

**Armen Bagdasarov**  
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armenbagdasarov.github.io

## EDUCATION

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- Expected 2026 Doctor of Philosophy in Clinical Psychology (Child Track)  
Duke University (Durham, NC)  
Advisor: Michael S. Gaffrey, PhD
- May 2018 Bachelor of Arts in Psychology with Distinction in Psychology, *Cum Laude*  
University of Pennsylvania (Philadelphia, PA)  
Minor: Russian Studies

## HONORS AND AWARDS

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### *Graduate*

- 2022 Research Travel Award, Charles Lafitte Foundation Program for Research in Psychology & Neuroscience (\$1,233)
- 2022 Research Travel Award, Society for Psychophysiological Research (\$700)
- 2022 Claire Hamilton Graduate Studies Conference Travel Award, Duke University (\$250)
- 2022 Travel Fellowship, Swiss National Science Foundation (\$1,800 CHF | ~\$1,841 USD)
- 2022 Summer Research Fellowship for First- and Second-Year Ph.D. Students, Duke University (\$8,250)
- 2021 Summer Research Fellowship for First- and Second-Year Ph.D. Students, Duke University (\$6,500)
- 2021 Graduate Research Fellowship, National Science Foundation (\$102,000 to self and \$36,000 to institution over three years; awarded in Spring 2021, but deferred funds to start in Fall 2022)
- 2021 Graduate Grant Award, Charles Lafitte Foundation Program for Research in Psychology & Neuroscience (\$5,000)

### *Postgraduate*

- 2020 Travel Award, International Society for Autism Research (\$500 – Funds not disbursed because conference cancelled due to COVID-19)
- 2019 Selected from a competitive national pool to attend the Diversity in Psychology Program at the University of Minnesota
- 2018 Postgraduate Travel Award, Yale Child Study Center (\$500)

### *Undergraduate*

- 2018 Morris Viteles Award for Excellence in Undergraduate Research in Psychology, University of Pennsylvania (\$750)
- 2018 Selected from a competitive national pool to attend Diversifying Psychology Visit Day at the University of Virginia
- 2017 Travel Grant, College of Arts & Sciences, University of Pennsylvania (\$500)
- 2017 Gutmann-Doyle Research Opportunities Fund, University of Pennsylvania (\$500)
- 2016–18 Dean's List, College of Arts & Sciences, University of Pennsylvania
- 2016 Undergraduate Summer Research Grant, Autism Science Foundation (\$3,000)
- 2014–18 Mayor's Scholarship, University of Pennsylvania (\$200,000)

## RESEARCH EXPERIENCE

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### **Graduate Student Researcher**

August 2020–Present

Advisor: Michael S. Gaffrey, PhD

Duke Early Experience and the Developing Brain Lab, Duke University, Durham, NC

**Sara S. Sparrow Fellow in Clinical Neuroscience**

July 2018–June 2020

Advisors: James McPartland, PhD &amp; Adam Naples, PhD

Yale Child Study Center, Yale School of Medicine, New Haven, CT

**Research Assistant**

May 2015–May 2018

Advisors: Robert Schultz, PhD &amp; Ashley de Marchena, PhD

Center for Autism Research, Children's Hospital of Philadelphia, Philadelphia, PA

**Research Assistant**

May 2017–May 2018

Advisor: Dianne Chambless, PhD

Department of Psychology, University of Pennsylvania, Philadelphia, PA

**TEACHING EXPERIENCE**

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**Teaching Assistant**

Fall 2022

Department of Psychology &amp; Neuroscience, Duke University, Durham, NC

Course: Looking Inside the Disordered Brain, An Introduction to the Functional Neuroanatomy of Psychopathology (PSY 277)

Instructor: Ahmad Hariri, PhD

**Teaching Assistant**

Fall 2021

Department of Psychology &amp; Neuroscience, Duke University, Durham, NC

Course: Abnormal Psychology (PSY 105)

Instructor: Michael S. Gaffrey, PhD

**Teaching Assistant**

Spring 2021

Department of Psychology &amp; Neuroscience, Duke University, Durham, NC

Course: Developmental Psychology: Introduction and Survey (PSY 103)

Instructor: Makeba Wilbourn, PhD

**Undergraduate Teaching Assistant**

Fall 2017 &amp; Spring 2018

Department of Psychology, University of Pennsylvania, Philadelphia, PA

Course: Introduction to Experimental Psychology (PSYC 001)

Instructor: Daniel Swingley, PhD

**CLINICAL EXPERIENCE**

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**Psychosocial Treatment Clinic**

June 2022–Present

Duke Child and Family Study Center, Duke Health, Duke University, Durham, NC

Supervisor: Christian F. Mauro, PhD

*Graduate Student Trainee***Duke Psychology Clinic**

August 2021–Present

Department of Psychology &amp; Neuroscience, Duke University, Durham, NC

Supervisors: David Rabiner, PhD, Ronald Batson, MD

*Graduate Student Trainee***Developmental Disabilities Clinic**

July 2018–June 2020

Yale Child Study Center, New Haven, CT

Supervisors: James McPartland, PhD, Julie Wolf, PhD, Ela Jarzabek, PsyD, Christine Cukar-Capizzi, PsyD, Pamela Ventola, PhD, Michele Goyette-Ewing, PhD

*Sara S. Sparrow Fellow in Clinical Neuroscience***McPartland Lab**

July 2018–June 2020

Yale Child Study Center, New Haven, CT

Supervisors: James McPartland, PhD, Julie Wolf, PhD, Ela Jarzabek, PsyD, Christine Cukar-Capizzi, PsyD

Sara S. Sparrow Fellow in Clinical Neuroscience

## PUBLICATIONS

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6. **Bagdasarov, A.**, Roberts, K., Bréchet, L., Brunet, D., Michel, C., & Gaffrey, M. S. (2022). Spatiotemporal dynamics of EEG microstates in four-to eight-year-old children: Age-and sex-related effects. *Developmental Cognitive Neuroscience*.  
<https://doi.org/10.1016/j.dcn.2022.101134>
5. Chung, Y. S., **Bagdasarov, A.**, & Gaffrey, M. S. (2022). Sex differences in the neural processing of reward feedback in young children. Manuscript submitted for publication.
4. Fowler, C. H., **Bagdasarov, A.**, Camacho, N. L., Reuben, A., & Gaffrey, M. S. (2022). Toxicant exposure and the developing brain: A systematic review of the structural and functional MRI literature. Manuscript submitted for publication. PsyArXiv. [doi.org/10.31234/osf.io/cfz2a](https://doi.org/10.31234/osf.io/cfz2a)
3. Han, G. T., Trevisan, D. A., Abel, E. A., Cummings, E. M., Carlos, C., **Bagdasarov, A.**, ... McPartland, J. C. (2022). Associations between sleep problems and domains relevant to daytime functioning and clinical symptomatology in autism: A meta-analysis. *Autism Research*.  
[doi.org/10.1002/aur.2758](https://doi.org/10.1002/aur.2758)
2. Trevisan, D. A., Altschuler, M. R., **Bagdasarov, A.**, Carlos, C., Duan, S., Hamo, E., ... McPartland, J. C. (2019). A meta-analysis on the relationship between interoceptive awareness and alexithymia: Distinguishing interoceptive accuracy and sensibility. *Journal of Abnormal Psychology*.  
[doi.org/10.1037/abn0000454](https://doi.org/10.1037/abn0000454)
1. de Marchena, A., Kim, E., **Bagdasarov, A.**, Parish-Morris, J., Maddox, B., Brodtkin, E. S., & Schultz, R. T. (2018). Atypicalities of gesture form and function in autistic adults. *Journal of Autism and Developmental Disorders*. [doi.org/10.1007/s10803-018-3829-x](https://doi.org/10.1007/s10803-018-3829-x)

## CONFERENCE POSTER PRESENTATIONS

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<sup>+</sup> Indicates mentored student

30. **Bagdasarov, A.** & Gaffrey, M. S. (2022, September). Association Between Resting-State EEG Microstates and Cognitive Processes During Early Childhood. Accepted for presentation at the *Annual Meeting of the Society for Psychophysiological Research*.
29. **Bagdasarov, A.** & Gaffrey, M. S. (2022, August). Associations Between the Spatiotemporal Dynamics of Microstates, Error-Related Activity, and Effortful Control During Early Childhood. *50 Years of Microstates*.
28. **Bagdasarov, A.**, Roberts, K., & Gaffrey, M. S. (2021, September). Temporal Dynamics of Resting State EEG: Age and Sex Effects in Young Children. *Flux Virtual Congress*.
27. Camacho, N. L., **Bagdasarov, A.**, Chung, Y. S., Caress, A., & Gaffrey, M. S. (2021, September). Concurrent and longitudinal associations between early childhood reward responsivity and irritability. *Flux Virtual Congress*.
26. Kala S., **Bagdasarov A.**, Carlos C., Cummings E., Naples A., McAllister T., & McPartland J. C. (2020, October). N170 Latency Delays are Observed in ASD Independent of Visual Attention to Specific Facial Features. *Society for Neuroscience Annual Meeting*. Presented virtually due to COVID-19.

25. **Bagdasarov, A.**, Carlos, C., Cummings, E., Kala, S., Parker, T. C., Naples, A., ... McPartland, J. C. (2020, May). Microstate Analysis of Resting-State Electroencephalography in Autism Spectrum Disorder. *International Society for Autism Research Annual Meeting*. Presented virtually due to COVID-19.
24. <sup>+</sup>Singer, L. H., **Bagdasarov, A.**, Cummings, E., Kala, S., Carlos, C., Wolf, J., ... McPartland, J. C. (2020, May). Sex Differences in the Association between Neural Response to Emotional Faces and Reciprocal Social Interaction in Adults with ASD. *International Society for Autism Research Annual Meeting*. Presented virtually due to COVID-19.
23. <sup>+</sup>Gabriel, E., Cummings, E., **Bagdasarov, A.**, Carlos, C., Kala, S., Naples, A., ... McPartland, J. C. (2020, May). Reduced Emotion-Specific Neural Response to Faces Relates to Impaired Emotion Recognition in Adults with ASD and Typical Development. *International Society for Autism Research Annual Meeting*. Presented virtually due to COVID-19.
22. <sup>+</sup>Eiland, A., Kala, S., **Bagdasarov, A.**, Cummings, E., Carlos, C., Naples, A., ... McPartland, J. C. (2020, May). Occipital Resting-State Alpha Lateralization As a Predictor of Social Responsiveness in Adults with Autism Spectrum Disorder (ASD). *International Society for Autism Research Annual Meeting*. Presented virtually due to COVID-19.
21. <sup>+</sup>Cummings, E., **Bagdasarov, A.**, Carlos, C., Kala, S., Naples, A., Wolf, J., ... McPartland, J. C. (2020, May). Neural Response to Emotional Faces As a Predictor of Anxiety in Adults with Autistic Traits. *International Society for Autism Research Annual Meeting*. Presented virtually due to COVID-19.
20. Zhou, M., Naples, A., Jackson, S. L., **Bagdasarov, A.**, Carlos, C., Kala, S., ... McPartland, J. C. (2020, May). Intermittent Theta Burst Stimulation over the Posterior Superior Temporal Sulcus Modulates Neural Response and Visual Attention to Faces in Autism Spectrum Disorder. *International Society for Autism Research Annual Meeting*. Presented virtually due to COVID-19.
19. McAllister, T., Naples, A., **Bagdasarov, A.**, Carlos, C., Cukar-Capizzi, C. C., Kala, S., ... McPartland, J. C. (2020, May). Convolutional Auto-Encoder for ERP Morphological Analysis. *International Society for Autism Research Annual Meeting*. Presented virtually due to COVID-19.
18. Carlos, C., **Bagdasarov, A.**, Cummings, E., Kala, S., Naples, A., McAllister, T., ... McPartland, J. C. (2020, May). Intraindividual Variability in Spectral Power Slope and Spectral Band Power Demonstrates Concordance with Sensory Processing Deficits in Adults with Autism Spectrum Disorder. *International Society for Autism Research Annual Meeting*. Presented virtually due to COVID-19.
17. Naples, A., Wolf, J., Carlos, C., Foss-Feig, J. H., Anticevic, A., Kala, S., **Bagdasarov, A.**, ... McPartland, J. C. (2020, May). Dynamics of E/I Activity Predict Social and Sensory Symptoms Transdiagnostically. *International Society for Autism Research Annual Meeting*. Presented virtually due to COVID-19.
16. Kala, S., Eiland, A., **Bagdasarov, A.**, Carlos, C., Cummings, E., Naples, A., ... McPartland, J. C. (2020, May). Resting EEG As a Predictor of Autism Severity in School-Aged Children with below Average Head Circumference: Results from the ABC-CT. *International Society for Autism Research Annual Meeting*. Presented virtually due to COVID-19.
15. Keller, K., Grosman, H., Naples, A., Kala, S., **Bagdasarov, A.**, Cummings, E., ... Foss-Feig, J. H. (2020, May). EEG Correlates of Excitatory/Inhibitory Balance during Visual Perception in Autism and Schizophrenia Spectrum Disorders. *International Society for Autism Research Annual Meeting*. Presented virtually due to COVID-19.

14. de Marchena, A., Watson, S., **Bagdasarov, A.**, Kim, E. S., Riff, A., & Schultz, R. T. (2020, May). More Evidence That Frequency Counts Are Insufficient for Understanding Nonverbal Communication Differences in ASD: Autistic Adults Use Head Gestures at the Same Rate As Controls. *International Society for Autism Research Annual Meeting*. Presented virtually due to COVID-19.
13. **Bagdasarov, A.**, Naples, A., McAllister, T., Stahl, D., Carlos, C., Kala, S., ...McPartland, J. C. (2019, May). Developmental Differences in N170 Morphology in Children with Autism Spectrum Disorder: Results from the ABC-CT Interim Analysis. *International Society for Autism Research Annual Meeting*. Montreal, Canada.
12. McAllister, T., Naples, A., **Bagdasarov, A.**, Carlos, C., Cukar-Capizzi, C. C., Hamo, E., ...McPartland, J. C. (2019, May). Spline Fitting for More Robust ERP Derived Dependent Variables. *International Society for Autism Research Annual Meeting*. Montreal, Canada.
11. Trevisan, D. A., Altschuler, M. R., **Bagdasarov, A.**, Carlos, C., Duan, S., Hamo, E., ...McPartland, J. C. (2019, May). Alexithymia Is Associated with Impaired Interoceptive Accuracy but Not Interoceptive Signal Perception in ASD and Other Populations. *International Society for Autism Research Annual Meeting*. Montreal, Canada.
10. <sup>+</sup>Muñoz Lavanderos, A., **Bagdasarov, A.**, Dravis, Z. M., Adeoye, L., Mahoney, B., Leung, J., ...de Marchena, A. (2019, May). Contextual Differences in Gesture Production in Verbally Fluent Individuals with ASD. *International Society for Autism Research Annual Meeting*. Montreal, Canada.
9. Leung, J., Dravis, Z. M., **Bagdasarov, A.**, Muñoz Lavanderos, A., Mahoney, B., Adeoye, L., ...de Marchena, A. (2019, May). Quantitative and Qualitative Features of Co-Speech Gesture in Verbally Fluent Individuals with ASD. *International Society for Autism Research Annual Meeting*. Montreal, Canada.
8. **Bagdasarov, A.**, Chambless, D. L., Schwartz, R., A. McCarthy, K. S., Milrod, B., & Barber, J. P. (2018, November). The Role of Adherence and Alliance in Changing Cognitive Misinterpretations during Cognitive-Behavioral Therapy for Panic Disorder. *Association for Behavioral and Cognitive Therapies Annual Convention*. Washington D.C.
7. **Bagdasarov, A.**, Kim, E. S., Dravis, Z. M., Maddox, B., Ferguson, E., Adeoye, L., ...Schultz, R. T., de Marchena, A. (2018, May). Representational Gestures Provide a Direct Link between Motor Behavior and Social Communication Deficits in ASD. *Meeting of the International Society for Autism Research*. Rotterdam, Netherlands.
6. de Marchena, A., **Bagdasarov, A.**, Kim, E. S., Dravis, Z. M., Maddox, B., Ferguson, E., ...Schultz, R. T. (2018, May). Adults with ASD Signal Conversational Turn Taking with Their Hands. *Meeting of the International Society for Autism Research*. Rotterdam, Netherlands.
5. **Bagdasarov, A.**, Kim, E. S., Zhang, Y., Dravis, Z. M., Cola, M., Maddox, B., ...Schultz, R. T., de Marchena, A. (2017, May). Motor Behavior as a Qualitative Difference in the Spontaneous Production of Co-Speech Hand Gestures by Adults with Autism Spectrum Disorders. *International Meeting for Autism Research*. San Francisco, CA.
4. Dravis, Z. M., **Bagdasarov, A.**, Kim, E. S., Zhang, Y., Cola, M., Maddox, B., ...Schultz, R. T., de Marchena, A. (2017, May). Adults with ASD Show Strengths and Weaknesses in Conversation during Referential Communication Task. *International Meeting for Autism Research*. San Francisco, CA.

3. Cola, M., Kim, E.S., Zhang, Y., **Bagdasarov, A.**, Dravis, Z. M., Maddox, B., ...Schultz, R. T., de Marchena, A. (2017, May). Features of Co-Speech Hand Gestures Help Predict Diagnostic Group Membership. *International Meeting for Autism Research*. San Francisco, CA.
2. Conca, M., Beroins, J., de Marchena, A., **Bagdasarov, A.**, Maddox, B., Ferguson, E., ...Schultz, R. T., Kim, E. S. (2017, May). Adults with ASD More Rigid When Establishing Common Ground during a Referential Communication Task. *International Meeting for Autism Research*. San Francisco, CA.
1. Zhang, Y., **Bagdasarov, A.**, Kim, E. S., Dravis, Z. M., Cola, M., Maddox, B., ...Schultz, R. T., de Marchena, A. (2017, May). Communicative Functions of Co-Speech Gestures during Conversation in Adults with ASD. *International Meeting for Autism Research*. San Francisco, CA.

## CONFERENCE ORAL PRESENTATIONS

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2. **Bagdasarov, A.** & Gaffrey, M. S. (2022, August). Feasibility and Within-Session Reliability of Microstate Analysis of Infant EEG. *50 Years of Microstates*.
1. **Bagdasarov, A.**, Naples, A., & McPartland, J. C. (2021, April). Age and Cognitive Ability Predict Peak Alpha Frequency During Resting-State Electroencephalography in Autistic Children. *Society for Research in Child Development*. Presented virtually due to COVID-19.

## INVITED PRESENTATIONS

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1. Virtual Lab Meeting (2022, March), Functional Brain Mapping Laboratory, University of Geneva, Geneva, Switzerland. PI: Christoph Michel, PhD.

## MENTORED STUDENTS

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Undergraduate Students:

1. Daniel DeVault, Honors Thesis Student, Class of 2022  
Thesis Title: The Relationship Between Neural and Environmental Predictors of Early Childhood Anxiety

## PROFESSIONAL SERVICE AND ACTIVITIES

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Ad Hoc Reviewer: \* Number of manuscripts reviewed in parentheses \*  
Brain Research (1)

University and Departmental Service:

Anti-Racism Community, Duke Department of Psychology & Neuroscience (2020–Present)

Outreach and Mentoring:

Peer Mentoring Fellow, Duke University (Fall 2022, Paid: \$1,000)

Mentor, Polygence (June 2022–Present, Paid: \$75 Hourly)

Vertical Integration Program, Duke Department of Psychology & Neuroscience (Summer 2021, Paid: \$2,200)

Cientifico Latino (2020–Present)

SPR

Ad Hoc Student Survey Subcommittee – SPR Committee to Promote Student Interests