

Maria M. Arredondo, Ph.D.

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Research Focus: In my research, I study how bilingual-learning infants and young children develop their languages. Specifically, I investigate the cognitive mechanisms (attention, memory, inhibition, shifting) that support dual-language processing and word selection. In my methods, I use eye-tracking and functional near-infrared spectroscopy. Recently, I am developing lines of research that include premature samples and Latinx children.

ACADEMIC APPOINTMENTS AND AFFILIATIONS

- 2020 – Assistant Professor**, Department of Human Development and Family Sciences
University of Texas at Austin, Austin, TX
- 2020 – Faculty Research Scholar**, Population Research Center
University of Texas at Austin, Austin, TX
- 2020-2023 Affiliated Research Scientist**, Haskins Laboratories
Yale University, New Haven, CT
- 2018-2020 National Science Foundation (NSF) Postdoctoral Research Fellow**
Advisor: Dr. Richard N. Aslin
- 2017-2019 Killam Laureate Postdoctoral Fellow**, Infant Studies Centre
Department of Psychology, The University of British Columbia, Vancouver, BC
Advisor: Dr. Janet F. Werker

EDUCATION

- 2017 Ph.D. Developmental Psychology, University of Michigan**
Chairs: Dr. Ioulia Kovelman, Dr. Susan A. Gelman
Committee members: Dr. Teresa Satterfield, Dr. Daniel H. Weissman
- 2013 M.S. Psychology, University of Michigan**
Advisor: Dr. Ioulia Kovelman
- 2010 B.S. Psychology, minor in Sociology, University of Houston**
Magna Cum Laude with honors

EXTERNAL RESEARCH GRANTS & FELLOWSHIPS

- 2024 National Institute of Health (NIH/NIDDK, R01DK135947)**
Title: *Mothers and CareGivers Investing in Children: A virtual intervention to support*

healthy growth in infants and toddlers. PIs: Elizabeth Widen and Deborah Jacobvitz.
4/1/2024-3/30/2029. Role: Co-I. Award: \$3,055,525

2022 National Cattlemen’s Beef Association

Title: *Role of beef in healthy dietary patterns across infancy and effects on growth, motor and neurocognitive development*. PI: Elizabeth Widen and Deborah Jacobvitz.
9/15/22-9/14/2024. Role: Co-I. Award: \$250,000

2020 Egg Nutrition Center

Title: *Mothers and careGivers investing in Children (MAGIC) – A family-based intervention for promoting optimal infant feeding and development*. PI: Elizabeth Widen and Deborah Jacobvitz. 11/2/2020-5/2/2023. Role: Co-I. Award: \$200,000

2020-2022 SRCD Small Grants for Early Career Scholars

Title: *Bilingual bebé: Linking neuro-cognitive mechanisms to dual-language learning*.
Role: PI. Award: \$7,500

2020-2022 Spencer Foundation’s Small Research Grants Program

Title: *Bilingual language broker profiles, Executive Functioning, and Academic Outcomes in Mexican American Adolescents*. PI: Su Yeong Kim.
Role: Consultant. Award: \$50,000

2018-2020 National Science Foundation (NSF SBE SPRF) Postdoctoral Fellowship

Title: *Infants’ emerging functional specialization in bilingual language acquisition and attentional processes*. Role: PI. Award: \$138,000

2012-2017 National Science Foundation Graduate Research Fellowship (NSF GRFP)

Title: *“Acquisition of reading abilities: an integrative approach”*
Role: PI. Award: \$134,000

2016 American Association of University Women (AAUW) Dissertation Fellowship

Selected but declined

INTERNAL RESEARCH GRANTS & FELLOWSHIPS

2024 College of Natural Sciences Mini-Catalyst at the University of Texas

Title: Early linguistic environments and cognitive resilience in premature infants: A pilot investigation. Role: PI. Award: \$25,000

Whole Communities Whole Health Flash Funding at the University of Texas

Title: Do culturally sensitive parenting programs improve children’s outcomes? A pilot investigation. Role: PI. Award: \$11,000

2021-2022 Research Reboot Program at the University of Texas at Austin

Course release to re-launch research program during Spring 2022 following COVID-19 pandemic.

2020 Rising STARS Program at the University of Texas at Austin

Equipment and renovation funds for an infant research lab. Award: \$75,000

2018-2020 Killam Laureate Postdoctoral Fellowship at The University of British Columbia
 Title: “*Bilingualism impacts cognitive networks in the developing infant brain*”
 Role: PI. Award: \$108,000 CAD

2016-2017 Predoctoral Fellowship at the University of Michigan Rackham Graduate School
 Award: \$32,000 stipend, tuition, and healthcare

2012-2017 Graduate Student Research Grants; University of Michigan
 Department of Psychology Dissertation grant; \$1,000
 Rackham Graduate School; \$14,000 total
 Conference travel grants from Rackham Graduate School; \$4,000 total

AWARDS & HONORS

- 2023 Association for Psychological Science (APS) Rising Star**
Society for Research in Child Development (SRCD) Early Career Research Contributions Award; \$1,000
- 2022 American Psychological Association (APA) Early Career Science Summit;** \$1,500
- 2021 Rom Rhode International Professional Development Fund UT CNS;** \$1,200
- 2018 7th Latin American School for Education, Cognitive and Neural Sciences.** Travel award and selected for participation. Held in Santiago, Chile.
- 2017 Cognitive Development Society Diversity Travel award;** \$550
NYU-Steinhard Faculty First-Look Workshop. Travel award and participation.
- 2016 Ford Foundation Dissertation Fellowship;** Honorable mention
Hagen-Stevenson Dissertation Research award. University of Michigan; \$1,200
- 2015 Cognitive Development Society Diversity Travel Award;** \$500
- 2014 Life Course: Evolutionary and Ontogenetic Dynamics (LIFE) Fellow**
Journal of Cognitive Neuropsychology Student Travel Award; \$750
Pat Gurin Distinguished lecture. University of Michigan; \$200.
ESCOP Summer School on Language at BCBL. Travel award and participation.
- 2013 Barbara A. Oleshansky Memorial Fund** University of Michigan, Department of Psychology; \$5,400
- 2011-2012 NICHD Pre-Doctoral Fellow T32** University of Michigan, Department of Psychology
 Role: Trainee

PUBLICATIONS

*shared authorship

1. Kim, S. Y., Yan, J., Wen, W., Song, J., Chen, S., Zhang, M., Lopez, B. G., **Arredondo, M. M.**, Gleason, M. E. J., & Ip, K. I. (in press). Daily and ethnic discriminatory experiences and cognitive control in Mexican-origin bilingual language brokers. *International Journal of Bilingual Education and Bilingualism*. <https://doi.org/10.1080/13670050.2024.2308663>
2. Garcini*, L. M., **Arredondo*, M. M.**, Berry, O., Church, J. A., Fryberg, S., Thomason, M. E., & McLaughlin, K. A. (2022). Increasing diversity in developmental cognitive neuroscience: a roadmap for increasing representation in pediatric neuroimaging research. *Developmental Cognitive Neuroscience*, 58, 101167. <https://doi.org/10.1016/j.dcn.2022.101167>
IF: 5.811 (5-year 8.268), Rank: 8/78 in Developmental Psychology, Role (70%)
3. **Arredondo, M. M.**, Garcini, L. M., & McLaughlin, K. A. (2022). Integration of equity and diversity frameworks to advance biological psychiatry. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. <https://doi.org/10.1016/j.bpsc.2022.08.004>
IF: 6.05, Rank: 62/275 in Neurosciences, Role (70%)
4. **Arredondo, M. M.**, Kovelman, I., Satterfield, T., Hu, X., Stojanov, L., & Beltz, A. (2022). Person-specific connectivity mapping uncovers differences of bilingual language experience on brain bases of attention in children. *Brain and Language*, 105084. <https://doi.org/10.1016/j.bandl.2022.105084>
IF: 2.781 (5-year 3.512), Rank: 30/195 in Linguistics, Role (80%)
5. **Arredondo, M. M.**, Aslin, R. N., Zhang, M., & Werker, J. F. (2022). Attentional orienting abilities in bilinguals: Evidence from a large infant sample. *Infant Behavior & Development*, 66, 101683. <https://doi.org/10.1016/j.infbeh.2021.101683>
IF: 2.671 (5-year 2.731), Rank: 45/78 in Developmental Psychology, Role (80%)
6. **Arredondo, M. M.**, Aslin, R. N., & Werker, J. F. (2022). Bilingualism alters infants' cortical organization for attentional orienting mechanisms. *Developmental Science*, e13172. <https://doi.org/10.1111/desc.13172>
IF: 4.939 (5-year 5.396), Rank: 17/78 in Developmental Psychology, Role (90%)
7. Kim, S. Y., Song, J., Wen, W., Chen, S., Zhang, M., Yan, J., Lopez, B. G., **Arredondo, M. M.**, & Ip, K. (2021). Culturally relevant stressors as moderators of intergenerational transmission of mother-adolescent executive function in Mexican immigrant families. *Cognitive Research: Principles and Implications*, 6, 70. <https://doi.org/10.1186/s41235-021-00333-x>
IF: 3.657 (5-year 4.169), Rank: 25/91 in Experimental Psychology, Role (20%)
8. **Arredondo, M. M.** (2021). Shining a light on cultural neuroscience: recommendations on the use of fNIRS to study how sociocultural contexts shape the brain. *Cultural Diversity and Ethnic Minority Psychology*. <https://doi.org/10.1037/cdp0000469>
IF: 4.035 (5-year 4.539), Rank: 1/19 in Ethnic Studies, Role (100%)
*Selected as APA Editor's Choice article on January 9th, 2023
9. Weatherhead, D., **Arredondo, M. M.**, Nacar García, L., & Werker, J. F. (2021). The role of audiovisual speech in fast-mapping and novel word retention in monolingual and bilingual 24-month-olds. *Brain Sciences*, 11, 114. <https://doi.org/10.3390/brainsci11010114>
IF: 3.33 (5-year 3.706), Rank: 176/275 in Neurosciences, Role (50%)
10. López, B. G., Zhang, M., **Arredondo, M. M.**, & Kim, S. Y. (2020). The Simon Effect in bilingual language brokers: A role for emotion and proficiency. *International Journal of Bilingualism*. <https://doi.org/10.1177/1367006920939659>

IF: 1.721 (5-year 2.188), Rank: 74/195 in Linguistics, Role (50%)

11. Safyer, P., Volling, B. L., Wagley, N., Hu, X., Swain, J. E., **Arredondo, M. M.**, & Kovelman, I. (2020). More than meets the eye: the neural development of emotion face processing during infancy. *Infant Behavior & Development*, 59, 101430. Doi: <https://10.1016/j.infbeh.2020.101430>.
- IF: 2.671 (5-year 2.731), Rank: 45/78 in Developmental Psychology, Role (20%)
12. **Arredondo, M. M.**, Hu, X., Satterfield, T., Tsutsumi Riobóo, A., Gelman, S. A., & Kovelman, I. (2019). Bilingual effects on lexical selection: A neurodevelopmental perspective. *Brain & Language*, 195, 104640. Doi: <https://10.1016/j.bandl.2019.104640>
- IF: 2.781 (5-year 3.512), Rank: 30/195 in Linguistics, Role (85%)
13. **Arredondo, M. M.** & Gelman, S. A. (2019). Do varieties of Spanish influence U.S. Spanish-English bilingual children's friendship judgments? *Child Development*, 90, 655-671. Doi: <https://10.1111/cdev.12932>
- IF: 5.661 (5-year 6.812), Rank: 10/78 in Developmental Psychology, Role (85%)
14. **Arredondo, M. M.**, Hu, X., Seifert, E., Satterfield, T., & Kovelman, I. (2018). Bilingual exposure enhances left IFG specialization for language in children. *Bilingualism: Language and Cognition*, 1-19. Doi: <https://10.1017/S1366728918000512>
- IF: 4.763 (5-year 4.571), Rank: 8/195 in Linguistics, Role (85%)
15. Reh, R., **Arredondo, M. M.**, & Werker, J. (2018). Understanding individual variation in levels of second language attainment through the lens of critical period mechanisms. *Bilingualism: Language and Cognition*, 1-2. Doi: <https://10.1017/S1366728918000263>
- IF: 4.763 (5-year 4.571), Rank: 8/195 in Linguistics, Role (45%)
16. Tran, C. D., **Arredondo, M. M.**, & Yoshida, H. (2018). Early executive function: the influence of culture and bilingualism. *Bilingualism: Language and Cognition*, 1-19. Doi: <https://10.1017/S1366728918000160>
- IF: 4.763 (5-year 4.571), Rank: 8/195 in Linguistics, Role (45%)
17. **Arredondo, M. M.**, Hu, X., Satterfield, T., & Kovelman, I. (2017) Bilingualism alters children's frontal lobe functioning for attentional control. *Developmental Science*. Doi: <https://10.1111/desc.12377>
- IF: 4.939 (5-year 5.396), Rank: 17/78 in Developmental Psychology, Role (85%)
18. Ip, K. I., Hsu, L. S., **Arredondo, M. M.**, Tardif, T., & Kovelman, I. (2016). Simultaneous acquisition of English and Chinese impacts children's reliance on vocabulary and phonological awareness for reading in English. *International Journal of Bilingual Education and Bilingualism*. Doi: <https://10.1080/13670050.2016.1246515>
- IF: 3.165 (5-year 3.165), Rank: 22/195 in Linguistics, Role (40%)
19. **Arredondo, M. M.**, Rosado, M. & Satterfield, T. (2016). Understanding ethnic identity development and its impact on Spanish literacy for U.S. Latino children. *Journal of Cognition and Culture*, 16, 245-266. Doi: <https://10.1163/15685373-12342179>
- IF: 0.28 (5-year 0.37), Rank: 158/211 in Multidisciplinary Psychology, Role (85%)
20. Kremin, L., **Arredondo, M. M.**, Hsu, L. S., Satterfield, T., & Kovelman, I. (2016). The effects of Spanish heritage language literacy on English reading for Spanish-English bilingual children in the U.S. *International Journal of Bilingual Education and Bilingualism*. Doi: <https://10.1080/13670050.2016.1239692>

IF: 3.165 (5-year 3.165), Rank: 22/195 in Linguistics, Role (60%)

21. Ip, K., Hsu, L. S., **Arredondo, M. M.**, Tardif, T., & Kovelman, I. (2016). Brain bases of morphological processing for learning to read in Chinese-English bilingual children. *Developmental Science*. Doi: <https://10.1111/desc.12449>

IF: 4.939 (5-year 5.396), Rank: 17/78 in Developmental Psychology, Role (40%)

22. Ugolini, M., Wagley, N., Ip, K. I., Hsu, L. S., **Arredondo, M. M.**, & Kovelman, I. (2016). In young readers, left hemisphere supports the link between temporal processing and phonological awareness. *Speech, Language, and Hearing Research*, 19, 17-26. Doi: <https://10.1080/2050571.X.2015.1101894>

IF: 0.57 (5-year 0.39), Rank: 25/33 in Audiology and Speech/Language Pathology, Role (20%)

23. **Arredondo, M. M.**, Ip, K. I., Hsu, L. S., Tardif, T., & Kovelman, I. (2015). Brain bases of morphological processing in young children. *Human Brain Mapping*, 36, 2890-2900. Doi: <https://10.1002/hbm.22815>

IF: 5.399 (5-year 5.805), Rank: 3/14 in Neuroimaging, Role (85%)

24. Hu, X., **Arredondo, M. M.**, Gomba, M., Confer, N., DaSilva, A., Johnson, T., Shalinsky, M., & Kovelman, I. (2015). A comparison of motion correction techniques applied to functional near-infrared spectroscopy data from children. *Journal of Biomedical Optics*, 20. Doi: <https://10.1117/1.JBO.20.12.126003>

IF: 3.582 (5-year 3.346), Rank: 30/101 in Optics, Role (45%)

25. Tran, C. D., **Arredondo, M. M.**, & Yoshida, H. (2015). Differential effects of bilingualism and culture on early attention: A longitudinal study in the U.S., Argentina, and Vietnam. *Frontiers in Psychology: Language Sciences*. Doi: <https://10.3389/fpsyg.2015.00795>

IF: 4.232 (5-year 4.426), Rank: 35/148 in Multidisciplinary Psychology, Role (45%)

MANUSCRIPTS UNDER REVIEW

Arredondo, M. M., Vasquez Martinez, M., & Gelman, S. A. (under review). *Journal of Cognition and Development*.

Arredondo, M. M., & Weatherhead, D. (under review). *Developmental Science*.

MANUSCRIPTS IN PREP

Arredondo, M. M., Guevara, E., Ramirez, M., Aslin, R. N., & Werker, J. F. *Resting state functional connectivity brain networks of bilingual and monolingual infants*.

Arredondo, M. M., Carrasco, A., Garlepp, A., & Chen, V. *Children's friendship choices are based on mask-wearing behaviors during the COVID-19 pandemic*.

INVITED & CONFERENCE PRESENTATIONS

Invited Conference Presentations

Arredondo, M. M. (August 2022). The Future of Science on Youth: Data Blitz and Reception. American Psychological Association (APA) annual meeting, Minneapolis, MN.

Arredondo, M. M. (December 2021). Bilingual experiences change the cortical organization of babies and guide attention. 1er Encuentro virtual sobre fNIRS en países iberoamericanos - Latin America NIRS 2021 - LatAmNIRS. Virtual conference.

Arredondo, M. M. (November 2021). Neurocognitive consequences of bilingualism. American Speech-Language-Hearing Association (ASHA) Annual Convention, Washington D.C.

Conference: Symposia Talks *denotes mentored student as presenter

*Beltran, L., & **Arredondo, M. M.** (April 2024). Navigating friendship through language: dialect differentiation in young Latinx children. The Access Program – Latino Research Institute, University of Texas, Austin, TX.

Weatherhead, D., **Arredondo, M. M.**, & Werker, J. (March 2024). Neural correlates of disambiguation in bilingual and monolingual toddlers. 2024 Cognitive Development Society (CDS), Pasadena, CA, USA.

Arredondo, M. M. (March 2023). *Symposium Discussant*. At the intersection of social systems, perception, and representation: going beyond perceiving faces and languages. 2023 Biennial meeting of the Society for Research in Child Development (SRCD), Salt Lake City, Utah, U.S.A.

Arredondo, M. M. (March 2023). *Symposium Discussant*. Executive functioning and metacognitive skills as ‘motor and consequence’ of early dual-language learning. 2023 Biennial meeting of the Society for Research in Child Development (SRCD), Salt Lake City, Utah, U.S.A.

Arredondo, M. M., Vasquez Martinez, & Gelman, S. A. (March 2023). Social categories influence Mexican and Mexican-American children’s friendship preferences and judgments. 2023 Biennial meeting of the Society for Research in Child Development (SRCD), Salt Lake City, Utah, U.S.A.

Arredondo, M. M., Kovelman, I., Satterfield, T., Hu, X., Beltz, A. M. (June 2022). Person-specific connectivity mapping uncovers differences of bilingual experiences in the child brain. 26th Biennial Meeting of the International Society for the Study of Behavioural Development (ISSBD), Rodos Palace, Rhodes, Greece.

Arredondo, M. M., Weatherhead, D., Werker, J. F. (June 2022). Neural correlates of mutual exclusivity in bilingual and monolingual toddlers. Workshop on Infant Language Development (WILD) at the Basque Center on Cognition, Brain and Language (BCBL), Donostia/San Sebastián, Spain.

Arredondo, M. M. & Gelman, S. A. (May 2022). *Flash Talk*: Mexican and Mexican-American children distinguish Spanish varieties, but minimally use them during social judgments. 2022 SRCD Special Topic Meeting “Construction of the Other”: Development, Consequences, and Applied Implications of Racism, Prejudice, and Discrimination, Rio Grande, Puerto Rico, USA.

Arredondo, M. M. (July 2020; cancelled due to COVID19 pandemic). *Symposium chair*: Bilingualism as a tool to elucidate how socio-linguistic contexts impact the developing infant brain. International Congress of Infant Studies (ICIS) 2020, Glasgow, Scotland, U.K.

Arredondo, M. M., Aslin, R. N., & Werker, J. F. (July 2020; cancelled due to COVID19 pandemic). Discriminating familiar/unfamiliar languages and decoding anticipatory behavior in the bilingual infant brain. International Congress of Infant Studies (ICIS) 2020, Glasgow, Scotland, U.K.

Arredondo, M. M., Aslin, R. N., & Werker, J. F. (June 2019). Bilingualism alters attentional processes in the brain as early as 6-months. International Symposium of Bilingualism (ISB), Edmonton, AB, Canada.

*Moss, E., *Ivkov, A., Aslin, R. N., Werker, J. F., & **Arredondo, M. M.** (March 2019). Bilingualism is associated with reorganization of frontal lobe function in 6-month-old infants. UBC Multidisciplinary Undergraduate Research Conference, Vancouver, BC, Canada.

- *Ivkov, A., *Moss, E., & **Arredondo, M. M.** (January 2019). Bilingualism is associated with reorganization of frontal lobe function in 6-month-old infants. UBC Undergraduate Neuroscience Conference, Vancouver, BC, Canada.
- Arredondo, M. M.**, & Kovelman, I. (June 2017). Bilingual and monolingual brains compared: syntactic processing in children and adults. International Symposium on Bilingualism (ISB), Limerick, Ireland.
- Arredondo, M. M.**, Hu, X. & Kovelman, I. (September 2016). Bilingualism alters attentional networks in the brain. International Mind, Brain and Education Society (IMBES) Annual Conference, Toronto, Canada.
- Arredondo, M. M.**, Hu, X., Satterfield, T., & Kovelman, I. (July 2014). Brain bases of attention in bilingual children and its effect on reading acquisition: An fNIRS study. Society for the Scientific Study of Reading (SSSR) 2014 Annual Conference, Santa Fe, NM.
- Arredondo, M. M.**, Ip, K. I., Hsu, L. S., & Kovelman, I. (July 2014). Neural bases of morphological awareness and literacy acquisition: moving beyond phonological awareness. Society for the Scientific Study of Reading (SSSR) 2014 Annual Conference, Santa Fe, NM.
- Arredondo, M. M.**, Ip, K. I., Hsu, L. S., & Kovelman, I. (April 2013). Neural bases of metalinguistic awareness and early reading acquisition: Moving beyond phonological processing. Society for Research in Child Development (SRCD) 2013 Biennial Conference, Seattle, WA.

Conference: Poster Presentations *denotes mentored student as presenter

- *Castro, S., & **Arredondo, M. M.** (September 2024). Where in the brain is the dax? Mapping word learning in the child brain. VIII Biennial meeting of the Society for functional near-infrared spectroscopy (SfNIRS), Birmingham, UK.
- *Costello, I., & **Arredondo, M. M.** (April 2024). The role of exposure and heritage language on novel word-learning in Spanish-English bilingual children. CNS Undergraduate Research Forum, University of Texas, Austin, TX.
- *Wimsatt, C., Lai, C., Chen, V., & **Arredondo, M. M.** (April 2024). Analyzing the cognitive advantage of bilingualism in memory generalization task performance in bilingual and monolingual toddlers. Longhorn Research Poster Session, University of Texas, Austin, TX.
- *Castro, S., Costello, I., Wimsatt, C., Chen, V., & **Arredondo, M. M.** (March 2024). Does parental code-switching impact bilingual toddlers' word learning? 2024 Cognitive Development Society (CDS), Pasadena, CA.
- *Bhatia, A., *Costello, I., Chen, V., & **Arredondo, M. M.** (April 2023). Correlates of cognition and word learning in English-Spanish bilingual children. CNS Undergraduate Research Forum, University of Texas, Austin, TX.
- *Carrasco, A. S., *Garlepp, A., Chen, G., & **Arredondo, M. M.** (April 2023). Do masks and muffled speech influence children's friendship preferences? A study during the Covid-19 pandemic. CNS Undergraduate Research Forum, University of Texas, Austin, TX.
- Arredondo, M. M.**, Chen, V., Hemarga, C., Abel, L., Celis, P., Varela, D., Garlepp, A., Guevara, A., Carrasco, A., & Alamo, I. (March 2023). Mechanisms of word learning in English-Spanish bilingual toddlers. Society for Research in Child Development (SRCD) 2023 Biennial meeting, Salt Lake City, Utah, U.S.A.
- *Chen, V., Hemarga, C., Abel, L., Celis, P. Y., Varela, D., Garlepp, A., Guevara, A. C., Carrasco, A., Alamo, I. S., & **Arredondo, M. M.** (October 2022). Mechanisms of word learning in English-Spanish bilingual toddlers. Association for Research in Memory, Attention, Decision-Making, Intelligence, Language, Learning, and Organization (ARMADILLO), Tarleton State University, Stephenville, TX.

- *Cervantez, C., *Celis, P., **Arredondo, M. M.** (April 2022). Do children prefer to be friends with other children based on their own mask-wearing opinions? CNS Undergraduate Research Forum, University of Texas, Austin, TX.
- *Ramirez, M., **Arredondo, M. M.**, Guevara, E., Aslin, R. N., & Werker, J. F. (April 2022). Resting state functional connectivity brain networks of bilingual and monolingual infants. CNS Undergraduate Research Forum, University of Texas, Austin, TX.
- *Abel, L. R., & **Arredondo, M. M.** (November 2021). Spanish-speaking bilinguals' use of disambiguation in their heritage language. Harvard University's Women in Psychology: Trends in Psychology Summit. Virtual conference.
- *Ivkov, A., **Arredondo, M. M.**, Aslin, R. N., & Werker, J. F. (July 2020; cancelled due to COVID19 pandemic). Tracking language: infants' ability to distinguish two languages at 6- and 10-months. International Congress of Infant Studies, Glasgow, Scotland.
- *Arteaga Bernal, E., *Caswell, L., *Reyes, S., *Cheung, S., **Arredondo, M. M.**, & Werker, J. F. (April 2020; cancelled due to COVID19 pandemic). Does bilingualism alter attentional orienting behavior during the first year of life? UBC Psychology Undergraduate Research Conference, Vancouver, BC, Canada.
- *Caswell, L., *Cunningham-Downs, C., *Cheung, S., *Reyes, S., *Arteaga Bernal, E., M. M., Aslin, R. N., **Arredondo, M. M.**, & Werker, J. F. (April 2020; cancelled due to COVID19 pandemic). Infants discriminate between familiar/unfamiliar languages at 10-months. UBC Psychology Undergraduate Research Conference, Vancouver, BC, Canada.
- Arredondo, M. M.**, Aslin, R. N., & Werker, J. F. (October 2019). Does bilingualism alter attentional shifting in the infant brain? Cognitive Development Society biennial meeting, Louisville, KY, USA.
- Weatherhead, D., **Arredondo, M. M.**, & Werker, J. F. (October 2019). Neural correlates of fast mapping. Cognitive Development Society biennial meeting, Louisville, KY, USA.
- Arredondo, M. M.**, Aslin, R. N., & Werker, J. F. (August 2019). A neurodevelopmental perspective on bilingual effects in attention: evidence from infants and young children. FLUX Congress, New York City, NY.
- Arredondo, M. M.**, *Moss, E. P., *Bizzotto, R., *Ivkov, A., *Cheung, S., *Arteaga, E., Aslin, R. N., & Werker, J. F. (June 2019). The effects of bilingualism on attention in the developing brain at 6- and 10-months. 4th Workshop on Infant Language Development (WILD), Potsdam, Germany.
- Arredondo, M. M.**, Aslin, R. N., & Werker, J. F. (May 2019). Bilingualism alters attentional processes in the brain as early as 6-months. UBC Language Sciences Graduate Student and Postdoctoral Research Day, Vancouver, BC, Canada
- *Ivkov, A., **Arredondo, M. M.**, *Bizzotto, R., *Moss, E., Aslin, R. N., & Werker, J. F. (May 2019). Bilingualism is associated with reorganization of frontal lobe function in 6-month-old infants. Canadian Psychological Association (CPA) National Convention, Halifax, NS, Canada.
- *Ivkov, A., Arteaga, E., Moss, E., Cheung, S., Aslin, R. N., Werker, J. F., & **Arredondo, M. M.** (March 2019). Bilingualism is associated with reorganization of frontal lobe function in 6-month-old infants. UBC Psychology Undergraduate Research Conference (PURC), Vancouver, BC, Canada.
- Arredondo, M. M.**, Hu, X., Satterfield, T., Kovelman, I., & Beltz, A. (October 2018). "*It's a GIMME*": Data-driven connectivity mapping identifies monolingual vs. bilingual brain activity. The Society for Functional Near Infrared Spectroscopy (SfNIRIS) 2018 Biennial Conference, Tokyo, Japan.
- Marks, R., **Arredondo, M. M.**, Oliver, M., Uchikoshi, Y., Hoefl, F., & Kovelman, I. (July 2018). Bilingualism enhances cortical specialization for language. Society for the Scientific Study of Reading (SSSR) 25th Annual Meeting, Brighton, U.K.

- Arredondo, M. M.**, May, L., Gervain, J., Carreiras, M., & Werker, J. F. (June 2018). Left hemisphere specialization for familiar language at 4-months. International Congress of Infant Studies (ICIS) 21st Biennial Congress, Philadelphia, PA (USA).
- Nacar, L., Weatherhead, D., **Arredondo, M. M.**, & Werker, J. F. (June 2018). Lip movements enhance bilingual toddlers' word retention. International Congress of Infant Studies (ICIS) 21st Biennial Congress, Philadelphia, PA (USA).
- Arredondo, M. M.**, Hu, X., & Kovelman, I. (October 2017). Bilingual children are more efficient when processing linguistic competitors. Cognitive Development Society (CDS) Biennial Meeting, Portland, OR.
- Arredondo, M. M.**, Hu, X., *Tsutsumi, A., *Stojanov, L., *Wlock, R., *Peppard, D., & Kovelman, I. (April 2017). Bilingual children show left-hemisphere brain activation for attentional networks. Society for Research in Child Development (SRCD) 2017 Biennial Conference, Austin, TX.
- Arredondo, M. M.**, Hu, X., *Stojanov, L., *Tsutsumi, A., *Wlock, R., & Kovelman, I. (October 2016). Bilingual children show left-hemisphere activation during non-verbal attentional networks. The Society for Functional Near Infrared Spectroscopy (SfNIRIS) 2016 Biennial Conference, Paris, France.
- Satterfield, T., **Arredondo, M. M.**, & *Rosado, M. (August 2016). Understanding the impact of heritage language on ethnic identity formation and literacy for U.S. Latino children. European Early Childhood Education Research Association (EECERA) 2016 Annual Conference, Dublin, Ireland.
- Hu, X., **Arredondo, M. M.**, *Gomba, M., Confer, N., DaSilva, A. F., Shalinsky, M., & Kovelman, I. (October 2015). A comparison of motion correction techniques applied to functional near-infrared spectroscopy data from children. Society for Neuroscience (SfN) 45th Annual Conference, Chicago, IL.
- Arredondo, M. M.**, *Rosado, M., & Gelman, S. A. (October 2015). A developmental study on how varieties of Spanish influence U.S. Latino children's friendship judgments. Cognitive Development Society (CDS) Biennial Meeting, Columbus, OH.
- Arredondo, M. M.**, *Fuentes, C., *Rosado, M., & Gelman, S. A. (March 2015). Do varieties of Spanish influence U.S. Latino children's friendship judgments? Society for Research in Child Development (SRCD) 2015 Biennial Conference, Philadelphia, PA.
- Arredondo, M. M.**, *Rosado, M., & Satterfield, T. (March 2015). Ethnic identity formation among U.S. Latino children ages 6-12: why heritage language learning matters. Society for Research in Child Development (SRCD) 2015 Biennial Conference, Philadelphia, PA.
- Arredondo, M. M.**, Hu, X., *Delgado Reyes, L. M., Satterfield, T., & Kovelman, I. (October 2014). Bilingualism alters children's prefrontal activation during a non-verbal attention task. Functional Near Infrared Spectroscopy (fNIRIS) 2015 Biennial Conference, Montreal, QC, Canada.
- Arredondo, M. M.**, Hu, X., *Delgado Reyes, L. M., *Younce, S., *Muñoz Velazquez, J., *Seifert, E., Satterfield, T., & Kovelman, I. (April 2014). Bilingual children show greater left prefrontal activation during a non-verbal attention task: An fNIRS study. Cognitive Neuroscience Society (CNS) 2014 Annual Conference, Boston, MA.
- *Seifert, E., **Arredondo, M. M.**, Hu, X., *Delgado Reyes, L. M., Satterfield, T., & Kovelman, I. (April 2014). Syntactic processing in bilingual children: examining the optional infinitive stage with fNIRS. Cognitive Neuroscience Society (CNS) 2014 Annual Conference, Boston, MA.
- Arredondo, M. M.**, *Gaston, P., Ip, K. I., & Kovelman, I. (October 2012). Location, location, location—Where are we in the brain? Functional Near Infrared Spectroscopy (fNIRIS) 2012 Meeting, London, England.

- Arredondo, M. M.**, Satterfield, T., & Kovelman, I. (April 2012). Investigation of Bilingual Language Processing in Latino Spanish-English Minority in the United States. 2nd Biennial APA Division 45 Conference, Ann Arbor, MI.
- Arredondo, M. M.**, Mascho, K., Mastic, A., Ip, K., Hsu, L. S., Spath, S., Wagley, N., Younce, S., Wardin, K., Thierbach, L., & Kovelman, I. (October 2012). Neural bases of metalinguistic awareness and early reading acquisition: Moving beyond phonological processing. Cognitive Neuroscience Society (CNS) 2012 Annual Conference, Chicago, IL.
- Ip, K., Hsu, L. S., Chen, J., **Arredondo, M. M.**, Mascho, K., Su, L., Tardif, T., & Kovelman, I. (October 2012). Neural correlates of morphological awareness in bilingual Chinese-English children: An fMRI investigation of cross-linguistic reading acquisition. Cognitive Neuroscience Society (CNS) 2012 Annual Conference, Chicago, IL.
- Arredondo, M. M.**, Tran, D., & Yoshida, H. (April 2011). Social structure and executive function task performances. Society for Research in Child Development (SRCD) 2011 Biennial Conference, Montreal, Canada.
- Tran, D., **Arredondo, M. M.**, & Yoshida, H. (2009). Cultural variability in early executive function task performances. Cognitive Development Society (CDS) 6th Biennial Meeting, San Antonio, TX.
- Arredondo, M. M.**, Tran, D., & Yoshida, H. (2009). The bilingual cognitive advantage: Culture and socioeconomic-status on executive function. University of Houston Undergraduate Research Day, Houston, TX.

Invited Colloquia Talks

2024

- University of Michigan

2023

- Cognitive Science Speaker Series, Northwestern University
- Developmental Science Colloquium, York University

2022

- Department of Psychology colloquium, Tulane University
- Pediatric Research Seminar, Dell Medical School, The University of Texas at Austin
- Paydarfar Lab, Dell Medical School, The University of Texas at Austin
- Infant Studies Centre, The University of British Columbia
- Department of Educational Psychology – Human Development, Culture, and Learning Sciences (HDCLS) area colloquium, University of Texas at Austin

2021

- Department of Psychology – Experimental area, University of North Carolina Greensboro
- Population Research Center (PRC) Friday seminars, University of Texas at Austin. Recording can be accessed here, <https://www.youtube.com/watch?v=1iUSB9qZYhc>
- Department of Psychology – Developmental area, University of Texas at Austin

2020

- Department of Psychology, California State University – Northridge (CSUN)
- Cognitive Neuroscience seminar, Dept. of Psychology, University of Texas at Austin
- Developmental Cognitive Neuroscience Lab, University of Texas at Austin

2019

- Infant Studies of Language and Neurocognitive Development (ISLAND) Lab, New York University
- Staff Talks at Haskins Laboratories, Yale University

- Cognitive Neuroscience lab meeting, Yale University
- National Taiwan Normal University
- Language Sciences graduate student and postdoctoral research day, University of British Columbia
- Trek Student Program, University of British Columbia

2018

- Cognitive area biweekly meetings, University of British Columbia
- Staff Talks at Haskins Laboratories, Yale University
- Center for Human Growth & Development (CHGD), University of Michigan
- Laboratory for the Neural Bases of Bilingualism, University of Houston

2017

- Department of Human Development and Family Sciences, University of Texas at Austin
- Department of Psychology, University of North Carolina
- Department of Psychology, University of Washington
- Developmental area meeting, University of British Columbia

2015

- Fall 2015 Functional MRI Symposium, University of Michigan

2014

- Pat Gurin Distinguished Lecture Series, University of Michigan

2013

- Developmental Area Brown Bag, University of Michigan

TEACHING AND STUDENT MENTORSHIP

Graduate Student Primary Advisor

2023-present Stephanie Castro

Graduate Student Dissertation Committees

2024 Chia-Chuan Yu (Health Education PhD)

Laura A. Gamboa (Behavioral Neuroscience Psychology PhD)

2023 Brett D. Baker, Jr. (Health Education PhD)

Eliya Ben-Asher (Psychology PhD)

Postdoctoral Mentee

2020-2021 Minyu Zhang

Postdoc Mentorship Committees

2022-2023 Tehila Nugiel (NIH T32)

Jendayi B. Dillard

Undergraduate Thesis Advising

2025-2026 Teresa Nieto, Maryna Khan

2024-2025 Caroline Lai, Vanessa Munguia

2023-2024 Isabelle Costello

2022-2023 Leila Abel, Paola Celis, Calista Hemarga

2021-2022 Minerva Ramirez

2019-2020 Elsa Arteaga Bernal

2018-2019 Eloise P. Moss, Ana Ivkov

Courses Taught

2020-2024 **HDF 315L – Research methods in human development & family sciences**

Undergraduate course

- Fall 2024. 36 students.
- Spring 2024. 24 students. Student Rating: 4.35/5
- Spring 2023. 45 students. Student Rating: 4.46/5
- Fall 2022. 35 students. Student Rating: 4.68/5
- Fall 2021 (hybrid). 34 students. Student Rating: 4.10/5
- Fall 2020 (online). 49 students. Student Rating: 4.50/5

HDF 355/359/355H – Research practicum

Undergraduate course

HDF 379/379H – Honors Tutorial course

Undergraduate course, thesis writing and advising.

2021 **HDF 394 – Developmental neuroscience of human behavior**

Graduate seminar

- Spring 2021 (online). 7 students. Student Rating: 4.10/5

2018-2019 **ISCI 448 – Integrated sciences directed studies**

Undergraduate research practicum course, University of British Columbia

2013-2014 **Psych 351 – Advanced research methods in developmental psychology**

Undergraduate course, University of Michigan; Teaching assistant to Professor E. Margaret Evans

2012-2017 **Psych 424/426 – Senior honors thesis research**

Undergraduate thesis course, University of Michigan; Graduate Student Co-Advisor to Professor Ioulia Kovelman

2011-2017 **Psych 326 – Faculty directed early research for psychology**

Undergraduate research practicum course, University of Michigan; Graduate Student Co-Advisor to Professors Ioulia Kovelman and Susan Gelman

Teaching Training

2024 Effective research mentoring professional development, College of Natural Sciences Faculty Affairs

2022 Course Design workshop by the Texas Institute for Discovery Education in Science in the College of Natural Sciences (CNS TIDES)

2020 Course Design workshop by the Texas Institute for Discovery Education in Science in the College of Natural Sciences (CNS TIDES)

2014 Certificate of Training in Graduate Teaching from the Center for Research on Learning and Teaching (CRLT), University of Michigan

- Trained in pedagogical practices for teaching undergraduate students.

2013 *Teaching Writing in the Disciplines*, University of Michigan

- Trained in effective teaching and evaluation in undergraduate writing.

Graduate Student Instructor Training, Center for Research on Learning and Teaching (CRLT), University of Michigan
- Introduction to teaching practices

Guest Lectures

- 2022** 'DEI in Research I' Psychology 958 – Developmental Psychology Training grant seminar on interdisciplinary Science. Dept. of Psychology, University of Michigan.
- 2021** 'Cultural Neuroscience' EDP 382E2 – Biological basis of behavior (graduate seminar). Dept. of Educational Psychology, University of Texas at Austin
- 2020** 'The bilingual brain.' LIN 373 - Bilingual Minds (undergraduate course), Dept. of Linguistics, University of Texas at Austin
- 'Infants' specialization in attentional processes.' HDF 394 - Lifespan Development (graduate seminar), Dept. of Human Development and Family Sciences, University of Texas at Austin
- 2018** 'Bilingualism.' Psych 412 - Cognitive Development (upper-level undergraduate course), Dept. of Psychology, University of British Columbia
'Bilingualism.' Living Language: Science & Society (upper-level undergraduate seminar), Language Sciences, University of British Columbia
'Bilingualism in the brain.' Ling 222 - Language Acquisition (undergraduate course), Dept. of Linguistics, University of British Columbia
- 2016** 'Research Methods: Imaging, Experiments, and Questionnaires.' Spanish 487 - Mock Spanish (undergraduate course), Dept. of Romance Languages and Literatures, University of Michigan.
- 2015** 'Cross-cultural research methods.' Psych 351 - Advanced research methods in developmental psychology (undergraduate research course), Dept. of Psychology, University of Michigan
- 2013** 'Language, literacy, and the brain.' Psych 211 - Project Outreach—Experiential Lab (undergraduate research course), Dept. of Psychology University of Michigan.
- 2012** 'Language, literacy, and the brain.' Psych 211 - Project Outreach—Experiential Lab (undergraduate research course), Dept. of Psychology University of Michigan.
'Data collection and analyses using fNIRS.' fNIRS Lab at the Center for Human Growth and Development, University of Michigan.

Supervisor to Undergraduate Research Assistants (most recent)

2024-2025 Caroline Lai, Marlizeth Hernandez, Audrey Bactad, Cindy Liang, Teresa Nieto, Analiese Smith, Leah Chhay, Emily L. Tran, Vanessa Munguia, Dayanara Carbajal, Maryna Khan.

- 2023-2024** Anika Bhatia, Isabelle Costello, Claudia Wimsatt, Liliana Beltran, Caroline Lai, Marissa Seldes, Raul De Leon, Oriana P. Pineda, Alejandro J. Banchs, Namuuka Mweene, Macy Katz, Natalia Orozco, Marlizeth Hernandez, Audrey Bactad, Cyndi Liang, Teresa Nieto.
- 2022-2023** Leila Abel, Calista Hemarga, Paola Celis, Daniella Varela, Ana Guevara, Alyssa Garlepp, Isabel Alamo, Alyssa Carrasco, Anika Bhatia, Mellina Zavala, Isabelle Costello, Claudia Wimsatt, Liliana Beltran, Caroline Lai, Marissa Seldes, Raul De Leon, Oriana P. Pineda, Alejandro J. Banchs, Namuuka Mweene.
- 2021-2022** Minerva Ramirez, Carolina Gamez, Leila Abel, Calista Hemarga, Paola Celis, Eraine Leland, Darianna Diaz, Daniella Varela, Hallie Goodstein, Ana Guevara, Alyssa Garlepp, Cierra Cervantez, Zehra Ahmed, Isabel Alamo, Julissa Medina, Alyssa Carrasco
- 2020-2021** Sarah Thomas, Aubrey MacMillan, Ali Chaghani, Youchuan (Mike) Ma, Alissa Avena, Paola Contreras, Minerva Ramirez, Carolina Gamez, Leila Abel, Ana Sofia Guerra, Aliah Zewail, Samara Reyes (University of British Columbia)
- 2019-2020** Caleb Cohen, Cianna Cunningham-Downs, Elsa Arteaga, Gurwinder Sidhu, Elsa Arteaga, Lauren Caswell, Samara Reyes
- 2018-2019** Ana Ivkov, Alexandria Sowden, Eloise Moss, Elsa Arteaga, Lauren Caswell, Samara Reyes
- 2017-2018** Gloria Ng, Riley Bizzotto, Eloise Moss

Research Mentorship Programs

- 2023-2024** The Access Program – Latino Research Institute; Liliana Beltran
- 2023** Women in Neuroscience (WiN); Namuuka Mweene
- 2022-2023** Mellon Mays Undergraduate Fellowship Program; 1 student
- 2021-2022** Cognitive Development Society (CDS) Diversity Mentorship program.
* Matches a professor with a grad student from an underrepresent background in the sciences: Anele Villanueva
- 2020-2021** Byram Hills High School research program; 1 high school student*
*Student awarded the Westchester Science and Engineering Fair United States Air Force Award, 2nd place in Upstate Junior Science and Humanities Symposium in Behavioral Sciences, 2nd place in the Westchester Rockland Junior Science and Humanities Symposium in Behavioral Science.
- 2019** Behavioural Neuroscience Honours program, University of British Columbia; 1 student
- 2018** Aboriginal Undergraduate Research Mentorship Program, University of British Columbia; 1 student*
*Student awarded Undergraduate Student Research Award (USRA) from the Natural Sciences & Engineering Research (NSERC) Council of Canada to continue carrying out research during Summer 2018
- 2011-2017** Undergraduate Research Opportunity Program (UROP), University of Michigan; 8 students
- 2012-2016** Summer Research Opportunity Program (SROP), University of Michigan; 3 students
- 2013-2014** Coalition for Interdisciplinary Research on Latino/a Issues, University of Michigan; 1 student
- 2011-2012** Michigan Association of Psychology Scholars, University of Michigan; 1 student

PROFESSIONAL SERVICE

Grant Reviewing

2022 – National Science Foundation
2022 – Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant
2021 – National Science Foundation
2021 – University of Texas Vice President of Research: Research and Creative Grants
2021 – Canada Foundation for Innovation (CFI)
2020 – University of Texas Vice President of Research: Research and Creative Grants
2019 – National Science Centre—Poland (Narodowe Centrum Nauki)

Award Reviewing

2022 – Society for Research in Child Development (SRCD) Outstanding Doctoral Dissertation Award

Editorial Board

2024-present – Developmental Psychology (fellow)
2021-present – Journal of Cognition and Development
2020-present – Cultural Diversity and Ethnic Minority Psychology
2020-2022 – Frontiers in Psychology: Communication Science

Journal Reviewing (last 3 years)

Scientific Studies of Reading; Nature Human Behaviour; Developmental Cognitive Neuroscience; Journal of Cognition and Development; Infant Behavior and Development; Cognition; Child Development; Developmental Science; Developmental Psychology; Cultural Diversity and Ethnic Minority Psychology; The Journal of Neuroscience; PLOS One; Frontiers Psychology; Human Brain Mapping; Brain & Language; Neurophotonics; Bilingualism: Language & Cognition; International Journal of Bilingual Education and Bilingualism; Group Processes and Intergroup Relations; SAGE Open

Conference Reviewing

- International Symposium on Bilingualism (ISB 14) 2023 biennial meeting
- Society for functional Near-Infrared Spectroscopy (SfNIRS) 2022 annual meeting
- Judge for the Undergraduate Research Forum (Spring 2022), College of Natural Sciences, University of Texas at Austin
- 2022 Workshop on Infant Language Development (WILD)
- Society for Research on Adolescence (SRA) 2022 biennial meeting
- International Congress of Infant Studies (ICIS; Perception panel) 2022 biennial meeting
- Society for functional Near-Infrared Spectroscopy (SfNIRS) 2021 annual meeting
- Undergraduate Research Forum (Spring 2020), College of Natural Sciences, University of Texas at Austin
- CogSci (Cognitive Science Society) 2020 meeting; program committee
- International Congress of Infant Studies (ICIS; Perception panel) 2020 biennial meeting
- APA Division 7 – Developmental Psychology 2020 annual meeting
- UBC Undergraduate Neuroscience Conference 2019 annual meeting
- International Symposium on Bilingualism (ISB 12) 2019 Biennial meeting
- Society for functional Near-Infrared Spectroscopy (SfNIRS) 2018 Biennial meeting
- Cognitive Development Society (CDS) 2017 meeting
- CogSci (Cognitive Science Society) 2017 meeting
- Society for functional Near-Infrared Spectroscopy (SfNIRS) 2016 Biennial meeting

Book Chapters Reviewing

Understanding Language and Cognition Through Bilingualism (John Benjamins Publishing Company)
 The Handbook of the Neuroscience of Multilingualism (Wiley-Blackwell)

UNIVERSITY SERVICE

University of Texas at Austin (Assistant Professor)

- 2024** Reviewer for Undergraduate awards, HDFS
 Judge, Undergraduate Research Forum (Spring 2023), College of Natural Sciences, University of Texas at Austin
 Host, NIRx fNIRS Texas Workshop, University of Texas at Austin
- 2023** Chair search committee, HDFS
 Reviewer for Undergraduate awards, HDFS
 Judge, Undergraduate Research Forum (Spring 2023), College of Natural Sciences, University of Texas at Austin
 Invited panelist, First-year group (FIG) seminar, College of Natural Sciences, University of Texas.
 Invited panelist, How to apply to graduate school strategically, Mellon Mays GAP graduate school bootcamp, University of Texas.
- 2022** Judge, Undergraduate Research Forum (Spring 2022), College of Natural Sciences, University of Texas at Austin
 Invited Speaker, Women in Psychology, UT student-led organization
 Panel member, Career Panel, Black & Brown Academics & Mentorship Program (BBAM) student organization
 Faculty mentor, School of Human Ecology Diversity Equity Inclusion (DEI) committee
 Reviewer for Undergraduate awards, HDFS
- 2021** Faculty mentor, School of Human Ecology Diversity Equity Inclusion (DEI) committee
 Reviewer, VPR Research and Creative Grants
- 2020** Reviewer, VPR Research and Creative Grants
 Evaluator, Undergraduate Research Forum, College of Natural Sciences
- 2019** Committee member, Early Childhood Faculty Search committee, HDFS

University of British Columbia (Postdoctoral research fellow)

- 2018** Evaluator, Undergraduate Neuroscience Conference
 Panel member, Q&A Getting your dream postdoc and faculty position, University of Michigan Latino Student Psychological Association (LSPA)

University of Michigan (graduate student)

- 2015-2016** Graduate student representative, Executive committee, Dept. of Psychology
 Graduate student representative, Diversity Post-Doc/Faculty search committee, Developmental Psychology area
- 2015** Panel member, Q & A Life in Grad School, M-Sci Scholars at University of Michigan
- 2014-2015** Graduate student representative, Graduate Admissions committee, Developmental Psychology area
 Graduate student representative, Student Academic Affairs committee, Dept. of Psychology
- 2013** Panel member, Q & A Life in Grad School, Diversity Recruitment Weekend

- 2012-2014** Graduate student representative, Brown Bag Talks committee, Developmental Psychology area
- 2012-2013** Graduate student representative, Diversity Panel in Psychology committee
- 2012** Panel member, Q & A Life in Grad School, Undergraduate Diversity Recruitment weekend
- Panel member, Applying to Grad School, Undergraduate Diversity Recruitment weekend
- Panel member, Applying and Obtaining Competitive Prestigious Awards and Fellowships, Alliances for Graduate Education & the Professoriate (AGEP)
- Panel member, NSF workshop for STEM disciplines, Rackham Graduate School
- Panel member, Graduate School: Research Experience & Application Process, Undergraduate Research Opportunity Program (UROP)

COMMUNITY OUTREACH

Media Coverage

2022 PBS Otherwords episode: “*Is bilingualism a superpower?*” - <https://youtu.be/EGGFsOPQaAU>

KXAN Local news (Austin, TX): “*Bilingual children might have a superpower, UT study finds*” - <https://www.kxan.com/news/local/austin/bilingual-children-might-have-a-superpower-ut-study-finds/>

KVUE Local news (Austin, TX): “*UT study researching learning skills among bilingual children*” - <https://www.kvue.com/article/news/education/university-of-texas/ut-study-learning-skills-bilingual-children/269-0fb9678c-d36b-452c-9edb-5e4ba63f083e>

Stanford Psychology Podcast (#18 Social Science podcast in U.S. Apple): “*When babies need to learn two languages*” - <https://stanfordpsypod.buzzsprout.com/1801436/11715155-72-maria-arredondo-when-babies-need-to-learn-two-languages>

The Daily Texan: “*Study finds bilingual babies’ brains work differently; bilingual students speak about their experiences*” - <https://thedailytexan.com/2022/10/28/study-finds-bilingual-babies-brains-work-differently-bilingual-students-speak-about-experiences/>

News from the College of Natural Sciences at the University of Texas: “*Shining a light on how bilingual children learn*” - <https://cns.utexas.edu/news/shining-a-light-on-how-bilingual-children-learn>

2021 The Wall Street Journal: “*Does being bilingual make you smarter?*” - https://www.wsj.com/articles/does-being-bilingual-make-you-smarter-11639686497?reflink=desktopwebshare_permalink

Guest to podcast show “Padres con Voz (Parents with a voice)”. “*Criando a tus hijos bilingües – mitos, ciencia, y el niño (Raising your bilingual children – myths, science, and the child)*”. Episode in Spanish can be accessed here, <https://anchor.fm/padresconvoz>

- 2020** “*Cómo ayudo a mi hijo bilingüe mientras estamos en casa? Rompiendo los mitos del bilingüismo.*” Livestream webinar/Live Q&A via Haskins Global Literacy Hub. Recorded and can be accessed here, <https://www.youtube.com/watch?v=loWwEzZLsGI>

Community Presentations

- 2024** “*mi niñ@ bilingüe.*” Todos Juntos Learning Center. Austin, TX. (two presentations)
- 2023** “*The bilingual child.*” Little Tiger Chinese Immersion School. Austin, TX.
- 2021** “*The bilingual child.*” Todos Juntos Learning Center. Austin, TX.
- 2019** “*Early bilingualism and school achievement.*” Touchstone Family Association: Strengthening families and building communities, Richmond, BC, Canada.
- 2018** “*Bilingualism and multicultural education: exploring benefits to cognitive, academic, social and identity development.*” Presentation at Immersion for Spanish Language Acquisition (ISLA) at St. Thomas More School, Chapel Hill, NC.
- “*Research at the UBC Infant Studies Centre.*” Presentation to high school students at University Hill Secondary School, organized by UBC Psi Chi. Vancouver, BC, Canada.
- 2016** “*Important steps for applying to college.*” Presentation in Spanish at ‘En Nuestra Lengua’ Spanish Saturday School, Ann Arbor, MI.
- “*Children form an ethnic Latino identity: why is it important to speak Spanish?*”. Presentation in Spanish at ‘En Nuestra Lengua’ Spanish Saturday School, Ann Arbor, MI.
- 2015** “*The positive impact of bilingualism on attention.*” Presentation in Spanish at ‘En Nuestra Lengua’ Spanish Saturday School, Ann Arbor, MI.
- 2012** “*The bilingual child: Myths and reality about bilingual development.*” Ann Arbor Chinese Center of Michigan (ACCOM), Ann Arbor, MI.
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TEACHING AREAS/COURSES PREPARED TO TEACH

- Research methods (undergraduate, graduate)
 - Infant and early childhood development (undergraduate, graduate)
 - Cognitive development (undergraduate, graduate)
 - Language development (undergraduate, graduate)
 - Brain and behavior (undergraduate, graduate)
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PROFESSIONAL ASSOCIATIONS

- Society for Research in Child Development (SRCD)
 - International Society for the Study of Behavioural Development (ISSBD)
 - Cognitive Development Society (CDS)
 - International Congress for Infant Studies (ICIS)
 - Society of Functional Near-Infrared Spectroscopy (SfNIRS)
 - American Psychological Association (APA)
 - Association for Psychological Science (APS)
-

LANGUAGE PROFICIENCY

Native in Spanish: speak, read, write.

REFERENCES

Janet F. Werker
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