

# Gavkhar Abdurokhmonova

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## EDUCATION

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### **Ph.D., University of Maryland, College Park**

Dept. of Human Development and Quantitative Methodology 2027 (expected)  
Advisor: *Rachel R. Romeo, PhD*

### **M.S., Long Island University**

Mental Health Counseling May 2019  
GPA: 4.0

### **Combined B.S. & M.S., with Honors Lomonosov Moscow State University**

Psychology, with specialization in Social Psychology May 2014  
Advisor: *Julia Babaeva, Ph.D.*  
GPA: 3.93

## CERTIFICATES

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Certificate in Neuroscience and Cognitive Sciences 2025 (expected)  
*University of Maryland, College Park*

## FELLOWSHIPS

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University of Maryland Dean's Fellowship 2022-2024  
University of Maryland Flagship Fellowship 2022-2027

\*The Flagship Fellowship is the UMD's premier recruitment fellowship for the most promising incoming doctoral students

## HONORS & AWARDS

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Broadening Participation in Graduate Education Award, UMD 2023  
Graduate Student Travel Award, Society for Research in Child Development 2023  
Finalist for the Paul & Daisy Soros Fellowship for New Americans 2023

\*Top 3% of > 2,000 applicants

Jacob K. Goldhaber Travel Award 2022  
Phi Kappa Phi 2019

### Graduate Assistantship Awards:

*Advisor: Valerie Lava, Ed.D.* May 2018

*Advisor: Alicia A. Alonso-Cappas, M.S., CCC-SLP, TSSLD* May 2018

*Advisor: Kiran Arora, Ph.D., LMFT* Jan 2018

Finalist award for the master's thesis competition at Lomonosov MSU 2014  
DAAD German Academic Exchange Service Award 2014  
DAAD German Academic Exchange Service Award 2012

## TRAINING

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Analysis of Functional NeuroImages (AFNI) Bootcamp (Oct 23 – 27, 2023), Bethesda, MD.  
NeuroHackademy 2023 (Aug 6 – Aug 19, 2023) in-person, Seattle, WA  
MRI operator of Siemens 3T Prisma Fit scanner at Maryland Neuroimaging Center (certified Oct 2023)

## MENTORED TRAINEES

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Ishangi Mishra (2023-2024) (NextGen Psych Scholars program)  
Tanvi Tomar (2023-2024) (NextGen Psych Scholars program)  
Sarah Imtiaz (2022-2023) (NextGen Psych Scholars program | current position: PhD student at University of Campania, Italy)  
Ama Arhin (2022-2023) (undergraduate research assistant | LEAD lab)  
Abria Simmons (2022-2024) (undergraduate research assistant | LEAD lab)  
Alexandra Haralanova (2023-2024) (undergraduate research assistant | LEAD lab)

## PROFESSIONAL EXPERIENCE

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<u>Co-Organizer of One-Day Workshop</u>	Oct, 2023
Funded by Graduate Field Committee in Developmental Science, UMD, College Park	
Title: <i>Context, Cognition, and Change: How Strengths-Based Approaches Can Address Inequality</i> . Invited speaker: Dr. Diana Leyva	
<u>Co-Organizer of Flux Society's Sensitive Periods podcast</u>	Oct 2023-present
Other co-organizers: Dr. Andrew Lynn; Dr. Theresa Cheng, Matt Mattoni (PhD student)	
<u>Member of Communications Committee for Fetal, Infant, and Toddler Neuroimaging Group (FIT'NG)</u>	Oct, 2023-present
<u>Editor</u>   Application Statement Feedback Program (ASPF) <sup>+</sup>	2022 - present
<u>Mentor</u>   NextGen Psych Scholars Program <sup>+</sup>	2022 - present

<sup>+</sup>Volunteer-based student-led programs aimed to provide tailored mentorship to underrepresented (e.g., BIPOC, low-income, first-gen, LGBTQIA+) students interested in applying to psychology PhD programs  
Funded by Broadening Participation in Graduate Education Award, UMD

## STUDENT LEADERSHIP

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Graduate Student Board Representative (elected)   Language Science Center, UMD	2023 - 2025
Vice-President of Communications (elected)   HDGSO*, UMD	2023 - present
First Year Representative   HDGSO*, UMD	2022-2023

\*Human Development Graduate Student Organization

## COMMUNITY SERVICE AND OUTREACH

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Monthly lab volunteering at Children's Playtime Project	2022 - present
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## PEER REVIEWED PUBLICATIONS

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Published

Beebe, B., **Abdurokhmonova G.**, Lee, S.H., Champagne, F., Rauh, V., Algermissen, M., Herbstman J., Margolis, A.E. (2024). Predicting one-year Bayley scales from four-month mother-infant self- and interactive contingency: A view from microanalysis. (Invited submission to the journal of *Infant Behavior & Development*).

Taylor E.K., **Abdurokhmonova G.** & Romeo R.R. (2023). Socioeconomic Status and Reading Development: Moving from “Deficit” to “Adaptation” in Neurobiological Models of Experience-Dependent Learning. *Mind, Brain and Education*, 1-10. <https://doi.org/10.1111/mbe.12351>

Kim, G.K., **Abdurokhmonova, G.**, Rowe, M.L., McLaughlin, K.A., Lengua, L.J., & Romeo, R.R. (2023). The role of conversational semantic contingency on children’s language development across socioeconomic backgrounds. *Proceedings of the 47th Boston University Conference on Language Development*, Cascadilla Press.

Brooks, P.J., **Abdurokhmonova, G.**, Gravelle, C.D., Zapparrata, N.M., Seiger-Gardner, L. (2023) Is lexical priming impaired in developmental language disorder? *Proceedings of the 47th Boston University Conference on Language Development*, Cascadilla Press.

Fisch, S.M., Hirsh-Pasek, K., **Abdurokhmonova, G.**, Davis, L., Fisch, N., Fisch, S.R.D., Fletcher, K., Pesch, A., Tomforde, J., Volpe, C., & Wright, C.A. (2022). *Sesame Street Seasons 51-52 pilot summative study*. Teaneck, NJ & Philadelphia, PA: MediaKidz Research & Consulting & Temple University.

Under Review: Revision Invited

Giebler M.A., Yoshikawa, H., Troller-Renfree, S.V., Scott, M.E., **Abdurokhmonova, G.**, Bravo, B., Salazar, Y., Magnuson, K. A., Gennetian, L.A., Fox, N.A., Noble, K.G. Associations between maternal parenting behavior and infant brain activity amongst families experiencing poverty. *Developmental Psychobiology*.

Under Review: Initial Submission

Fletcher K., Pesch A., Wright C.A., **Abdurokhmonova G.**, & Hirsh-Pasek K. Playful learning as a robust, adaptable, culturally relevant pedagogy to foster children’s 21<sup>st</sup> century skills. *Journal of Children and Media*: Invited Special Issue.

Fish, S.M., Fletcher, K., **Abdurokhmonova, G.**, Davis, L., Pesch, A., Segui, I., Shulman, M., Siltan, N., Tomforde, J., Volpe, C., Wright, C.A., Hirsh-Pasek, K. “I wonder, what if, let’s try”: Sesame Street’ playful learning curriculum impacts children’s problem solving.

Fish, S.M., Hirsh-Pasek K., **Abdurokhmonova, G.**, Davis, L., Fisch, N., Fisch, S.R.D., Fletcher, K., Pesch, A., Tomforde, J., Volpe, C., Wright, C.A. Remote observation of hands-on problem solving among preschool children: Methodological challenges and solution. *Journal of Children and Media*: Invited Special Issue.

In Preparation

**Abdurokhmonova G.**, Taylor E., McDorman S.A., Merchant J.S., Romeo R.R. *Does bilingual exposure protect against SES disparities in selective auditory attention? A fMRI study in young children.*

**CONFERENCE PRESENTATIONS**

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**Abdurokhmonova G.** Does Bilingual Advantage Exist? View from Development Science and Developmental Neuroscience Perspectives [lightning talk] Language Science Day 2023, University of Maryland]

**Abdurokhmonova G.**, Taylor E., McDorman S.A., Merchant J.S., Romeo R.R. *Does bilingual exposure protect against SES disparities in selective auditory attention? A fMRI study in young children.* [accepted as a pre-registered poster presentation]. Flux Congress & FIT'NG 2023, Santa Rosa, CA.

Taylor, E.K., McDorman, S.A., **Abdurokhmonova, G.**, & Romeo, R.R. *Effects of sleep & stress on early childhood structural brain development & self-regulation.* Pre-registered at [osf.io/dn9pg](https://osf.io/dn9pg). [accepted as a pre-registered poster presentation]. Flux Congress 2023, Santa Rosa, CA.

**Abdurokhmonova G.**, Wagh A., Liu R., Margolis A., Herbstman J., Champagne F., Lee S.H. & Beebe B. (2023, March 23-25). *Predicting 12-month infant vocalization frequency from 4-month infant vocalization frequency and maternal depression.* [Flash talk]. Society for Research in Child Development 2023 Biennial Meeting, Salt Lake City, UT.

Fletcher, K., Pesch, A., Wright, C., **Abdurokhmonova, G.** & Hirsh-Pasek, K. (2023, March 23-25). *Playful learning as a robust, adaptive, culturally relevant pedagogy to foster children's 21<sup>st</sup> century skills.* [Paper symposium]. Society for Research in Child Development 2023 Biennial Meeting, Salt Lake City, UT.

Fisch, S., Hirsh-Pasek, K., **Abdurokhmonova, G.**, Davis, L., Fisch, N., Fisch, S., Fletcher, K., Pesch, A., Tomforde, J., Volpe, C., Wright, C. "I wonder, what if, let's try": Impact of Sesame Street's playful learning curriculum on children's problem solving. [Paper symposium]. Society for Research in Child Development 2023 Biennial Meeting, Salt Lake City, UT.

Brooks P., **Abdurokhmonova G.**, Gravelle C.D., Zapparrata N. & Seiger-Gardner L. (2022, November 3-6). *Is lexical priming impaired in developmental language disorder?* [Stage talk presentation]. Boston University Conference on Language Development 2022 Annual Meeting, Boston, MA.

Margolis, A., Goolsby, L., Lee, J., Novak, K., Leaf, Z., DelGaudio, R., **Abdurokhmonova, G.**, ... Herbstman, J. & Beebe, B. (2022, July 7-10). *Prenatal exposure to environmental tobacco smoke and infant self-regulation.* [Poster presentation]. International Congress of Infant Studies XXIII Biennial, Ottawa, Canada.

**Abdurokhmonova G.**, Zapparrata N.C., Gravelle C.D., Brooks P. J. (2022, March 3-5). *Is predictive processing impaired in developmental language disorder? A meta-analysis of lexical priming effects*. [Stage (talk) presentation]. Eastern Psychological Association 2022 Annual Meeting, New York City, NY.

Giebler, M.A, Troller-Renfree, S.V., Scott, M.E., Salazar, Y., **Abdurokhmonova G.**, Bravo, B., Noble, K.G. (2021, November 10-12). *Maternal stress and variations in parenting behavior in a sample of mother-infant dyads experiencing poverty*. [Poster presentation]. International Society for Developmental Psychobiology 2021 Annual meeting, Chicago, IL.

Beebe, B., Bigelow, A., Galligan, R., Terrace, H., Goolsby, L., Wagh, A., Emanet, N., Jones S., Bowman, A., **Abdurokhmonova G.**, ... Lee, S.H. (2021, April 7-9). *Optimal and nonoptimal patterns of attentional focus on partner and object at 12 months and 4-month precursors*. [Poster presentation] Society for Research in Child Development 2021 Virtual Biennial Meeting, Online.

Beebe, B., Crown, C., Bruynesteyn L., DelGaudio, R., Bowman, A., Ende, R., Wagh, A., Jones, S., Liu, J., **Abdurokhmonova G.**, ... Lee, S.H. (2020, August 6-8). *Pregnant and widowed on 9/11: Mother-infant and stranger-infant vocal rhythm coordination at 4 months*. [Poster presentation] American Psychological Association 2020 Annual Convention, Washington, DC.

## **MENTORED POSTER PRESENTATIONS**

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\*Denotes mentee

\*Simmons, A., Taylor, E.K., **Abdurokhmonova, G.**, Romeo, R.R. (April, 2023). Inclusive cap-based neuroimaging: Best practices for improving participant access through hair equity. Poster presented at University of Maryland Undergraduate Research Day, College Park, MD

\*Arhin, A., **Abdurokhmonova G.**, Taylor, E.K., & Romeo, R.R. (April, 2023). Demographic variation in parent-child relationships & language development in preschool. Poster presented at University of Maryland Undergraduate Research Day, College Park, MD

## **TEACHING EXPERIENCE**

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### **Teaching Assistant:**

EDHD 400: Child Growth and Development (Undergrad.)

Spring 2023  
Instructor: Dr. Melanie Killen

EDHD200: Paradigms and Perspectives in Human Development (Undergrad.)

Fall 2022, 2023  
Instructor: Dr. Rachel Romeo

## **RESEARCH EXPERIENCE**

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Project Coordinator (2020 – 2022)

*Prenatal endocrine-disrupting chemicals and social/cognitive risk in mothers and infants: Potential biologic pathways.* [1R01ES027424-01A1 (NIH)]  
PIs: Beatrice Beebe, PhD. & Julie Herbstman, PhD.

#### Research Assistant (2019 – 2022)

Communication Sciences Laboratory, NYSPI, Columbia University

PI: Beatrice Beebe, PhD

Infant & Child Laboratory, Temple University

PI: Kathy Hirsh-Pasek, PhD

Neurocognition, Early Experience and Development (NEED) Laboratory, Teachers College, Columbia University

PI: Kimberly Noble, PhD

Language Development Laboratory, CUNY Graduate Center

PI: Patricia Brooks, PhD

Goldman Laboratory, Columbia University Medical Center

PI: Sylvie Goldman, PhD

#### **CLINICAL EXPERIENCE**

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Good Shepherd Services, Transit Tech Career and Technical Education High School, NYC

Supervisor: Heather Burack, LCSW

#### **DOCUMENTARY FILM PRODUCTION**

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Chief editor for:

“Joining your baby’s distress moments: A story of one mother and infant” [Published Apr 2, 2023] <https://www.youtube.com/watch?v=NI3BRYd7XfY>

“Decoding mother-infant interaction: A story of one mother and infant” [Published Nov 23, 2021] <https://www.youtube.com/watch?v=-60yYJvztJ8&t=3s>

#### **LANGUAGES**

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*Native:* Uzbek, Russian

*Fluent:* English, Spanish

*Advanced Proficiency:* German, French, Italian

#### **SKILLS**

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SPSS IBM, R, Python, GitHub, Microsoft Office (Excel, Word, PowerPoint), Qualtrics, PsychoPy, Adobe Premiere Pro, AFNI (Analysis of Functional NeuroImages)