

Christian A. Navarro-Torres, Ph.D.

navarro.torresc@gmail.com

LANGUAGES

Spanish (native)

English (native)

German (B1)

Education

- 2021 **Ph.D. Language Science**, University of California, Irvine
- 2016 **M.S. Cognitive Psychology**, Pennsylvania State University
- 2011 **B.A. Philosophy**, University of Puerto Rico, Rio Piedras

Professional Experience

- 2026-pres Scientific Consultant | NIH SBIR Grant Development
- 2024-pres Co-founder | CIRS Lab LLC
- 2024-pres Medical Research Consultant | Einstein Mission
- 2024-25 Consultant | MoldCo
- 2023 Postdoctoral Fellow | Neuroscience of Language Program, Georgetown University
- 2021-22 Postdoctoral Fellow | Psychology of Language Lab, Princeton University
- 2013-14 Research Technologist | Center for Language Science, The Pennsylvania State University
- 2011-13 Lab Manager | UConn Child Language Lab, University of Connecticut

Publications

- Navarro-Torres, C. A., & DiTulio, M. (*in prep*). Chronic Inflammatory Response Syndrome (CIRS) as a lens to understand the relationship between exposure to endotoxins, cutaneous actinobacteria, and microglia activation.
- DiTulio, M., & Navarro-Torres, C. A. (*under review*). Eradication of Multiple Antibiotic-Resistant Coagulase Negative staph (MARCoNs) in the nasal cavities is selectively associated with restoration of alpha-Melanocyte Stimulating Hormone (MSH) in patients suffering from Chronic Inflammatory Response Syndrome (CIRS). *Frontiers in Endocrinology*.
- Takahesu Tabori, A., Navarro-Torres, C. A., Wu, D., & Kroll, J. F. (*under review*). Investigating the relationship between domain-general cognitive control and lexical access in bilingual heritage speakers of Spanish. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.
- Beatty-Martínez, A. L., Navarro-Torres, C. A., & Fricke, M. (2024). When jugglers learn to tango: Switching between languages and disciplines. In Dussias, P. E. & Rosenbaum, D. A. (Eds.) (2024). *Two Languages, One Mind: A Festschrift for Judith F. Kroll*. To appear as a special issue of *The American Journal of Psychology*. doi: [10.5406/19398298.137.2.09](https://doi.org/10.5406/19398298.137.2.09)
- Navarro-Torres, C. A., Dussias, P. E., & Kroll, J. F. (2022). When Exceptions Matter: Bilinguals regulate their dominant language to exploit structural constraints. *Language, Cognition and Neuroscience*. doi: [10.1080/23273798.2022.2105915](https://doi.org/10.1080/23273798.2022.2105915)
- Navarro-Torres, C. A., Beatty-Martínez, A. L., Kroll, J. F., & Green, D. W. (2021). Research on bilingualism as discovery science. *Brain and Language*, 222, 105014. doi: [10.1016/j.bandl.2021.105014](https://doi.org/10.1016/j.bandl.2021.105014)
- Hoshino, N., Beatty-Martínez, A. L., Navarro-Torres, C. A., & Kroll, J. F. (2021). Do Cross-Language Script Differences Enable Bilinguals to Function Selectively When Speaking in One Language Alone?. *Frontiers in Communication*, 6, 119. doi: [10.3389/fcomm.2021.668381](https://doi.org/10.3389/fcomm.2021.668381)
- Kroll, J. F., Takahesu Tabori, A., & Navarro-Torres, C. A., (2021). Capturing the variation in language experience to understand language processing and learning. In *Language, Interaction and Acquisition* (Vol. 12, Issue 1, pp. 82–109). John Benjamins. doi: [10.1075/lia.20018.kro](https://doi.org/10.1075/lia.20018.kro)

- Beatty-Martínez, A. L., **Navarro-Torres, C. A.**, & Dussias, P. E. (2020). Codeswitching: A bilingual toolkit for opportunistic speech planning. In J. Treffers-Daller, E. Ruigendijk, & J. E. Hofweber, (Eds.), Behavioral and Neurophysiological Approaches to Code-Switching and Language Switching [Special Issue]. *Frontiers in Psychology*, 11:1699. doi: [10.3389/fpsyg.2020.01699](https://doi.org/10.3389/fpsyg.2020.01699)
- Beatty-Martínez, A. L., **Navarro-Torres, C. A.**, Dussias, P. E., Bajo, T. Guzzardo Tamargo, R. E., & Kroll, J. F. (2020). Interactional context mediates the consequences of bilingualism for language and cognition. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. doi: [10.1037/xlm0000770](https://doi.org/10.1037/xlm0000770)
- Kroll, J. F. & **Navarro-Torres, C. A.** (2020). Bilingualism. In *Stevens' Handbook of Experimental Psychology and Cognitive Neuroscience*, J. T. Wixted (Ed.). doi: [10.1002/9781119170174.epcn307](https://doi.org/10.1002/9781119170174.epcn307)
- Navarro-Torres, C. A.**, Garcia, D. L., Chidambaram, V., & Kroll, J. F. (2019). Cognitive Control Facilitates Attentional Disengagement during Second Language Comprehension. *Brain sciences*, 9(5), 95. doi: [10.3390/brainsci9050095](https://doi.org/10.3390/brainsci9050095)
- Fricke, M., Zirnstein, M., **Navarro-Torres, C. A.**, & Kroll, J. F. (2019). Bilingualism reveals fundamental variation in language processing. *Bilingualism: Language and Cognition*, 22(1), 200-207. doi: [10.1017/S1366728918000482](https://doi.org/10.1017/S1366728918000482)
- Zhang, H., Eppes, A., Beatty-Martínez, A. L., **Navarro-Torres, C. A.**, & Diaz, M. T. (2018). Task difficulty modulates brain-behavior correlations in language production and cognitive control: Behavioral and fMRI evidence from a phonological Go-NoGo picture naming paradigm. *Cognitive, Affective, and Behavioral Neuroscience*, 18, 964-981. doi: [10.3758/s13415-018-0616-2](https://doi.org/10.3758/s13415-018-0616-2)
- Weiss, D. J., Bulgarelli, F., **Navarro-Torres, C.**, & Morales, J. (2017). Translating research to practice in the language sciences. *Translational issues in psychological science*, 3(1), 1. doi: [10.1037%2Ftps0000107](https://doi.org/10.1037%2Ftps0000107)

Research Grants & Funding

National Institutes of Health Ruth L. Kirschstein National Research Service Award

Engaging cognition during bilingual language processing (F31HD098783; \$79k)

National Science Foundation Doctoral Dissertation Research Grant

Catching the cognitive consequences of bilingual language processing on the fly (BCS – 1946051; \$19k)

National Institutes of Health and Human Services

Diversity supplement to: Language Development and Outcome in Children with Autism (3R01DC007428-07S2; \$37k)

National Science Foundation Graduate Research Fellowship Program

When exceptions matter: Examining structural constraints in bilingual language processing (\$100k)

American Psychological Association

Dissertation Research Award (\$1k)

National Science Foundation Partnerships for International Research & Education Fellowship

Research & Travel award (\$4k)

Presentations

CONFERENCE TALKS

Navarro-Torres, C. A. (June 2025). [Understanding the limitations of tick-borne testing](#). Talk presented at the CIRSx Annual Conference. Tempe, AZ.

Navarro-Torres, C. A. (June 2025). [Framing a Future for Medical Research: Vision-Driven Goals for Clinical Innovation in CIRS](#). Talk presented at the CIRSx Annual Conference. Tempe, AZ.

Navarro-Torres, C. A. (May 2025). Cómo diagnosticar y tratar el Síndrome de Respuesta Inflamatoria Crónica (CIRS). Talk presented at the first Congreso Iberoamericano de Salud Funcional. Miami, FL.

Navarro-Torres, C. A. (May 2025). Síndrome de Respuesta Inflamatoria Crónica (CIRS): La gran crisis de salud pública del siglo 21. Talk presented at the first Congreso Iberoamericano de Salud Funcional. Miami, FL.

- Navarro-Torres, C. A.,** & DiTulio, M. (2024). [Raising MSH and other clinical pearls](#). Talk presented at the CIRsX/Surviving Mold Annual Conference. Frisco, TX.
- Navarro-Torres, C. A.,** Beatty-Martínez, A. L., Kroll, J. F. & Green, D. W. (2021). The power of discovery science: Articulating the research enterprise of bilingualism. Talk presented at the 13th International Symposium on Bilingualism (ISB13), Warsaw, Poland. Virtual Conference.
- Navarro-Torres, C. A.,** Dussias, P. E. & Kroll, J. F. (2021). Bilingual heritage speakers regulate their dominant language to exploit structural constraints in production: The case of a-adjectives. Talk presented at the 4th California Meeting on Psycholinguistics (CAMP), University of California, Irvine, CA. Virtual Conference.
- Navarro-Torres, C. A.,** Beatty-Martínez, A. L., Dussias, P. E., Bajo, M. T., Guzzardo Tamargo, R. E., & Kroll, J. F. (2019). Variability in language regulation is modulated by bilinguals' interactional context. Talk presentation for the *12th International Symposium on Bilingualism (ISB12)*, University of Alberta, Edmonton, Alberta, CA.
- Beatty-Martínez, A. L., **Navarro-Torres, C. A.,** Dussias, P. E., Bajo, M. T., Guzzardo Tamargo, R. E., & Kroll, J. F. (2019). Bilinguals' interactional contexts and immersion status impose different demands on language production and cognitive control. Talk presentation for the *12th International Symposium on Bilingualism (ISB12)*, University of Alberta, Edmonton, Alberta, CA.
- García, D., **Navarro-Torres, C.A.,** Chidambaram, V., Sorace, A., & Kroll, J. F. (2019). Catching the cognitive consequences of bilingual language processing on the fly. Talk presented at the biennial meeting of the *International Symposium on Bilingualism (ISB12)*, Alberta, Canada.
- Navarro-Torres, C.,** Hopp, H., Kroll, J. F., Dussias, P. E. (2017). When exceptions matter: Examining structural constraints in bilinguals' production and comprehension. Talk presented at the biennial meeting of the *International Symposium on Bilingualism (ISB11)*, Limerick, Ireland.
- Navarro-Torres, C.,** Cox, L., Kroll, J. F., Dussias, P.E. (2016). On the role of domain general cognition in bilingual sentence production. Talk presented at the *International Symposium on Bilingual Processing in Adults and Children (ISBPAC)*, Kaiserslautern, Germany.

SELECT POSTERS

- Navarro-Torres, C.,** García, D., Chidambaram, V., Sorace, A., & Kroll, J. F. (2018). Catching the cognitive consequences of bilingual language processing on the fly. Poster presented at the 59th *Annual Meeting of the Psychonomic Society*, New Orleans, LA.
- Navarro-Torres, C.,** Beatty-Martínez, A. L., Dussias, P. E., Kroll, J. F. (2017). Examining the effects of word frequency, language use, and immersion context on bilingual picture naming. Poster presented at the 58th *Annual Meeting of the Psychonomic Society*, Vancouver, Canada.
- Gullifer, J. W., Berry, G. M., **Navarro-Torres, C.,** Kroll, J. F., Dussias, P. E. (2016). What about the syntax? Bilingual word recognition in sentence context. Poster presented at the second *International Meeting of the Psychonomic Society*, Granada, Spain.
- Krass, K., **Navarro-Torres, C.,** Kroll, J. F., Rossi, E. (2015). The role of discourse context in pronoun resolution: evidences from Event Related Potentials (ERPs). Poster presented at the annual meeting of the *Society for the Neurobiology of Language (SNL)*. Chicago, IL.
- Navarro-Torres, C.,** Rubin, D., Tovar, A., Fein, D., Naigles, L. (2013). Developmental Predictors of Theory of Mind in Children with ASD. Poster presented at the 4th Annual *University of Connecticut Language Festival*, Storrs, CT.
- Navarro-Torres, C.,** Tovar, A., Fein, D., & Naigles, L. (2013). Is Negation a Productive Morphosyntactic Form for Children with ASD? Poster presented at the 2013 biennial meeting of the *Society for Research in Child Development*, Seattle, WA.
- Navarro-Torres, C.,** Tovar, A., Fein, D., & Naigles, L. (2012). Do Children with ASD Use Imitation to Acquire Negation Markers? Poster presented at the 11th annual *International Meeting for Autism Research*, Toronto, Canada.

INVITED TALKS

Navarro-Torres, C. A., Beatty-Martínez, A. L. (2019). Bilinguals' behavioral ecology changes the relation between language and cognition. *Language Science: The Next Generation* symposium before the 60th Annual Meeting of the Psychonomic Society, Montreal, Canada.

Navarro-Torres, C. A. & Beatty-Martínez, A. L. (2018). El bilingüismo como herramienta para evaluar la mente, el cerebro y el comportamiento lingüístico. *Encuentro estudiantil de lingüística*, Universidad de Puerto Rico, Río Piedras, PR.

Navarro-Torres, C. A., & Beatty-Martínez, A. (2016). Bilingualism as a tool to examine language in production and comprehension. *Language & Multilingualism Laboratory*. McGill University, QC, Canada.

Teaching and Lecturing

Bilingualism reveals fundamental variation in language use, working memory, and attention

Guest Speaker, Course: Usage based approaches to second language acquisition, Penn State University

Half Empty or Half Full? The Science of Bilingualism

Guest Speaker, Course: Language in Society, University of Southern California

Is Bilingualism Always Good for Your Brain?

Guest Speaker, Course: Bilingual Minds and Brains, University of California, Irvine

Codeswitching

Guest Speaker, Course: Bilingual Minds and Brains, University of California, Riverside

Language

Teaching Assistant, Course: Introduction to Cognitive Psychology, Penn State University

Developmental Language Disorders and Atypical Language Development: Autism

Teaching Assistant, Course: Language and Thought, Penn State University

Service and Professional Activities

INTRAMURAL/EXTERNAL

2025 Scientific Director | The CIRS Research Foundation

2024 Organizing Committee Member | The CIRS Summit

2024 Research Committee Member | CIRSx

2022-23 Area Chair in Psycholinguistics | 14th International Symposium of Bilingualism (ISB14)

2019 Colloquium Series Organizing Committee | UC Irvine Language Science Department

2016 Associate Editor | Translational Issues in Psychological Science: Special Issue on Translating Research to Practice in the Language Sciences

2015 Committee Member | Bilingualism Matters at Penn State University

MEDIA COVERAGE

2025 [Lyme, Mold, and CIRS explained: How hidden illness hijacks the immune system](#)

2024 [Conquer mold illness](#)

2024 [Learn how to read a CIRS research study](#)

2024 [El lenguaje de CIRS](#)

2020 [The changing bilingual brain](#)

2020 [Unlocking mysteries of the bilingual mind](#)

AD-HOC JOURNAL REVIEWER

Applied Psycholinguistics
Frontiers in Psychology
Memory & Cognition

Journal of Experimental Psychology: General
Language Learning
Neuropsychologia

Nature Scientific Reports
Translational Issues in Psychological Science

Second Language Research
Bilingualism: Language & Cognition

AD-HOC GRANT REVIEWER
National Science Foundation