

# Michaela DuBay, M.Ed., CCC-SLP

Speech-Language Pathologist

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## Education

- **Ph.D. in Speech and Hearing Sciences** *Expected completion: May 2020*  
*University of North Carolina at Chapel Hill*  
Advisor: Dr. Linda Watson  
Pre-doctoral Fellow: “Interdisciplinary Leadership in Autism Spectrum Disorders: Optimizing Research-Practice Partnerships for Evidence-Based Outcomes.”  
Personnel Preparation Grant, U.S. Department of Education H325D130041.
- **M.Ed. in Communication Disorders** *August 2011*  
*Georgia State University*  
Advisor: Dr. Jacqueline Laures-Gore
- **B.A. in Psychology and Linguistics** *May 2007*  
*Emory University*  
Minor: Spanish

## Employment History

- **Speech-Language Pathologist** *2011-2015*  
*Corley Elementary, Lawrenceville, Georgia*  
*Early Childhood Program*
- **Accent Modification Consultant** *2013-2014*  
*Catholic Archdiocese of Atlanta*

## Research Experiences

- **Parents and Infants Engaged, UNC Chapel Hill & USC** *8/2017 – 8/2019*  
Project Coordinator
  - M-PIs: Linda Watson and Grace Baranek
  - NICHD # 1R21HD091547-01
  - This dual-site pilot study seeks to evaluate the effectiveness of a novel short-term intervention founded in sensory and pre-linguistic communication components and delivered in a parent-coaching model to infants and toddlers identified through a community-based screen. Primary and secondary outcomes include parent-child engagement, child receptive and expressive language, child sensory processing, child and parent respiratory sinus arrhythmia, child skin-conductance levels, and parent responsiveness. The study uses a crossover design with pre- and post-assessments and two follow-up assessments. Comparison groups of high-risk and low-risk toddlers follow the same assessment schedule.

- I began as assessment coordinator and transitioned to the project coordinator role after one year. In the project coordinator position, I oversaw all recruitment, assessment, and intervention activities, including budget, assessment scheduling, communication with participants, management of physiological technology (RSA, SCL, eye-tracking), IRB protocols, data management, contributions to statistical analyses, and funding updates to NIH. I coordinated a team of 8 undergraduate research assistants, 8 Master's level research assistants, 13 doctoral students, 3 post-doctoral fellows, 4 faculty, and 2 PIs.
  - ClinicalTrials.gov Identifier: NCT03388294
- **Early Development Project, UNC Chapel Hill** 8/2015 – 8/2019  
Project Coordinator
    - PI: Linda Watson
    - This randomized controlled trial evaluated the effectiveness of a parent-mediated intervention, *Adapted Responsive Teaching*, among a group of infants at-risk for autism according to a community-based screen. Intervention lasted for 6-8 months, with pre- and post-assessments and a follow-up assessment at preschool-age.
    - I began administering follow-up assessments at the preschool-age time-point, coordinating data entry, and video-coding parent-child interactions. I then transitioned to project coordinator after two years, managing data and IRB protocols, and contributing to statistical analyses.
- **First Years Inventory Translation Project UNC & USC** 2018 - present  
Principal Investigator
    - The purpose of this dissertation study is to translate the *First Years Inventory* (FYI; Baranek, et al., 2013), a parent-report infant screening tool, into Spanish for a US-based Spanish-speaking population using a rigorous cultural adaptation approach.
    - Duties include recruitment of research staff (6 translators, 4 interviewers), recruitment of participants for cognitive interviews, conducting interviews, collecting qualitative data, coordination of translation consensus meetings, IRB protocols, budget management, and data analysis.
- **M-CHAT Spanish-English Comparison, UNC Chapel Hill** 2018 - present  
Principal Investigator
    - The aim of this dissertation study is to examine the psychometric properties of the Spanish – Western Hemisphere M-CHAT-R in comparison to the original English M-CHAT-R including data quality, reliability, factor structure, and item functioning, to determine how psychometric properties between two languages versions of an instrument may differ if translated using traditional methods lacking in cultural adaptation.
    - Duties include recruitment of participating health clinics, data collection, recruitment and management of 4 student research assistants, and all data analyses.

- **Culturally Appropriate Autism Intervention for Latino Families** 2016 – 2017  
Principal Investigator, *UNC Chapel Hill*
  - This mixed-methods study compared satisfaction and cultural fit with early interventions between Spanish-speaking Latino and English-speaking non-Latino parents of young children with autism.
  
- **Screening in Early Care Project**, *UNC Chapel Hill* 8/2015 – present  
Co-Investigator
  - PI: Elizabeth Crais
  - The purpose of this qualitative study was to examine the feasibility and acceptability of universal autism screening in early childcare programs from the perspective of childcare center directors, teachers, and parents.
  
- **Aphasia and Motor Speech Disorders Lab**, *Georgia State University* 2008-2011  
Research Assistant
  - PI: Jacqueline Laures-Gore
  - This lab studied stress in individuals with aphasia, including physiological biomarkers and linguistic correlates of stress, as well as a yogic-breathing intervention.
  
- **Speech and Language Perception Lab**, *Emory University* Spring 2007  
Research Assistant
  - PI: Lynne Nygaard
  - This lab examined familiarity over time with speakers' voices, including various vocal characteristics, such as style, foreign accent, and intonation.

## **Publications**

- DuBay, M.,** Watson, L. R. (2019). Translation and cultural adaptation of parent-report developmental assessments: Improving rigor in methodology. *Research in Autism Spectrum Disorders*, 62, 55-65.
- DuBay, M.,** Nowell, S., & Watson, L. R. (2019). Focus on Families. In Jordan, R., Roberts, J. & Hume, K. (Eds.), *The SAGE Handbook of Autism and Education* (pp. 186-202). Los Angeles, CA: Sage Reference.
- DuBay, M.,** Watson, L. R., Zhang, W. (2018). In search of culturally appropriate autism interventions: Perspectives of Latino caregivers. *Journal of Autism and Developmental Disorders*, 48, 1623-1639.
- Baranek, G., Woynaroski, T., Nowell, S., Turner-Brown, L., **DuBay, M.,** Crais, E., & Watson, L. R. (2017). Cascading effects of attention disengagement and sensory seeking on social symptoms in a community sample of infants at-risk for a future diagnosis of autism spectrum disorder. *Developmental Cognitive Neuroscience*, 29, 30-40.

- Marshall, R., Laures-Gore, J., **DuBay, M.**, Williams, T., and Bryant, D. (2015). Unilateral forced nostril breathing and aphasia--exploring unilateral forced nostril breathing as an adjunct to aphasia treatment: a case series *The Journal of Alternative and Complementary Medicine*. February, 21(2): 91-99.
- DuBay, M.**, Laures-Gore, J., Matheny, K., & Ronski, M. (2011). Coping resources in individuals with aphasia. *Aphasiology*, 25(9), 1016-1029.
- Laures-Gore, J., **DuBay, M.**, Duff, M., & Buchanan, T. (2010). Identifying behavioral measures of stress in individuals with aphasia. *Journal of Speech, Language, and Hearing Resources*, 53(5), 1394-400.
- Uzonyi, T., Page, J., **DuBay, M.** (under review). Screening for Developmental Disabilities and Autism Spectrum Disorder in Child Care Settings. *Journal of Early Intervention*.

## **Funding/Grants**

- “Translation and Cultural Adaptation of Developmental Screening Tools”
  - Awardee *August 2019-May 2020*
  - Dissertation Completion Award, *Council of Academic Programs in Communication Sciences and Disorders*
  - \$20,000
- “Bringing Early Autism Identification to the Latino Community: Translation and Cultural Adaptation of the First Years Inventory”
  - Principal Investigator *August 2018-August 2019*
  - Pilot Grant, *NC Translational and Clinical Sciences Institute*
  - NCATS #UL1TR002489
  - \$2,000
- “Foundations in Autism Bolivian Video Series”
  - Project Coordinator, Awardee *May 2018-May 2019*
  - Ronald W. Hyatt Rotary Public Service Award, *Carolina Center for Public Service*
  - \$3,000
- “In Search of Culturally Appropriate Autism Interventions for Latino Families”
  - Principal Investigator *May 2016-May 2017*
  - Community Engagement Fellowship Grant *Carolina Center for Public Service*
  - \$2,000

## Conference Presentations

### Panel Presentations

- **DuBay, M.** (May, 2019). How do you translate peek-a-boo when peek-a-boo doesn't exist? Translation and cultural adaptation of an autism screening tool. Panel: Examining Cultural and Structural Factors Underlying Diagnostic and Service Disparities Affecting Racial/Ethnic Minority Children; Chair: Vanegas, S. *Meeting for the International Society for Autism Research*, Montreal, Canada.

### Oral Presentations

- **DuBay, M.,** Guerra, K. (November, 2018). When translating into Spanish doesn't cut it: Culturally appropriate therapy strategies for Latino families, *American Speech Language Hearing Association Convention*, Boston, MA.
- **DuBay, M.** (November, 2018). Lost in translation: Improving translation methods for screening tools to identify at-risk children, *American Speech Language Hearing Association Convention*, Boston, MA.
- Nowell, S., **DuBay, M.,** Watson, L.R., Artis, J., Anderson, R. (November, 2018). What SLPs need to know about sensory regulation in young children with ASD, *American Speech Language Hearing Association Convention*, Boston, MA.
- **DuBay, M.** (March, 2018). In search of culturally appropriate autism interventions for Latino families, *North Carolina American Speech Language Hearing Association Convention*, Raleigh, NC.
- Watson, L., Crais, E., Alzamel, A., **DuBay, M.,** Nowell, S., Uzonyi, T. (November, 2016) Research to practice: Targeting caregiver responsiveness for young children with symptoms of ASD, *American Speech Language Hearing Association Convention*, Philadelphia, PA.
- **DuBay, M.,** Laures-Gore, J. (November, 2009). Salivary cortisol reactivity and language measures in individuals with aphasia, *American Speech Language Hearing Association Convention*, New Orleans, LA.

### Poster Presentations

- Watson, L., Nowell, S., Turner-Brown, L., Garrido, D., **DuBay, M.,** Grzadzinski, R., Baranek, G., & Crais, E. (May, 2019). Infant communication measures predict preschool ASD symptom severity and ASD diagnosis. *Meeting for the International Society for Autism Research*, Montreal, Canada.

- Nowell, S., **DuBay, M.**, Watson, L., Artis, J., & Anderson, R. (2018, November). What SLPs need to know about sensory regulation in young children with ASD. *American Speech-Language-Hearing Association Convention*, Boston, MA
- Alzamel, A.A., Garrido, D., Watson, L. R., **DuBay, M.**, Crais, E., Baranek, G., Carballo, G., Garcia-Retamero, R., & Turner-Brown, L. (2018, May). Types of Parent Responsiveness: Longitudinal Changes Associated with a Parent-Mediated Intervention for Children at-Risk for ASD. *International Society for Autism Research Annual Meeting*, Rotterdam, The Netherlands.
- **DuBay, M.** (November, 2017). In search of culturally appropriate autism interventions for Latino families, *American Speech Language Hearing Association Convention*, Los Angeles, CA.
- **DuBay, M.**, Azamel, A., Uzonyi, T., Watson, L., Crais, E., & Nowell, S. (May, 2017). A longitudinal analysis of parent responsiveness following intervention. Poster presented at the *International Meeting for Autism Research*, San Francisco, CA.
- **DuBay, M.** (May, 2017). In search of culturally appropriate autism interventions for Latino families. *International Meeting for Autism Research*, San Francisco, CA.
- Page, J., Uzonyi, T., **DuBay, M.**, Crais, E. (May, 2017). Child care center directors' knowledge and perceptions of early screening for developmental disabilities and autism spectrum disorder (ASD). *International Meeting for Autism Research*, San Francisco, CA.
- Baranek, G., Woynaroski, T., Nowell, S., Turner Brown, L., **DuBay, M.**, Crais, E., & Watson, L. (May, 2017). Cascading effects of attention disengagement and sensory-seeking on social symptoms in a community sample of infants at-risk for a future diagnosis of ASD. *International Meeting for Autism Research*, San Francisco, CA.
- **DuBay, M.** (March, 2015). Making practice meet research: A parent-education program for preschool-aged students with autism. *Georgia Organization of School-Based SLPs Best Practices Conference*, Atlanta, GA.
- **DuBay, M.** (April, 2011). Coping resources in individuals with aphasia. *Georgia Speech Language Hearing Association Convention*, Athens, GA
- **DuBay, M.**, (May, 2010). Coping resources in individuals with aphasia. *Clinical Aphasiology Conference*, Isle of Palms, SC.
- **DuBay, M.** (November, 2010). Coping resources in individuals with aphasia. *American Speech Language Hearing Association Convention*, Philadelphia, PA.

## Teaching Experience

- **Instructor of Record**
  - *Anatomy and Physiology for Speech and Hearing Sciences*
    - SPHS 570: UNC Chapel Hill *Spring 2018 & Spring 2019*
    - EXC 4360: Georgia State University *Spring 2013*
  
- **Co-Instructor**
  - *Autism in our Communities*
    - SPHS 400: UNC Chapel Hill *Fall 2017*
  
- **Teaching Assistant**
  - *Introduction to Research Methods* (Master's level)
    - SPHS 701: UNC Chapel Hill *Spring 2017*
  - *Introduction to Phonetics*
    - SPHS 530: UNC Chapel Hill *Fall 2015*
  
- **Guest Lectures**
  - "Culture and ASD: Why Does it Matter?"
    - SPHS 802: Autism Seminar, UNC Chapel Hill *Spring 2018*
  - "Social Communication"
    - SPHS 864: Seminar in Language, UNC Chapel Hill *Fall 2018*
  - "Introduction to Speech-Language Pathology"
    - EDUC 181: Introduction to Human Development and Family Studies, UNC Chapel Hill *Fall 2016*
  - "Cultural Considerations in Early Intervention"
    - EDUC 615: Introduction to the Education of Exceptional Learners, UNC Chapel Hill *Fall 2016*
  
- **Research Assistant Supervision**
  - Danna Verastegui, UNC Master's *Fall 2018, Spring & Summer 2019*
  - Will Brinson, UNC Master's *Fall 2018, Spring & Summer 2019*
  - Eri Kakoki, UNC undergraduate *Fall 2018, Spring & Summer 2019*
  - James Chen, UNC undergraduate *Spring & Summer 2019*
  - MaryClare Caldwell, UNC undergraduate *Summer 2019*
  - Steven Mordowski, UNC undergraduate *Summer 2019*
  - Hannah Steen, UNC undergraduate *Summer 2019*
  - Hannah Knotts, UNC undergraduate *Summer 2019*
  - Noelle Di Grazia, UNC undergraduate *Summer 2019*
  - Elizabeth Baker, UNC undergraduate *Summer 2019*
  - Glamara Galeas, UNC undergraduate *Summer 2019*
  - Ali Saldana-Montavon, UNC undergraduate *Summer 2019*
  - Susan McElroy, UNC undergraduate *Summer 2019*
  - Sarah Richman, UNC undergraduate *Summer & Fall 2018, Spring 2019*
  - Alex Aspuru, UNC undergraduate *Fall 2018-Spring 2019*
  - Megan Maness, UNC undergraduate *Fall 2018, Spring 2019*
  - Heather Cooke, UNC Master's *Fall 2018*

- Andrea Brandt, UNC Master's *Fall 2018*
- Erin Hoover, UNC undergraduate *Spring & Fall 2018, Spring 2019*
- Amanda Ritch, UNC undergraduate *Fall 2018*
- Sarah Pupa, UNC undergraduate *Spring, Summer 2017*
- **Master's Level Clinical Supervision**
  - Halie Ellinger, UNC *Summer 2019*
  - Dana Sampson, UNC *Spring, Summer 2019*
  - Christine South, UNC *2018-2019*
  - Camille Herring, UNC *2018-2019*
  - Danielle Campion, UNC *Spring 2018*
  - Amanda Monaco, UNC *Spring & Fall 2018, Spring 2019*
  - Sarah Cloud, UNC *Summer, Fall 2018*
  - Jill Frink, UNC *Fall 2018*
  - Sarah Steuterman, GSU *Spring 2015*

## **Volunteer/Community Experience**

- **Partners of the Americas Bolivian Autism Project** *2016-present*
  - Helped to foster interdisciplinary parent and professional groups throughout various cities and regions in Bolivia with the goal of improving the health and education infrastructure around autism.
  - Project Coordinator for webinar series designed for Bolivian parents and professionals: <https://www.med.unc.edu/ahs/pearls/service/en-espanol/>
- **Preschool Bilingual Storytime** *Fall 2019 - present*
  - Presenter for local public library's series of Spanish/English storytimes for preschool-aged children and their families
- **Hispanic Families Center** *2016-2019*
  - Consultant for Language is the Key workshops and developmental assessments

## **Specialized training, certificates, licenses**

- **License in Speech Language Pathology**, North Carolina Board of Examiners for Speech Language Pathologists and Audiologists, *2015-present #11776*
- **Certificate of Clinical Competence in Speech Language Pathology**, American Speech-Language-Hearing Association, *2011-present, #12148564*
- **Mullen Scales of Early Learning research administration training**, *Parents and Infants Engaged Project, Fall 2017*



- **Community Engagement Fellowship training**, Carolina Center for Public Service, 2016
- **Autism Diagnostic Observation Schedule clinical training**, *University of North Carolina, Spring 2016*
- **Differential Ability Scales research administration training**, *Early Development Project, Fall 2015*

### **Honors/Awards**

- Student Research Ambassador Award 2019  
*Department of Allied Health Sciences, UNC-CH*
- Ronald W. Hyatt Rotary Public Service Award 2018-2019  
*Carolina Center for Public Service*
- Community Engagement Fellowship 2016-2017  
*Carolina Center for Public Service*
- Most Outstanding Master's Student Award 2011  
*Georgia State University*
- NIDCD Student Fellowship 2010  
*Clinical Aphasiology Conference*