

# Joelle Fuchs

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## EDUCATION

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### University of Maryland

Ph.D., Clinical Psychology  
Dr. Arianna Gard

College Park, MD  
2021- *Present*

### North Carolina State University

B.A., Biological Sciences  
*Concentration:* Social and Biological Determinants of Mental Health

Raleigh, NC  
2018

## RESEARCH INTERESTS

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Social Integration and Isolation  
Internalizing Psychopathology  
Qualitative Analysis  
Youth Participatory Action Research (YPAR)  
Community- level risk and protective factors in adolescent mental health

## AWARDS AND HONORS

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<b>Inaugural Inspirational Senior Award</b> , NC State University	2018
<b>Family First: Humanitarian Award</b> , NC State University	2018
<b>Dr. Lawrence Clark Leadership Award</b> , NC State University	2017
<b>BSB: Outstanding Person of the Month</b> , NC State University	2017
<b>Society for Multicultural Scientist: Outstanding Member</b> , NC State University	2015
<b>Multicultural Student Affairs Freshman Honors Award</b> , NC State University	2015

## RESEARCH EXPERIENCE

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### GARD Lab, University of Maryland—*Dr. Arianna Gard*

*Doctoral Researcher*, Developmental Psychology

College Park, MD  
2021 – *Present*

Assessing neighborhood-based effects on youth internalizing, cognitive risk, resilience, and neighborhood social context.

### Center for AIDS Research, Johns Hopkins University—*Dr. Leah Rubin*

*Research Program Coordinator*, General Internal Medicine

Baltimore, MD  
2019 – 2021

Explored mental health burden and neurocognitive impairment in adults living with HIV.

Acted as a research liaison between researcher and clients, coordinated research engagement for clinic clientele.

**Hope Lab, NC State University—Dr. Elan Hope** Raleigh, NC  
*Undergraduate Research Assistant, Social and Community Psychology* 2018  
Explored factors that influence teen-caregiver relationships via SPSS analyses in adolescent youth in the school setting.

**Bressler Lab, Johns Hopkins University-- Dr. Joseph Bressler** Baltimore, MD  
*Research Intern, Environmental Health and Engineering* 2017  
Analyzed the selective mediation of Ethyl Maltol on metal transport, and significance in e-cigarette use.

Engaged in cell culture methods, Reactive Oxygen Species (ROS), and MTT assays to determine oxidation and cell viability.

**Patisaul Lab, NC State University—Dr. Heather Patisaul** Raleigh, NC  
*Undergraduate Research Assistant, Biological Sciences* 2015 – 2018  
Assessed behavioral and reproductive impact of Diethylstilbestrol (DES) in rats.

Assisted in stereological assessment of the morphological effects of BPA on the developing rodent brain (CLARITY-BPA).

## PROJECT COORDINATION EXPERIENCE

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**GARD Lab, University of Maryland** College Park, MD  
*Youth Internship Program (YIP)* 2022  
7-week program designed to empower D.C. middle school youth as experts of their community through conducting research in their neighborhoods centered on the principles of YPAR.  
  
Trained interns in scientific research methods, quantitative data collection (e.g., Fitbit heart rate collection, observational data collection, air pollution monitoring), and data analytics (i.e., RStudio), and public speaking.  
  
Managed \$10,000 budget, 3 undergraduate staff, and 6 youth interns.

**Center for AIDS Research, Johns Hopkins University** Baltimore, MD  
*Brain Health Program: Computerized Impairment Screening* 2019 – 2021  
Assessed, consented and managed research records and EHR (i.e, Epic) for over 400 participants. Addressed queries from IRB and organized regulatory documents.  
  
Coordinated study visits, study payments, clinician triages, and clinic flow.

## HEALTHCARE EXPERIENCE

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- Rite Aid** Raleigh, NC  
*Pharmacy Technician* 2017 –2018  
Worked with customer relations, managed register, filled prescriptions, contacted doctors to verify patient records, resolved insurance issues.
- Maxim Healthcare** Raleigh, NC  
*Habilitation Technician* 2017 –2018  
Coordinated, developed, and implemented goal-oriented care with clients with disabilities to help foster and support independence.
- Mental Health Ambassador Program** Raleigh, NC  
*Mental Health Ambassador* 2015 –2017  
Designed, trained, implemented, and presented outreach programs addressing mental health and dismantling stigma across campus

## PUBLICATIONS

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1. **Fuchs, J.**, Wang, E., Wilds, T., Shariq, D., Mueller, C., Gard., A.M (2023). Facilitators and barriers to neighborhood social integration. [Manuscript in Preparation].
2. Rubin, L.H., Bhattacharya, D., **Fuchs, J.**, Matthews, A, Abdellah, S., Veenhuis, R., Langenecker, S.A., Phan, L., Weber, K.M., ...& Maki, P.M. (2022). Early life trauma and social processing in HIV: the role of neuroendocrine factors and inflammation. *Psychosomatic Medicine*.
3. Rubin, L. H., Severson, J., Marcotte, T. D., Savin, M. J., Best, A., Johnson, S., **Fuchs, J.B.**, ... & Moore, R. D. (2021). Tablet-Based Cognitive Impairment Screening for Adults with HIV seeking clinical care: Observational study. *JMIR mental health*, 8(9), e25660.
4. Witchey, S.K., **Fuchs, J.**, & Patisaul, H.B. (2019). Perinatal bisphenol A (BPA) exposure alters brain oxytocin receptor (OTR) expression in a sex-and region-specific manner: a CLARITY-BPA consortium follow-up study. *Neurotoxicology*, 74, 139-148.
5. Arambula, S.E., **Fuchs, J.**, Cao, J. & Patisaul, H.B. (2017). Effects of perinatal bisphenol A exposure on the volume of sexually-dimorphic nuclei of juvenile rats: A CLARITY-BPA consortium study. *Neurotoxicology*. 63: 33- 42.

## CONFERENCE PRESENTATIONS

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### Oral Presentations

1. **Fuchs, J.** & Bressler, J. (2017, August). The flavoring agent ethyl maltol selectively mediates metal transport. *Johns Hopkins Diversity Summer Internship Program (DSIP)*. Baltimore, MD.
2. **Fuchs, J.** & Patisaul, H.B. (2017, April). Put down the plastic: BPA and the developing brain. *National Conference of Undergraduate Research (NCUR)*. Memphis, TN.

3. **Fuchs, J.** & Patisaul, H.B. (2016, November). Evaluating BPA's effect on hormone-sensitive regions of the developing rat brain. *State of North Carolina Undergraduate Research Symposium (SNCURS)*. Durham, NC.
4. **Fuchs, J.** (2016, July). BPA and the brain. *BioCore Symposium*. Durham, NC.

## Poster Presentations

1. **Fuchs, J.**, Wang, E., Wilds, T., Shariq, D., Mueller, C., Gard., A.M (2023, November). Facilitators and barriers to neighborhood social ties. *International Symposium of Developmental Psychobiology*. San Diego, CA.
2. **Fuchs, J.** & Hope, E. (2018, July). Black Families' Project: Examining the influence of parental mindsets on teens. *NC State University Annual Summer Undergraduate Research and Creativity Symposium*. Raleigh, NC.
3. Arambula, S.E., **Fuchs, J.**, Cao, J., & Patisaul, H.B. (2017, November). Perinatal BPA (Bisphenol A) exposure has minimal effects on the volume of juvenile rat sexually-dimorphic nuclei: Results from a CLARITY-BPA consortium study. *Society for Neuroscience Annual Conference (SfN)*. Washington, D.C.
4. **Fuchs, J.** & Bressler, J. (2017, July). The flavoring agent ethyl maltol selectively mediates metal transport. *Leadership Alliance National Symposium*. Hartford, CT.
5. **Fuchs, J.** & Patisaul, H.B. (2017, May). Water bottle woes. *Triangle Society for Neuroscience Spring Neuroscience Conference (SfN)*. Cary, NC.
6. **Fuchs, J.** & Patisaul, H.B. (2016, October). The effects of BPA on the sexually dimorphic nucleus. *Crosstalk at NC State University*. Raleigh, NC.
7. **Fuchs, J.** & Patisaul, H.B. (2016, October). Assessing the morphological effects of BPA on the sexual dimorphic nucleus of perinatally exposed Sprague-Dawley rats. *NC Science Museum of Natural Sciences Science Saturday*. Raleigh, NC.
8. **Fuchs, J.** & Patisaul, H.B. (2016, September). BPA and the brain. *Lunch 'n Learn hosted by NC State Graduate School*. Raleigh, NC.

## TEACHING EXPERIENCE

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<b>Graduate Teaching Assistant</b> , University of Maryland	College Park, MD
<i><b>Basic Helping Skills: Research &amp; Practice</b></i> (36 students; 3 lab sections)	Fall 2023
Lab Instructor	
Graded papers and assignments	
Managed 9 Undergraduate Teaching Assistants	
<i><b>Introduction to Developmental Psychology</b></i> (147 students)	Spring 2023
Graded exams and projects	
Managed 4 Undergraduate Teaching Assistants	

<b><i>Introduction to Neuroscience (78 students)</i></b> Graded exams and projects Hosted exam review sessions	Spring 2022
<b><i>Basic Helping Skills: Research &amp; Practice (36 students; 3 lab sections)</i></b> Lab Instructor Graded papers and assignments Managed 9 Undergraduate Teaching Assistants	Fall 2021
<b>Guest Lecturer, University of Maryland</b>	College Park, MD
<b><i>Intro to Developmental Psychology: “Brain in Developmental Context”</i></b>	Feb. 2023
<b><i>Basic Helping Skills: Research &amp; Practice: “Therapy: 4 Types of Action”</i></b>	Nov. 2021

## LEADERSHIP, ORGANIZATIONS, AND SERVICE

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<b>BSOS BIPOC Collective, University of Maryland—Co-Founder</b>	2022
<b>Leadership Alliance, Johns Hopkins University—Scholar</b>	2017
<b>Society for Neuroscience, Triangle Chapter—Member</b>	2017
<b>Alternative Service Break: Guatemala, NC State University—Trip Leader</b>	2016- 2017
<b>Society for Multicultural Scientists, NC State University—President</b>	2016- 2017
<b>The LeaderShape Institute, NC State University—Trainee</b>	2016
<b>Counseling Center, NC State University—Mental Health Ambassador</b>	2015-2017
<b>Society for Multicultural Scientists, NC State University—Treasurer</b>	2015- 2016
<b>Initiative for Maximizing Student Development, NC State University—Scholar</b>	2014- 2018

## REFERENCES AVAILABLE UPON REQUEST