Learning, Memory, and Cognition, 43(1), 23-58. DOI: 10.1037/xlm0000283

17. Mallikarjun, A.*, Newman, R. S., & **Novick, J. M.** (2017). Exploiting the interconnected lexicon: Bootstrapping English language learning in young Spanish speakers. *Translational Issues in Psychological Science*, 3(1), 34-47. DOI: 10.1037/tps0000105
18. Hsu, N. S.*, Jaeggi, S. M., & **Novick, J. M.** (2017). A common neural hub resolves syntactic and non-syntactic conflict through cooperation with task-specific networks. *Brain and Language*, 166, 63-77. DOI: 10.1016/j.bandl.2016.12.006
19. Nozari, N., & **Novick, J. M.** (2017). Conflict monitoring and control in language production. *Current Directions in Psychological Science*, 26(5), 403-410. DOI: 10.1177/0963721417702419
20. Thothathiri, M., Hsu, N.*, Asaro, C.*, & **Novick, J. M.** (2018). *Who did what?* A causal role for cognitive control in thematic role assignment. *Cognition*, 178, 162-177. DOI: 10.1016/j.cognition.2018.05.014
21. Teubner-Rhodes, S. E.*, Bolger, D. J., & **Novick, J. M.** (2019). Conflict monitoring and detection in the bilingual brain. *Bilingualism: Language and Cognition*, 22(2), 228-252. DOI: 10.1017/S1366728917000670
22. Ogg, M.*, Okada, B.*, **Novick, J. M.**, & Slevc, L. R. (2019). Updating musical tonal structure in working memory engages cognitive control. *Auditory Perception & Cognition*, 2(1), 21-46.
23. Adler, R. M.*, Valdés Kroff, J. R., & **Novick, J. M.** (2020). Does integrating a code-switch during comprehension engage cognitive control? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 46(4), 741-759.
24. Hsu, N. S.*, Kuchinsky, S. E., & **Novick, J. M.** (2021). Direct impact of cognitive control on sentence processing and comprehension. *Language, Cognition, and Neuroscience*, 36(2), 211-239. <https://doi.org/10.1080/23273798.2020.1836379>

II.B.2. Other: Manuscripts in Revision, under Review, and in Preparation (partial list)

1. Adler, R.*, **Novick, J. M.**, & Huang, Y. (in preparation). Context integration during real-time comprehension of verbal irony.
2. Huang, Y., Hsu, N.*, Leonard, E.***, Kowalski, A.*, & **Novick, J.M.** (in preparation). Language comprehension with limited control: Effects on the kindergarten path.
3. **Novick, J. M.** Hsu, N.*, Milligan, S.*, & Kim, A. E. (in preparation). P600 indicator of comprehension: Dynamic effects of cognitive-control engagement on real-time parsing.

II.C. Published Refereed Conference Proceedings

1. Hanna, J. E., Trueswell, J. C., Tanenhaus, M. K., & **Novick, J. M.** (1997). Consulting common ground during referential interpretation. In M.G. Shafto & P. Langley (Eds.), Palo Alto, CA. Hillsdale, NJ: Erlbaum.
2. Arnold, J. E., **Novick, J. M.**, Brown-Schmidt, S., Eisenband, J. G., & Trueswell, J. C. (2001). Knowing the difference between girls and boys: The use of gender during on-line pronoun comprehension in young children. In Do, A.H., Dominguez, L., & Johansen, A. (Eds.). Proceedings of the 25th Boston University Conference on Language Development, Vols 1 & 2. Somerville, MA: Cascadilla Press, 59-69.
3. Adler, R. M.*, **Novick, J. M.**, and Huang, Y. (2016). The time course of verbal irony comprehension and context integration. In: Fabienne Salfner and Uli Sauerland (Eds.), Proceedings of Trends in Experimental Pragmatics, XPRAG.de, Berlin, Germany, pp. 1-9.

II.D. Conferences, Workshops, and Talks

II.D.1. Invited Talks (see II.D.7. for Invited Symposia and II.D.9. for Invited Colloquia)

1. **Novick, J. M.**, Trueswell, J. C., & Thompson-Schill, S. L. (February, 2004). Broca's area and the role of selectional processes in language comprehension. National Science Foundation Review Committee for Science of Learning, Piscataway, NJ.
2. **Novick, J. M.** (June, 2004). Eye-tracking as a window to understanding language understanding. Institute for Research in Cognitive Science, University of Pennsylvania, Philadelphia, PA.
3. **Novick, J. M.** (August, 2005). Cognitive control and the role of Broca's area in sentence processing: Patient studies and individual differences among healthy adults. Cognitive and Affective Neuroscience Group, Department of Brain & Cognitive Sciences, Massachusetts Institute of Technology.
4. **Novick, J. M.** (June, 2006). Conflict resolution and adaptation in language comprehension: Reaching out to the psychometric sciences. Division of Research & Development, Educational Testing Service.
5. **Novick, J. M.** (February, 2010). A peek at parsing in patients: Broca's area, language processing, and the cognitive-control connection. Department of Psychology, Cognitive Neuroscience Group, Villanova University
6. **Novick, J. M.** (May, 2013). Broca's area, language processing, and the benefits of cognitive-control training. Annual Learning & the Brain Conference on Executive Skills for School Success: Enhancing Self-Regulation, Reasoning, and Working Memory, Arlington, VA.

II.D.2. Refereed Spoken Presentations

1. Hanna, J. E., Trueswell, J. C., Tanenhaus, M. K., & **Novick, J. M.** (March, 1998). Consulting common ground during referential interpretation. Paper presented at the Eleventh Annual CUNY Conference on Human Sentence Processing, Rutgers University, New Brunswick, NJ. (15% acceptance rate for spoken presentations.)
2. Arnold, J., **Novick, J. M.**, Brown-Schmidt, S., Eisenband, J., & Trueswell, J. C. (November, 2000). Knowing the difference between girls and boys: The use of gender during on-line pronoun comprehension in young children. Paper presented at the Boston University Conference on Language Development, Boston, MA.
3. Kim, A. E., Trueswell, J. C., & **Novick, J. M.** (March, 2000). Fast priming of lexical argument structure in nouns and verbs. Paper presented at the Thirteenth Annual CUNY Conference on Human Sentence Processing, La Jolla, CA. (13% acceptance rate for spoken presentations.)
4. **Novick, J. M.** & Trueswell, J. C. (September, 2001). Nipping spoken garden-paths in the bud: Lexical priming of argument structure during auditory language comprehension. (Due to the events of 9/11 the prior week, I declined the offer to present paper at the Seventh Annual Conference on Architectures and Mechanisms for Language Processing) Saarbrücken, Germany. (Abstract appears in conference proceedings.)
5. **Novick, J. M.** & Trueswell, J. C. (November, 2001). Nipping spoken garden-paths in the bud: Lexical priming of argument structure during auditory language comprehension. Paper presented at the 42nd Annual Meeting of the Psychonomic Society, Orlando, FL.
6. **Novick, J. M.** & Trueswell, J. C. (March, 2002). Nipping spoken garden-paths in the bud: Lexical priming of argument structure during auditory language comprehension. Paper presented at the Fifteenth Annual CUNY Conference on Human Sentence Processing, New York, NY. (12% acceptance rate for spoken presentations.)
7. **Novick, J. M.**, Trueswell, J. C., January, D., & Thompson-Schill, S. L. (September, 2004). The role of conflict resolution in parsing: Individual differences in syntactic ambiguity resolution and executive control. Paper presented at the Tenth Annual Conference on Architectures and Mechanisms for Language Processing, Aix-en Provence, France. (12% acceptance rate for spoken presentations.)
8. Trueswell, J. C., Gleitman, L. R., **Novick, J. M.**, Choi, Y., & January, D. (November, 2004). Referential scene contributions to structure, revisited. Paper presented at the Boston University Conference on Language Development, Boston, MA.

9. Hussey, E. K.*, Teubner-Rhodes, S.*, Dougherty, M. R., Bunting, M. F., & **Novick, J. M.** (September, 2010). Improving garden-path recovery through cognitive control training. Paper presented at the Sixteenth Annual Conference on Architectures and Mechanisms for Language Processing, York, England. (11% acceptance rate for spoken presentations.)
10. Haarmann, H. J., Grunewald, K.** , & **Novick, J. M.** (November, 2010). Activation dynamics of creative intuition. Paper presented at the 51st Annual Meeting of the Psychonomic Society, St. Louis, MO.
11. Hussey, E. K.*, Teubner-Rhodes, S.*, Dougherty, M. R., Bunting, M. F., & **Novick, J. M.** (November, 2010). Training executive control functions improves garden-path recovery. Paper presented at the 51st Annual Meeting of the Psychonomic Society, St. Louis, MO.
12. Teubner-Rhodes, S. E.*, Mishler, A.** , Corbett, R.** , Barrachina, L. A., Sanz-Torrent, M., Trueswell, J. C., & **Novick, J. M.** (September, 2011). The bilingual advantage: Conflict monitoring, cognitive control, and garden-path recovery. Paper presented at the Seventeenth Annual Conference on Architectures and Mechanisms for Language Processing, Paris, France. (10% acceptance rate for spoken presentations.)
13. Nutile, L.*, Teubner-Rhodes, S.*, Drummey, A. B.*, Krupa, L.** , **Novick, J. M.**, & Kan, I. P. (November, 2011). Conflict adaptation across tasks: Evidence for domain-general cognitive control. Paper presented at the 52nd Annual Meeting of the Psychonomic Society, Seattle, WA.
14. Hussey, E.*, Harbison, J. I., Mishler, A.** , Teubner-Rhodes, S. E.*, & **Novick, J. M.** (March, 2013). Trainability and transferability of interference resolution skills to parsing and non-parsing domains. Paper presented at the 26th Annual CUNY Conference on Human Sentence Processing, Columbia, SC. (~10% acceptance rate for spoken presentations.)
15. Hsu, N.* & **Novick, J. M.** (March, 2015). Dynamic engagement of cognitive control facilitates recovery from misinterpretation. Paper presented at the 28th Annual CUNY Conference on Human Sentence Processing, Los Angeles, CA. (~10% acceptance rate for spoken presentations.)
16. Hsu, N.* & **Novick, J. M.** (November, 2015). Real-time engagement of cognitive control modulates recovery from misinterpretation during spoken language comprehension. Paper presented at the 56th Annual Meeting of the Psychonomic Society, Chicago, IL. **Winner of Select Speaker Award.**
17. Adler, R.*, **Novick, J. M.**, & Huang, Y. (January, 2016). The time course of verbal irony comprehension and context integration. Talk presented at Trends in Experimental Pragmatics, Berlin, Germany.
18. Huang, Y., Hsu, N.*, Gerard, J.*, Kowalski, A.*, & **Novick, J. M.** (November, 2016). Cognitive-control effects on the kindergarten path: Separating correlation from causation. Paper presented at the 41st Boston University Conference on Language Development, Boston, MA.
19. Adler, R.*, Valdes-Kroff, J., & **Novick, J. M.** (June, 2017). Does code switching engage cognitive control? Talk presented at the 11th Annual International Symposium of Bilingualism, Limerick, Ireland.
20. Adler, R.*, **Novick, J. M.**, & Huang, Y. (March, 2018). Context, conflict, and the time course of interpreting irony. Paper presented at 31st Annual CUNY Conference on Human Sentence Processing, Davis, CA. (~7% acceptance rate for spoken presentations.)
21. Ovans, Z.*, **Novick, J.M.**, & Huang, Y. (November, 2020). Engaging cognitive control helps children ignore unreliable sentence processing cues. Paper presented at the 45th Boston University Conference on Language Development, Boston, MA.
22. Ovans, Z.*, **Novick, J.M.**, & Huang, Y. (March, 2021). Virtual-World eye-tracking: The efficacy of replicating word processing effects remotely. Short talk presented at the 34th Annual CUNY Conference on Human Sentence Processing, Philadelphia PA.

II.D.3. Refereed Posters

1. Hanna, J. E., Trueswell, J. C., Tanenhaus, M. K., & **Novick, J. M.** (August, 1997). Consulting Common Ground During Referential Interpretation. Poster presented at the 19th Annual Conference of the Cognitive Science Society, Palo Alto, CA.
2. Palumbo, D., **Novick, J. M.**, Schifitto, G., & McDermott, M. (March, 1998). Neuropsychological screening in an HIV+ patient population: correlations to neurologic measures and CD4 count. Poster presented at the American Neuropsychiatric Association, Honolulu, HI.
3. Arnold, J., Brown-Schmidt, S., **Novick, J. M.**, & Trueswell, J. C. (March, 2001). Rely on What's Reliable: Children's Use of Gender and Order-of-Mention in Pronoun Comprehension. Poster presented at the Fourteenth Annual CUNY Conference on Human Sentence Processing, Philadelphia, PA.
4. **Novick, J. M.**, January, D., Trueswell, J. C., & Thompson-Schill, S. L. (March, 2004). Prefrontal cortex and the role of selectional processes in language comprehension: Frogs, napkins, and Broca's area. Poster presented at the Seventeenth Annual CUNY Conference on Human Sentence Processing, College Park, MD.
5. **Novick, J. M.**, Trueswell, J. C., January, D., & Thompson-Schill, S. L. (November, 2004). Garden-path recovery and cognitive control: the role of conflict resolution in parsing. Poster presented at the 45th Annual Meeting of the Psychonomic Society, Minneapolis, MN.
6. Haarmann, H. J., George, T. G., Smaliy, A., Grunewald, K., & **Novick, J. M.** (March, 2009). Alpha neurofeedback training and its implications for studies of cognitive creativity. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
7. Thothathiri, M., **Novick, J. M.**, Thompson, T., Gibson, E., & Gabrieli, J. D. E. (June, 2009). Selective fMRI activation in Broca's area for syntactic conflict during sentence processing. Poster presented at the annual meeting of the Association for Psychological Science, San Francisco, CA.
8. **Novick, J. M.**, Thothathiri, M., Thompson, T., Gibson, E., & Gabrieli, J. D. E. (September, 2009). Selective fMRI activation in Broca's area for syntactic conflict (but not ambiguity) during sentence processing. Poster presented at the annual conference on Architectures and Mechanisms for Language Processing, Barcelona, Spain.
9. Hussey, E. K.*, Teubner-Rhodes, S.*, Dougherty, M. R., & **Novick, J. M.** (November, 2009). The effect of affect on cognitive control and sentence processing. Poster presented at the 50th Annual Meeting of the Psychonomic Society, Boston, MA.
10. Harbison, J. I., Atkins, S. M.*, Dougherty, M. R., Bunting, M. F., **Novick, J. M.**, Weems, S. A., Hussey, E. K., & Teubner-Rhodes, S. (November, 2009). Performance gains in an adaptive n-back working memory training task. Poster presented at the 50th Annual Meeting of the Psychonomic Society, Boston, MA, 2009.
11. **Novick, J. M.**, Smaliy, A., Clausner, T., & Haarmann, H. J. (November, 2009). Sensitivity of lexical-semantic competition to accumulation of shared meaning. Poster presented at the 50th Annual Meeting of the Psychonomic Society, Boston, MA, 2009.
12. Hussey, E.*, Teubner-Rhodes, S.*, Dougherty, M., & **Novick, J. M.** (March, 2010). Parsing under pressure: The effects of performance pressure on cognitive control and syntactic ambiguity resolution. Poster presented at the 23rd Annual CUNY Conference on Human Sentence Processing, New York.
13. Haarmann, H. J., George, T.***, Dien, J., Chrabaszcz, J.*, Smaliy, A., Freynik, S. *, & **Novick, J. M.** (April, 2010). Creative cognition benefits from incubation with neurofeedback. Poster presented at the Cognitive Neuroscience Society Annual Meeting, Montreal, Canada.
14. Atkins, S. M.*, Dougherty, M. R., Harbison, J. I., **Novick, J. M.**, & Bunting, M. F. (November, 2010). Persistence and transferability of working memory training over time. Poster presented at the 51st Annual Meeting of the Psychonomic Society, St. Louis, MO.
15. Hussey, E. K.*, Teubner-Rhodes, S.*, Dougherty, M. R., Bunting, M. F., & **Novick, J. M.** (February, 2011). Improving sentence comprehension through cognitive training. Poster presented at the Annual Meeting of the American Association for the Advancement of Science, Washington, DC.

16. Hussey, E. K.*, Teubner-Rhodes, S.*, Dougherty, M. R., Bunting, M. F., & **Novick, J. M.** (March, 2011). Improving garden-path recovery through cognitive control training. Poster presented at the 24th Annual CUNY Conference on Human Sentence Processing, Palo Alto, CA.
17. Nutile, L.*, Teubner-Rhodes, S.*, Drummey, A. B.*, Krupa, L.***, **Novick, J. M.**, & Kan, I. P. (June, 2011). Conflict adaptation across tasks: Evidence for domain-general cognitive control. Poster presented at the annual meeting of the Association for Psychological Science, Washington, DC.
18. Teubner-Rhodes, S. E.*, Mishler, A.***, Corbett, R.***, Barrachina, L. A., Sanz-Torrent, M., Trueswell, J. C., & **Novick, JM** (March, 2012). The bilingual advantage: Conflict monitoring, cognitive control, and garden-path recovery. Poster presented at the 25th Annual CUNY Conference on Human Sentence Processing, New York, NY.
19. Teubner-Rhodes, S. E.*, Kan, I. P., Drummey, A.*, & **Novick, J. M.** (September, 2012). Sentence processing engages domain-general cognitive control: Evidence from cross-task conflict adaptation. Poster presented at the Eighteenth Annual Conference on Architectures and Mechanisms for Language Processing, Riva del Garda, Italy.
20. Blok, S., Grunewald, K.***, Freynik, S.*, **Novick, J. M.**, & Haarmann, H. J. (November, 2012). Creative ideation under pressure. Poster presented at the 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.
21. Hussey, E.*, Harbison, J. I., Mishler, A.***, Teubner-Rhodes, S. E.*, & **Novick, J. M.** (November, 2012). Trainability and (selective) transferability of interference resolution skills. Poster presented at the 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.
22. Teubner-Rhodes, S. E.*, Bolger, D. J., & **Novick, J. M.** (November, 2012). Conflict resolution processes are mediated by stimulus presentation rate and language experience. Poster presented at the 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.
23. Teubner-Rhodes, S. E.*, Bolger, D. J., & **Novick, J. M.** (November, 2013). The bilingual advantage and conflict adaptation: An fMRI investigation. Poster presented at the Annual Meeting of the Society for the Neurobiology of Language, San Diego, CA.
24. Hsu, N.*, Jaeggi, S., & **Novick, J. M.** (November, 2013). A common neural basis for syntactic and non-syntactic conflict-control. Poster presented at the Annual Meeting of the Society for the Neurobiology of Language, San Diego, CA.
25. Hussey, E.*, Velnoskey, K.***, Harbison, J. I., Mishler, A.***, Teubner-Rhodes, S. E.*, & **Novick, J. M.** (November, 2013). Memory and language improvements following cognitive control training. Poster presented at the 54th Annual Meeting of the Psychonomic Society, Toronto, ON.
26. Hsu, N.*, Jaeggi, S., & **Novick, J. M.** (March, 2014). A common neural basis for syntactic and non-syntactic conflict-control. Poster presented at the 27th Annual CUNY Conference on Human Sentence Processing, Columbus, OH.
27. Hsu, N.*, Jaeggi, S., & **Novick, J. M.** (November, 2014). A common neural basis for syntactic and non-syntactic conflict-control. Poster presented at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA.
28. Teubner-Rhodes, S. E.*, Bolger, D. J., & **Novick, J. M.** (November, 2014). The bilingual advantage and conflict adaptation: An fMRI investigation. Poster presented at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA.
29. Mallikarjun, A.*, **Novick, J. M.**, & Newman, R. (November, 2015). Online processing of lexical tone by second language learners of Mandarin. Poster presented at the 56th Annual Meeting of the Psychonomic Society, Chicago, IL.
30. Hsu, N.*, Thomas, A.***, & **Novick, J. M.** (March, 2016). Does visual cognitive control engagement help listeners tidy up the garden-path? Poster presented at the 29th Annual CUNY Conference on Human Sentence Processing, Gainesville, FL.
31. Adler, R.*, **Novick, J. M.**, & Huang, Y. (March, 2016). Understanding contextual effects during the real-time comprehension of verbal irony. Poster presented at the 29th Annual CUNY Conference on Human Sentence Processing, Gainesville, FL.

32. Huang, Y., Gerard, J.*, Hsu, N.*, Kowalski, A.*, & **Novick, J. M.** (March, 2016). Cognitive-control effects on the kindergarten-path: Separating correlation from causation. Poster presented at the 29th Annual CUNY Conference on Human Sentence Processing, Gainesville, FL.
33. Hsu, N. S.*, Jaeggi, S. M., **Novick, J. M.** (August, 2016). A common neural hub resolves syntactic and non-syntactic conflict through cooperation with task-specific networks. Poster presented at the Annual Meeting of the Society for the Neurobiology of Language, London, England.
34. Adler, R.*, Valdes-Kroff, J., & **Novick, J. M.** (November, 2016). The adjustment of bilinguals' cognitive control in code-switching environments. Poster presented at the Annual Meeting of the Psychonomic Society, Boston, MA.
35. Hsu, N. S.*, Kuchinsky, S. E., Thomas, A., **Novick, J. M.** (November, 2016). Cognitive control engagement from a nonlinguistic source can ease processing along the garden path. Poster presented at the Annual Meeting of the Psychonomic Society, Boston, Massachusetts.
36. Adler, R.*, **Novick, J. M.**, & Huang, Y. (February, 2017). Understanding the time course of context integration in verbal irony. Poster presented at the CSLI Meeting on "Bridging computational and psycholinguistic approaches to the study of meaning", Stanford, CA.
37. Huang, Y., Hsu, N.*, Gerard, J.*, Leonard, E.***, Kowalski, A.*, & **Novick, J.M.** (March, 2017). Syntactic parsing with limited control: Effects on the kindergarten path. Poster presented at the 30th Annual CUNY Conference on Human Sentence Processing, Boston, MA.
38. Ogg, M.*, Okada, B.*, **Novick, J.M.**, & Slevc, L. (July, 2017). Musical processing relies on cognitive control. Poster presented at Society for Music Perception and Cognition Meeting, San Diego, CA.
39. **Novick, J.M.**, Hsu, N.*, & Kim, A.E. (November, 2017). Dynamic cognitive control engagement modulates conflict resolution during real-time language processing: An ERP study. Poster presented at the 58th Annual Meeting of the Psychonomic Society, Vancouver, BC.
40. **Novick, J.M.**, Hsu, N.*, & Kim, A.E. (March, 2018). P600 vs. N400 indicators of comprehension: Dynamic effects of cognitive-control engagement on real-time parsing. Poster presented at 31st Annual CUNY Conference on Human Sentence Processing, Davis, CA.
41. Ovans, Z.*, **Novick, J.M.**, & Huang, Y. (March, 2018). Better to be reliable than early: Cognitive-control effects on developmental parsing. Poster presented at 31st Annual CUNY Conference on Human Sentence Processing, Davis, CA.
42. Ovans, Z.*, **Novick, J.M.**, & Huang, Y. (November, 2018). Rely on what's reliable: Effects of cognitive-control engagement on children's sentence comprehension. Poster presented at the 59th Annual Meeting of the Psychonomic Society, New Orleans, LA.
43. Ovans, Z.*, **Novick, J.M.**, & Huang, Y. (November, 2018). Better to be reliable than early: Cognitive-control effects on developmental parsing. Poster presented at 43rd Boston University Conference on Language Development, Boston, MA.
44. Hsu, N.S.*, Kuchinsky, S., & **Novick, J. M.** (March, 2019). A causal influence of domain-general cognitive control on sentence comprehension. Poster presented at the 32nd Annual CUNY Conference on Human Sentence Processing, Boulder, CO.
45. Ovans, Z.*, **Novick, J.M.**, & Kim, A.E. (November, 2019). The P600 reflects cognitive control's influence on real-time sentence processing. Poster presented at the 60th Annual Meeting of the Psychonomic Society, Montréal, Quebec.
46. Ovans, Z.*, **Novick, J.M.**, & Huang, Y. (March, 2020). Engaging cognitive control helps children ignore unreliable sentence processing cues. Poster presented at the 33rd Annual CUNY Conference on Human Sentence Processing, Amherst, MA.
47. Ovans, Z.*, Huang, Y., & **Novick, J.M.** (November, 2020). Cognitive-control engagement helps listeners use reliable cues to sentence interpretation. Poster presented at the 61st Annual Meeting of the Psychonomic Society, Austin, Texas.

II.D.4. Non-Refereed Spoken Presentations

1. **Novick, J. M.**, Thompson-Schill, S. L., & Trueswell, J. C. (March, 2004). Correlations among performance measures of parsing in reading and listening modalities. Cognitive Tea, Department of Psychology, University of Pennsylvania, Philadelphia, PA.
2. Federenko, E., Frank, M., **Novick, J. M.**, & Gibson, E. (February, 2006). Individual differences in language processing and language learning. Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, Cambridge, MA.
3. **Novick, J. M.**, & Weems, S. A. (May, 2008). Training working memory to improve language processing and comprehension. Department of Defense, Associate Directorate for Education and Training, College Park, MD.
4. Haarmann, H. J., & **Novick, J. M.** (June, 2008). Proposed workshop on divergent thinking. Department of Defense, Associate Directorate for Education and Training, College Park, MD.
5. **Novick, J. M.**, & Weems, S. A. (June, 2008). Brain fitness training. Government Communications Headquarters (United Kingdom Intelligence and Security Agency), College Park, MD.
6. **Novick, J. M.** (July, 2008). The effects of brain training on cognitive and language skills. Office of the Director of National Intelligence (head of U.S. Intelligence Community).
7. **Novick, J. M.**, Bunting, M. F., Weems, S. A., Forsyth, B., & Dougherty, M. (September, 2008). Demonstration of a working-memory training program. Research & Engineering Expo, Department of Defense, Ft. Meade, MD.
8. **Novick, J. M.**, Harbison, J. I., & Weems, S. A. (March, 2009). Working memory training and its potential impact on language analysis. Research & Engineering Expo, Department of Defense, Ft. Meade, MD.
9. **Novick, J. M.**, & Bunting, M. F. (March, 2009). Training working memory to improve language processing and comprehension. Foreign Service Institute, Language Roundtable, Arlington, VA.
10. **Novick, J. M.** (March, 2009). The effects of brain training on cognitive and language skills. University Affiliated Research Center Oversight Board, College Park, MD.
11. Bunting, M. F., & **Novick, J. M.** (May, 2009). The effects of brain training on cognitive and language skills. Government Technical Director, Center for Advanced Study of Language, College Park, MD.
12. Haarmann, H. J., & **Novick, J. M.** (October, 2009). Cognitive neuroscience: Overview and Divergent Thinking. "Language Day", Department of Defense, Ft. Meade, MD.
13. **Novick, J. M.**, & Weems, S. A. (December, 2009). Working memory training. Research & Engineering, Department of Defense, Ft. Meade, MD.
14. Haarmann, H. J., **Novick, J. M.**, Danks, J., & Brecht, R. (February, 2010). Transforming Analysis through Cognitive Neuroscience. Presentation to Foreign Language Program Office, Department of Defense, College Park, MD.
15. Bunting, M. F., & **Novick, J. M.** (March, 2010). The effects of brain training on cognitive and language skills. National Counter-proliferation Center, McLean, VA.
16. **Novick, J. M.**, Harbison, J. I., & Bunting, M. F. (March, 2010). Training working memory improves language processing and comprehension: Preliminary results. Foreign Service Institute, Language Roundtable, Arlington, VA.
17. **Novick, J. M.** (July, 2010). Working memory training clears the garden-path. U.S. Army, College Park, MD.
18. **Novick, J. M.** (October, 2011). Cognitive training for language learning and performance. Language Research Summit, College Park, MD.
19. **Novick, J. M.** (May, 2012). The bilingual advantage in cognitive control. Enlighten, Language Science for National Security, College Park, MD.
20. **Novick, J. M.**, & O'Rourke, P. (August, 2013). Accelerating Language Acquisition through Cognitive Control. Department of Defense, Language Research Series, Ft. Meade, MD.

II.D.5. Non-Refereed Workshop Papers

1. Hussey, E. K.*, Teubner-Rhodes, S.*, Dougherty, M. R., Bunting, M. F., & **Novick, J. M.** (August, 2011). Clearing the garden-path: Improving sentence processing through executive control training. Paper presented at the International Workshop of Cognitive and Working Memory Training, College Park, MD.

II.D.6. Non-Refereed Panels

1. How to Get into Graduate School (April, 2004). Institute for Research in Cognitive Science, University of Pennsylvania.
2. Data Stewardship (January, 2015). Language Science NRT Winter Storm Panel, University of Maryland, College Park.

II.D.7. Invited Symposia

1. **Novick, J. M.**, Trueswell, J. C., & Thompson-Schill, S. L. (November, 2004). Using Eye-Tracking to Study Spoken Language Processing: Theoretical and Clinical Implications. Symposium at the Convention for the American Speech-Language Hearing Association, Philadelphia, PA.
2. Trueswell, J. C., **Novick, J. M.**, & Choi, Y. (October, 2009). The role of cognitive control in the development of children's sentence parsing abilities. Special symposium on the interplay between language development and cognitive control processes, Cognitive Developmental Society, VI Biennial Meeting, San Antonio, TX.
3. **Novick, J. M.**, Teubner-Rhodes, S.*, Hussey, E.*, Thompson-Schill, S. L., & Trueswell, J. C. (November, 2013). The bilingual advantage in cognitive control and parsing: Can we train monolinguals to achieve similar benefits? Symposium on Experience-Induced Plasticity: Evidence from Bilingualism, 54th Annual Meeting of the Psychonomic Society, Toronto, Canada.
4. Kan, I. P., Teubner-Rhodes, S.*, Drummey, A. B.*, & **Novick, J. M.** (May, 2014). To adapt or not to adapt: The question of domain-general cognitive control. Symposium on Bounded Generality of Cognitive Control: Congruence-Sequence Effects across Stimulus, Response, and Task Dimensions, Association for Psychological Science, San Francisco, CA.
5. **Novick, J. M.**, Hsu, N.*, Hussey, E.*, Teubner-Rhodes, S.*, & Kan, I. P. (May, 2016). Cognitive control and language processing: Evidence for a causal connection. Symposium on Cognitive control and language processing in bilinguals and monolinguals, International Meeting of the Psychonomic Society, Grenada, Spain.
6. **Novick, J.M.** (May, 2018). Effects of cognitive control on real-time sentence comprehension. Symposium on Mechanisms and Boundaries of Cognitive Control, Association for Psychological Science, San Francisco, CA.

II.D.8. Workshops

1. Sloggett, S.**, Teubner-Rhodes, S.*, & **Novick, J. M.** (September, 2010). Eye-tracking workshop. Second Language Research Forum, College Park, MD.
2. Hsu, N.*, Jaeggi, S., & **Novick, J. M.** (February, 2013). Machine learning of brain activity: predicting cognitive plasticity across memory and language domains. Workshop on Working-Memory Training, College Park, MD.
3. Hussey, E.*, Teubner-Rhodes, S.*, Mishler, A.**, Harbison, J. I., & **Novick, J. M.** (February, 2013). Malleability of cognitive control and its effects on language processing. Workshop on Working-Memory Training, College Park, MD.

II.D.9. Invited Colloquia

1. **Novick, J. M.** (2003). What do eye movements tell us about spoken language comprehension? Institute for Research in Cognitive Science Undergraduate Summer Workshop, University of Pennsylvania.

2. **Novick, J. M.** (2005). The role of the LIFG and cognitive control in sentence comprehension. Psychology Department, Rice University.
3. **Novick, J. M.** (2006). Taking a glance at sentence processing: Comparing eye-movements in healthy adults and patients with damage to Broca's area. Psychology Department, Swarthmore College.
4. **Novick, J. M.** (2007). Cognitive control and parsing: A new view of Broca's area? Psychology Department, Skidmore College.
5. **Novick, J. M.** (2007). A peek at parsing in patients: Eye-movements in healthy adults, patients with brain lesions, and frogs. University of Maryland, Center for Advanced Study of Language.
6. **Novick, J. M.** (2008). Taking a glance at sentence processing: Eye-movement evidence from healthy adults, patients with brain lesions, and frogs. Department of Neuroscience & Center for Aphasia Research, Georgetown University.
7. **Novick, J. M.** (2010). A peek at parsing in patients: Broca's area, language processing, and the cognitive-control connection. Language Science IGERT Winter Storm Colloquium, University of Maryland, College Park.
8. **Novick, J. M.** (2011). Broca's area, language processing, and working-memory training: Evidence for the cognitive-control connection. Department of Basic Psychology, University of Barcelona, Spain.
9. **Novick, J. M.** (2012). Broca's area and language processing: Evidence for the cognitive-control connection. Department of Hearing and Speech Sciences, University of Maryland, College Park.
10. **Novick, J. M.** (2014). Cognitive-control and language processing: Causal evidence from monolinguals and bilinguals. Language Science IGERT Winter Storm Colloquium, University of Maryland, College Park.
11. **Novick, J. M.** (2014). Broca's area, language processing, and the benefits of cognitive control training. Psychology Department, Villanova University.
12. **Novick, J. M.** (2016). Cognitive control and language processing: Evidence for a causal connection. Department of Human Development and Quantitative Methodology, University of Maryland, College Park.
13. **Novick, J. M.** (2017). Tending the garden-path: How cognitive-control engagement facilitates real-time sentence revision. Departments of Linguistics and Psychology, University of Pennsylvania, Philadelphia, PA.
14. **Novick, J. M.** (2020). Direct impact of cognitive control on sentence processing and comprehension: The importance of cognitive states vs. traits. Language and Brain Interest Group, University of Florida, Gainesville, FL (via Zoom).
15. **Novick, J. M.** (upcoming 2021). Direct impact of cognitive control on sentence processing and comprehension: The importance of cognitive states vs. traits. Linguistics Colloquium, University College London, in association with University of Cambridge and University of Edinburgh (via Zoom).

II.E. Professional and Extension Publications

II.E.1. Reports and Non-Refereed Monographs

1. Bunting, M. F., Dougherty, M. R., **Novick, J. M.**, Weems, S. A. & Forsyth, B. H. (2008). Technical Report. Research Design and Execution of Working Memory Training. Department of Defense.
2. **Novick, J. M.**, Bunting, M. F., & Weems, S. A. (2008). Technical Report: Presentation materials for Independent Review. Department of Defense.
3. Haarmann, H. J., George, T. G.*, Smaliy, A., Grunewald, K.**, & **Novick, J. M.** (2008). Technical Report. A method for quickly increasing alpha brain waves through neurofeedback: Implications for divergent thinking and creative problem solving. Department of Defense.

4. **Novick, J. M.**, Clarady, C. K., Harbison, J. I., Reggia, J. A., Sylvester, J., Weems, S., Dougherty, M. R., & Bunting, M. F. (2009). Interim Technical Report. The effects of working memory training on cognitive and language skills. Department of Defense.
5. Clarady, C. K., Bunting, M. F., **Novick, J. M.**, Atkins, S.*, Dougherty, M. R., & Forsyth, B. H. (2009). Technical Report. Working memory training for foreign language practitioners. Department of Defense.
6. Harbison, J. I., Bunting, M. F., **Novick, J. M.**, Weems, S. A., Dougherty, M. R., Atkins, S.*, Hussey, E. K.*, Teubner-Rhodes, S.*, Chrabaszcz, J.*, Smaliy, A., Clarady, C. K., & Corbett, R. P.** (2009). Technical Report. Assessing the effects of working memory training on cognitive functioning: A preliminary analysis of training-related gains in performance. Department of Defense.
7. Haarmann, H. J., George, T. G.*, Dien, J., Chrabaszcz, J.*, Smaliy, A., Freynik, S.*, & **Novick, J. M.** (2009). Technical Report. Right-brain alpha neurofeedback improves verbal creative problem solving. Department of Defense.
8. **Novick, J. M.**, George, T. G.*, Chrabaszcz, J.*, Smaliy, A., Clausner, T., & Haarmann, H. J. (2009). Technical Report. Evaluating brief cognitive intervention techniques for improving divergent thinking: Considerations on how to solve problems in creative ways. Department of Defense.
9. Smaliy, A., George, T. G.*, Chrabaszcz, J.*, Freynik, S.*, Dien, J., Haarmann, H. J., & **Novick, J. M.** (2010). Technical Report. Effects of word association and gender on divergent thinking. Department of Defense.
10. Atkins, S. M.*, Dougherty, M. R., Harbison, J. I., **Novick, J. M.**, Weems, S. A., & Bunting, M. F. (2010). Technical Report. Persistence and transferability of working memory training over time. Department of Defense.
11. **Novick, J. M.**, Hussey, E.*, Teubner-Rhodes, S.*, Harbison, J. I., Bunting, M. F., Weems, S. A., Dougherty, M. R., Atkins, S.*, Chrabaszcz, J.*, Smaliy, A., Clarady, C. K., & Corbett, R. P.* (2010). Technical Report. Executive function training improves readers' ability to resolve ambiguity. Department of Defense.
12. Bunting, M. F., **Novick, J. M.**, Dougherty, M. R., Harbison, J. I., Weems, S. A., Atkins, S.*, Hussey, E. K.*, Teubner-Rhodes, S.*, Chrabaszcz, J.*, Smaliy, A., Clarady, C. K., Corbett, R.*, & Forsyth, B. (2010). Technical Report. Assessing the effects of cognitive training: Improving individuals' ability to reason, remember, and resolve sentence ambiguity. Department of Defense.
13. **Novick, J. M.**, Blok, S., Berens, M., Cook, J., & Haarmann, H. J. (2011). Technical report: An evidence-based course for improving divergent thinking. Training cognitive strategies. Department of Defense.
14. Mishler, A.***, Teubner-Rhodes, S.*, Corbett, R.***, & **Novick, J. M.** (2011). Interim Technical Report: The bilingual advantage. Does learning a second language improve working memory? Department of Defense.
15. Dougherty M. R., Bolger, D. J., Slevc, L. R., Atkins, S.*, Shell, A.*, Harbison, J. I., Bunting, M. F., & **Novick, J. M.** (2011). Technical Report. Contributions from implicit and explicit processes to second-language learning. Department of Defense.
16. Chrabaszcz, J.*, Weems, S., Matzen, L., Harbison, J. I., **Novick, J. M.**, & Bunting, M. F. (2012). Interim Technical Report. The effects of working memory training on long-term memory performance: Assessing changes to brain and behavior. Department of Defense.
17. Hussey, E. K.* & **Novick, J. M.** (2012). Technical Report. The benefits of executive control training: A perspective on the implications for language processing. Department of Defense.
18. Teubner-Rhodes, S.*, Mishler, A.***, Corbett, R.***, Andreu, L., Sanz-Torrent, M., Trueswell, J. C., & **Novick, J. M.** (2012). Technical Report. Does learning a second language improve cognitive control and language processing? Department of Defense.

19. **Novick, J. M.**, Hussey, E.*, Teubner-Rhodes, S.*, Harbison, J. I., & Mishler, A.** (2013). Technical Report. Memory and language improvements following cognitive control training. Department of Defense.
20. **Novick, J. M.**, Huang, Y., Kowalski, A.*, Gerard, J.*, Hsu, N.*, Bushkuehl, M., & Jaeggi, S. M. (2013). Interim Technical Report. Cognitive development and language understanding in young children: Goals for education and intervention. Department of Defense.
21. Hsu, N.*, Jaeggi, S. M., & **Novick, J. M.** (2013). Technical Report. Neural markers of cognitive control: Is there a common neurobiological profile for information-conflict in memory and language? Department of Defense.
22. Teubner-Rhodes, S.*, Bolger, D. J., & **Novick, J. M.** (2013). Technical Report. The “bilingual advantage”: How does speaking two languages affect cognitive control and the brain systems that support it? Department of Defense.
23. Saner, L., O’Rourke, P., **Novick, J. M.**, Jackson, S., Clark, M., Burns, W., Doughty, C. J., & Haarmann, H. J. (2014). Technical Report. Cognitive Readiness Recommendations for Training to Improve Cyber Course Outcomes. Department of Defense.
24. Adler, R. A.*, Shell, A. R.*, Valdes Kroff, J., Slevc, L. R., & **Novick, J. M.** (2015). Technical Report. Cognitive control in second-language learning: Insights from language switching and vocabulary learning studies. Department of Defense.
25. Kuchinsky, S. E, Hsu, N. S.*, Pandza, N. B.*, Brown, N. T.**, Romberg, A. R., Karuzis, V. P., Haarmann, H. J., & **Novick, J. M.** (2015). Technical Report. Neuroimaging approaches to cognitive readiness. Department of Defense.

II.E.2. Non-Refereed Journal Articles

1. Haarmann, H. J. & **Novick, J. M.** (2009). Thinking out of the box through cognitive neuroscience. *The Next Wave: Review of Emerging Technologies*, 18(1), 14-19.
2. **Novick, J. M.**, Bunting, M. F., Dougherty, M. R., Harbison, J. I., & Weems, S. A. (2009). A working memory workout for language practitioners. *The Next Wave: Review of Emerging Technologies*, 18(1), 6-13.

II.F. Sponsored Research and Programs

II.F.1. External Grants

Current

1. Title: Direct impacts of executive functions on language comprehension: Evidence from eye movements and electrophysiology
Source: National Science Foundation (BCS), #2020932
Total Costs: \$405,348 (Direct: \$262,361)
Time Period: 09/01/20 – 08/31/23
Role: PI

Completed

2. Title: Robust Cognition through Brain Plasticity Training
Source: Office of Naval Research, #N000141010605
Direct Costs: \$749,233
Time Period: 04/2010 – 04/2013
Role: Co-PI (PI, Michael Dougherty)
3. Title: Dynamic behavioral and neural effects of cognitive control on language processing
Source: National Institutes of Health (F32, NRSA Award)
Direct Costs: \$178,534
Time Period: 10/01/14 – 09/30/17
Role: Sponsoring Scientist and Co-PI (for Nina Hsu, Postdoctoral Fellow)

II.F.2. Internal Grants

1. Title: Recovering from the kindergarten path: Effects of cognitive training on children's real-time language processing
Source: University of Maryland Dean's Research Initiative Grant
Total Amount Awarded: \$20,000
Time Period: 06/04/2013 – 06/30/2014
Role: PI (Co-PI, Yi Ting Huang)
2. Title: Effects of cognitive control on children's language comprehension: Separating correlation from causation
Source: The Graduate School, University of Maryland, Research and Scholarship Award
Total Amount Awarded: \$9,000
Time Period: 06/2017 – 08/2017
Role: PI

II.F.3. Contracts

1. Title: Effects of brain training on cognitive and language skills
Source: Department of Defense
Total Amount Awarded: \$882,110
Time Period: 09/01/07 – 02/19/2010
Role: Co-PI (PI, Michael Bunting)
2. Title: Cognitive and Working Memory Training
Source: Department of Defense
Total Amount Awarded: \$2,967,297
Award Period Covered: 02/19/10 – 01/10/14
Role: PI (Co-PI, Michael Bunting)
3. Title: Cognitive Readiness for Language Analysis
Source: Department of Defense
Total Amount Awarded: \$2,000,000
Time Period: 11/1/13 – 10/31/15
Role: PI (Co-PIs: Henk Haarmann, Stefanie Kuchinsky)

II.G. Centers for Research, Scholarship, and Creative Activities

II.G.1. Symposia Organized (*through center*)

1. **Novick, J. M.**, & Bunting, M. F. (August, 2011). International Workshop on Cognitive and Working Memory Training, Center for Advanced Study of Language, College Park, MD.
2. Bunting, M. F., & **Novick, J. M.** (August, 2013). "Languages for All" Symposium, Department of Defense and Center for Advanced Study of Language, College Park, MD.

II.H. Research Fellowships, Prizes and Awards

1. National Science Foundation Graduate Research Fellowship Honorable Mention (2000)
2. Voted among 10 best talks, CUNY Human Sentence Processing Conference (2002)
3. "Researcher on the Rise", Center for Advanced Study of Language (2008)
4. Best Research Project, Cognitive Training, Center for Advanced Study of Language (2008)
5. Research Development Award, Center for Advanced Study of Language (2009)
6. Nominee, Presidential Early Career Award for Scientists and Engineers (2012)

III. Teaching, Extension, Mentoring, and Advising

III.A. Courses Taught

1. Undergraduate
HESP 300: Introduction to Psycholinguistics
Spring 2014 48 students
Fall 2014 49 students

Fall 2015	47 students
Fall 2016	36 students
Spring 2017	44 students
Fall 2017	33 students
Fall 2018	26 students
Fall 2019	45 students
Fall 2020	37 students

HESP 214: Should I Buy Into That? Comparing Media Claims with Scientific Evidence from Brain and Behavior Research

Fall 2018	44 students
Spring 2019	45 students
Fall 2019	44 students
Spring 2020	44 students
Fall 2020	40 students
Spring 2021	45 students

HESP 499 or 469 (Honors): Topics in Hearing and Speech Sciences

Spring 2015	2 students
Fall 2015	2 students
Spring 2016	3 students
Fall 2016	1 student
Spring 2017	2 students
Fall 2017	1 student
Spring 2018	1 student
Fall 2020	3 students
Spring 2021	4 students

HONR 279Y: Honors Seminar in Language and Thought

Spring 2015	13 students
Spring 2018	17 students
Spring 2020	19 students

HESP 468H: Professional Development in Research and Academia

Fall 2020	5 students
Spring 2021	5 students

2. Graduate

HESP 818C: Seminar in Language Processing

Fall 2012	15 students
Spring 2016	5 students
Spring 2019	8 students (plus 1 unofficial auditor)
Spring 2021	23 student participants (and 4 faculty attendees)

III.B. Teaching Innovations

III.B.1. Instructional Workshops and Seminars Established

1. Ph.D. Professional Development Series (2014 - 2018; with Yi Ting Huang)
Role: Organize, coordinate, and facilitate monthly seminar for doctoral students in HESP.
2. Proseminar in Clinical Issues (2014 - 2018; with Yi Ting Huang)

Role: Co-developer. Organize, coordinate, and facilitate monthly seminar for HESP Ph.D. students that provides information about translational and applied issues within hearing and speech sciences.

3. Lead Faculty Fellow for University Honors (2020 -)

Role: Develop for UH a multidisciplinary curriculum comprised of clusters of thematically related courses taught by "Faculty Fellows" from departments across campus and Assistant Clinical Professors based in UH. Each cluster of courses consists of a group of several thematically related, non-sequential, 3-credit courses. At the heart of each cluster is an I-Series course taught by the cluster's Lead Faculty Fellow. Each I-Series course will explore a "big" question of contemporary and enduring significance and will accommodate 60 UH students. Set by its Lead Faculty Fellow, the theme of each cluster can be engaged from multiple disciplinary perspectives, and the other seminars in the cluster do precisely that.

III.B.2. Course or Curriculum Development

1. HESP 214. Should I Buy Into That?: Comparing Media and Commercial Headlines with Scientific Evidence from Brain & Behavior Research (conceptualized and designed new General Education course for I-Series; approved by UMD Fall 2017)
2. HONR 279Y. Language and Thought: Insights from Brain Damage, Neuroimaging, & Bilingualism (new course developed for and adopted by UMD Honors College, 2015; meets General Education Natural Science requirement)
3. HESP 818C. Seminar in Language Processing: The interplay between general-purpose cognitive systems and language processing (new course 2012 and 2016)
4. HESP 468H: Professional Development in Research and Academia. Co-created (with Matt Goupell) a 1-cr seminar for HESP honors students to discuss topics such as general research practices, including writing and oral presentations, and also professional issues--information that would be helpful for these students in their future careers, such as applying to graduate school. This is a 3-semester sequence.
5. HONR 278A

III.B.3. Manuals, Notes, Software, Webpages, and Other Contributions to Teaching

1. Developed extensive websites on ELMS: HESP 214, HESP 300, and HONR 279Y

III.C. Advising: Research

III.C.1. Undergraduate

University of Pennsylvania – Undergraduate Research Assistants Mentored

1. Ryan Matthews (2001 - 2002)
2. Brent Kramer (2001 - 2002)
3. J. Benjamin Hutchinson (2003 - 2004)

MIT and Wellesley College – Undergraduate Research Assistants Mentored

1. Anna Schapiro (Summer, 2006)
2. Brittany Clarke (2006 - 2007)

University of Maryland

Undergraduate Honors Theses – Directed or Co-Directed

1. Elinora Leonard (2015 - 2017)
2. Julie Knorr (2016 - 2018)

Undergraduate Honors Theses – Committee Member

1. Kristen Grunewald (2009 - 2010)
2. Kayla Velnoskey (2011 - 2013)
3. Ashley Thomas (2015 - 2016)
4. Brooke Rothman (2016 - 2017)
5. Tiara Booth (2016 - 2017)
6. Hannah Sichel (2016 - 2017)
7. Rebecca Goodridge (2017 - 2018)
8. Jenna Nelson (2018 - 2019)
9. Rebecca Higgins (2019)
10. Alissa Cole (2019)
11. Marina Cox (2020)

Undergraduate Research Assistants Mentored

1. Connor MacLaren (2013)
2. Ashley Thomas (2015)
3. Rebecca Newkirk (2015 - 2016)
4. Emory D'Andrea (2015 - 2016)
5. Nicole Grap (2015 - 2016)
6. Brooke Rothman (2015 - 2016)
7. Margaret Kelley (2015 - 2017)
8. Hannah Sichel (2015 - 2017)
9. Elinora Leonard (2015 - 2017)
10. Lauren Eisner (2016 - 2017)
11. Julie Knorr (2016 - 2018)
12. Sarah Weinstein (2017)
13. Kara Schmidt (2019 -)
14. Madison Lenhart (2021 -)

III.C.2. Master's Theses – Committee Member

1. Erin Hollister (2016)
2. Ran Li (2016 - 2017)
3. Isabel Martin (2016 - 2017)
4. Kerianna Frederick (2017 - 2018)
5. Nisha Sharma (2017 - 2018)
6. Megan Gehman (2018 - 2019)
7. Madeline Pifer (2018 - 2019)
8. Claire Crossman (2019 - 2020)
9. Sandra Guevara (2019 - 2020)
10. Svetha Mohan (2020 -)

III.C.3. Doctoral

Doctoral Dissertation Primary Advisor or Co-Advisor

1. Erika Hussey (2008 - 2013)
 “The Malleability of Cognitive Control and its Effects on Language Processing”
Awards: Ann G. Wylie Dissertation Award; Graduate School Interdisciplinary Dissertation Award; NSF IGERT Trainee Poster Competition Award; Graduate School Distinguished Service Award; NSF Graduate Research Fellowship – Honorable Mention
Placement: Post-doc, University of Illinois at Urbana-Champaign
Currently: Cognitive Scientist, US Army Natick Soldier Research, Development, and Engineering Center; Visiting Scientist, Center for Applied Brain and Cognition, Tufts University
2. Susan Teubner-Rhodes (2009 - 2014)

“The neural bases of the bilingual advantage in cognitive control: An investigation of conflict adaptation phenomena”

Awards: William Hodos Dissertation Award; Highlighted Research, NSF IGERT Annual Report

Placement: Post-doc, Medical University of South Carolina

Current: Assistant Professor of Psychology, Auburn University

3. Rachel Adler (2013 - 2018)

“Toward a psycholinguistic model of irony comprehension”

Placement: Data Scientist, Financial Industry Regulatory Authority

Current: Data Scientist, Bloomberg

4. Zoe Ovans (2016 -)

Awards: National Science Foundation Graduate Research Fellowship

5. Lauren Salig (2019 -)

Awards: University of Maryland Flagship Fellowship; Honorable Mention, NSF Graduate Research Fellowship; Fulbright Scholar

6. Zachary Maher (2020 -)

Doctoral Dissertation and/or Qualifying Exam Committee Membership

1. Giovanna Morini (HESP, 2014)

2. Alison Shell (PSYC, 2014 - present)

3. Amritha Mallikarjun (NACS, 2014 - 2020)

4. Alix Kowalski (HESP, 2014 - 2018)

5. Brooke Okada (PSYC, 2016 - 2017)

6. Buthainah M. Al Thowaini (SLA, 2016 - 2018)

7. Benjamin Rickles (NACS, 2019 - present)

8. Zachary Maher (NACS, 2019 - present)

9. Rebecca Bieber (HESP, 2018 - present)

10. Julianne Garbarino (HESP, 2018 - present)

11. Michelle Erskine (HESP, 2020 - present)

12. Nick B. Pandža (SLAA, 2020 - present)

13. Erika Exton (NACS, 2021 - present)

14. Jason Dunlap (NACS, 2021 - present)

15. Madison Buntrock (HESP, 2021 - present)

III.C.4. Post-doctoral

1. Nina Hsu (2012 - 2017)

Role: Mentor and Sponsor

Awards: NIH National Research Service Award; NSF SBE Post-doctoral Award (declined); Select Speaker Award, Psychonomic Society

Placement: NIH/NINDS Fellow, American Association for the Advancement of Science (AAAS)

Current: Health Science Policy Analyst, National Institute of Neurological Disorders and Stroke

III.D. Advising: Other than Directed Research

III.D.1. Undergraduate

Mentoring of Teaching Assistants

1. Jennifer Chisholm (Spring 2014)

2. Courtney Wallace (Spring 2014)

3. Tamar Schulman (Fall 2014)

4. Brooke Rothman (Fall 2015)

5. Ashley Thomas (Fall 2015)

6. Lauren Wilson (Fall 2016)

7. Megan Fox (Fall 2016)
8. Nicole Grap (Spring 2017)
9. Amanda Eikenes (Fall 2017)
10. Alyssa Apsley (Fall 2017)
11. Audrey Donovan (Fall 2018)
12. Michaela Ehm (Fall 2019)
13. Sarah Elazar (Fall 2019)
14. Sarah Cusick (Fall 2019)
15. Chidinma Ogbonna (Spring 2020)
16. Yomna Nassar (Fall 2020)
17. Cameron Barnes (Fall 2020)
18. Mia Randall (Fall 2020)
19. Elisa Posner (Fall 2020)
20. Robyn Toler (Spring 2021)
21. Alessandra Molina (Spring 2021)

III.D.2. Master's

Academic Advising

1. Lyana Kardanova Frantz (2014 - 2016)
2. Mariah Pranger (2014 - 2016)
3. Sarah Aylor (2015 - 2017)
4. Christine del Toro (2015 - 2017)
5. Kim Jordan (2015 - 2017)
6. Caroline Kettl (2015 - 2017)
7. Emily McCullough (2015 - 2017)
8. Catherine Penny (2015 - 2017)
9. Nicole Vaquerano (2015 - 2017)
10. Catherine Zaczek (2016 - 2018)
11. Lauren Steedman (2016 - 2018)
12. Joseph Nicol (2018 - present)
13. Kayla Dunn (2018 - present)
14. Tracy Wong (2018 - present)
15. Rebecca Willman (2019 - present)
16. Clare Corbett (2018 - present)
17. Rachel Niemann (2018 - present)

Candidacy Papers – Directed

1. Mariah Pranger (2016)
2. Christine del Toro (2017)
3. Karly Schwarz (2018)
4. Tracy Wong (2020)
5. Emily Sotzing (2020)
6. Lauren Eisner (2020)
7. Catherine Siebert (2020)
8. Joseph Nicol (2020)
9. Allison Granados, 2nd Reader (2020)
10. Rebecca Willman (2021)
11. Rachel Niemann (2021)
12. Emily Zeller (2021)
13. Clare Corbett (2021)

14. Kayla Horning (2021)
15. Elisa Rademacher (2021)

Graduate Assistants – Supervised (Research and Administrative)

1. Karly Schwarz (2016 - 2018)
2. Claire Crossman (2018 - 2020)

III.D.3. Doctoral – Member, Program Planning Committee

1. Melissa Stockbridge (2014)
2. Julianne Garbarino (2017 - present)
3. Rebecca Bieber (2018 - present)
4. Arynn Byrd (2019 - present)
5. Kathleen Oppenheimer (2019 - present)
6. Maddy Buntrock (2019 - present)
7. Erika Exton (2019 - present)
8. Jason Dunlap (2019 - present)

III.D.4. Other Advising and Mentoring Activities

1. David del Rio (Summer, 2014). Visiting Scientist from Complutense University of Madrid, Spain.
Role: Hosted summer visit to my lab, advised him on theoretical and methodological approaches to cognitive control and language processing.
2. Anne Beatty-Martinez (February, 2017). Ph.D. student visiting my lab from Penn State.
Role: Hosted two-week stay, advised her on theoretical and methodological approaches to bilingual language control.
3. Alison Robey, Ph.D., Research Assistant Professor in PSYC (Summer 2018 - present). Teaching mentor through several semesters to develop HESP 214 for Freshman Connection, including its online delivery during the COVID-19 pandemic.
4. American Speech-Language-Hearing Association MARC Mentoring Program (2019 - present). Mentored junior faculty in the field about writing and publishing.
5. BSOS “Buddies” Mentoring Program, initiated by the DGSAC Mental Health Committee (2020 - present). Mentor PhD students in BSOS outside HESP/NACS (e.g., ECON) on navigating graduate school, work-life balance, and anxiety and stress particularly during the COVID-19 pandemic.

III.E. Professional and Extension Education

III.E.1. Guest Lectures

1. Psycholinguistics Graduate Seminar, Brain and Cognitive Sciences, MIT (2006)
2. Cognitive Psychology Graduate Seminar, Psychology, UMD (2008 - 2010)
3. Second Language Acquisition Graduate Seminar, SLA, UMD (2011)
4. Research Methods Graduate Seminar, SLA, Georgetown (2011)
5. Brain and Language Graduate Seminar, Neuroscience, Georgetown (2012 - 2018)
6. Johns Hopkins University Osher Neuroscience Program (2019)

III.F. Teaching Awards or Other Special Recognition

1. Nominee, Women in Cognitive Science Mentorship Award, “for scientists who have demonstrated sustained, effective mentorship of female students.” (2014)
2. Excellence in Teaching Award, College of Behavioral and Social Sciences, University of Maryland, “for faculty members who have made distinctive contributions to classroom instruction within the College. These individuals represent the finest examples of scholar-teachers.” (2018)

IV. Service and Outreach

IV.A. Editorships, Editorial Boards, and Reviewing Activities

IV.A.1. Reviewing Activities for Journals and Presses

1. *Acta Psychologica*
2. *American Journal of Speech-Language Pathology*
3. *Bilingualism: Language and Cognition*
4. *Brain and Language*
5. *Cognition*
6. *Cognitive Neuropsychology*
7. *Cortex*
8. *Developmental Psychology*
9. *Developmental Science*
10. *Human Brain Mapping*
11. *Journal of Cognitive Neuroscience*
12. *Journal of Experimental Child Psychology*
13. *Journal of Experimental Psychology: General*
14. *Journal of Experimental Psychology: Learning, Memory, and Cognition*
15. *Journal of Memory and Language*
16. *Journal of Neuroscience*
17. *Language and Cognitive Processes*
18. *Language Learning*
19. *Language, Learning and Development*
20. *Language and Linguistics Compass*
21. *Memory and Cognition*
22. *NeuroImage*
23. *Neuropsychologia*
24. *NeuroReport*
25. *Proceedings of the Cognitive Science Society*
26. *Proceedings of the National Academy of Sciences of the United States of America (ad hoc action editor, invited by Michael Gazzaniga)*
27. *Psychological Science*
28. *Royal Society Open Science*
29. *Thinking & Reasoning*

IV.A.2. Reviewing Activities for Agencies and Foundations

1. NSF, CAREER Award (2012 - 2013)
2. Israel Science Foundation (2014)
3. NSF, Doctoral Dissertation Research Improvement - Linguistics Program (2018)
4. NSF, Division of Behavioral and Cognitive Sciences, Perception, Action, & Cognition Program (2020)

IV.A.3. Reviewing Activities for Conferences

1. Cognitive Science Society
2. CUNY Conference on Human Sentence Processing (annually since 2006)
3. Cognitive Neuroscience Society Annual Meeting
4. Architectures and Mechanisms for Language Processing
5. Society for Neurobiology of Language Conference

IV.A.4. Reviewing Activities for Publishers

1. Sinauer Associates, Chapter Reviewer for 2nd Edition of Sedivy's *Language in Mind*. (2017)

2. Oxford University Press, Test Bank Reviewer for 2nd Edition of *Language in Mind*. (2018)

IV.B. Committees, Professional & Campus Service

IV.B.1. Campus Service – Department, Programs, and Centers

Department of Hearing and Speech Sciences (HESP)

1. HESP Ph.D. Admissions (2014 - present)
2. Executive/Faculty Affairs Committee, as Co-Director of HESP Ph.D. Program (2014 - present)
3. Faculty Search Committee for Professor in HESP and Associate Director of Maryland Language Science Center; hired Jan Edwards (2015)
4. Co-Coordinator, HESP Ph.D. Student Orientation (2014 - present)
5. HESP-Fest, Ph.D. Recruitment Event (2015 - present)
Roles: Co-Organizer & -Developer, Co-Advisor to graduate-student coordinators
6. Comprehensive Exam Re-Evaluation Committee for HESP Ph.D. Program (2018)
7. Committee for HESP Chair Evaluation and Term Renewal (2018)
8. Committee on Programs, Curricula and Courses (PCC) (2018 -)
9. Diversity Subcommittee on Increasing Diversity in Courses (2019 -)

Program in Neuroscience and Cognitive Science (NACS)

1. NACS Colloquium Series Committee (2014 - present)

Maryland Language Science Center (LSC)

1. Faculty Advisor, Graduate Student Winter Storm Planning Committee, UMD Language Science Center (2017)

Center for Advanced Study of Language (CASL)

1. Merit Review Committee (2008 - 2009)
2. Faculty Search Committee, Cognitive Neuroscience (2007 - 2008)
3. Faculty Search Committee, Second Language Acquisition (2008 - 2009)
4. Chair, Faculty Search Committee, Cognitive Neuroscience (2008 - 2009)
5. Lab Technician Search Committee, Cognitive Neuroscience (2010)
6. Assistant Director of Information Technology Search Committee (2010)
7. Shared Laboratory Development Committee with PSYC (2012)
8. Faculty Search Committee, fMRI Scientist (2012 - 2013)
9. Director, CASL Undergraduate Summer Scholars Program in Language Science (2015 - 2016)

IV.B.2. Campus Service – University

1. Reviewer, Maryland ADVANCE Seed Grant Program (2012)
2. University Senate (2014 - 2019)

IV.B.3. Leadership Roles in Meetings and Conferences (Service to the Field and Discipline)

1. Action Editor and Co-Chair, Program Committee for Cognitive Science Society (2016, 2017)
2. Program Committee, CUNY Conference on Human Sentence Processing (2017, 2018)
3. Session Chair, CUNY Conference on Human Sentence Processing (2019)
4. Grant Panelist: Served on NSF advisory panel for the Social, Behavioral and Economic Sciences (SBE) Directorate (2020-2021)

IV.C. External Service and Consulting

IV.C.1. Consultancies

1. Research & Development Consultant, Educational Testing Service, Princeton, NJ (2005)
2. Expert Consultant and Mentor for AP Psychology Research, Eleanor Roosevelt High School, Greenbelt, MD (2018)

IV.D. Non-Research Presentations

IV.D.1. Outreach Presentations

1. Language Science Outreach, Northwood High School, Silver Spring, MD (2016)

IV.E. Service Awards and Honors

1. Top Reviewer, *Brain and Language*, for exceptional contribution to journal quality (2009)