

Sarah C. Vogel, Ph.D.

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Boston University*

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EMPLOYMENT

2023 - present
Postdoctoral Associate
Department of Psychological and Brain Sciences
Boston University, Boston, MA
Advisor: Dr. Nicholas Wagner

EDUCATION

2023
Ph.D., Developmental Psychology
New York University, New York, NY
Advisors: Drs. Natalie Brito and Clancy Blair

2023
M.Phil, Developmental Psychology
New York University, New York, NY

2016
B.A., Psychology and French
Magna Cum Laude
University of Rochester, Rochester, NY
Honors advisors: Drs. Catherine Cerulli and Sheree Toth

HONORS AND AWARDS

2022
Steinhardt Dissertation Finishing Award
New York University, New York, NY

2022
Felix M. Warburg Memorial Award
Academic Excellence and Departmental Service
New York University, New York, NY

2021
Steinhardt Endowed Scholarship
Interdisciplinary Research on Applied Problems
New York University, New York, NY

2021
Conference Travel Award
International Society for Developmental Psychobiology
Chicago, IL

2020
Bernard R. Ackerman Award
Promise in Research, Activism, and Advocacy
New York University, New York, NY

2016	Herbert L. Zimmer Award Excellence in Undergraduate Psychology Research University of Rochester, Rochester, NY
2016	Neil D. Arvin Prize Excellence in French University of Rochester, Rochester, NY
2016	Jane R. Plitt Award Leadership and Community Service on Behalf of Women University of Rochester, Rochester, NY
2015	REACH Award Undergraduate Summer Research Funding University of Rochester, Rochester, NY
2012-2016	Dean's Scholarship Academic Achievement and Potential University of Rochester, Rochester, NY

PUBLICATIONS

*indicates equal author contribution

7. Querdasi, F. R.*, **Vogel, S. C.***, Thomason, M. E., Callaghan, B. L., & Brito, N. H. (2023). A comparison of the infant gut microbiome before versus after the start of the covid-19 pandemic. *Scientific reports*, 13(1), 13289.
6. Brandes-Aitken, A., Metser, M., Braren, S. H., **Vogel, S. C.**, & Brito, N. H. (2023). Neurophysiology of sustained attention in early infancy: Investigating longitudinal relations with recognition memory outcomes. *Infant Behavior and Development*, 70, 101807.
5. Brandes-Aitken, A., Braren, S., **Vogel, S. C.**, Perry, R. E., Brito, N. H., & Blair, C. (2022). Within-person changes in basal cortisol and caregiving modulate executive attention across infancy. *Development and Psychopathology*, 34(4), 1386-1399.
4. Lemus, A.*, **Vogel, S. C.***, Greaves, A. N., & Brito, N. H. (2022). Maternal anxiety symptoms associated with increased behavioral synchrony in the early postnatal period. *Infancy*, 27(4), 821-835.
3. **Vogel, S. C.**, Perry, R. E., Brandes-Aitken, A., Braren, S., & Blair, C. (2021). Deprivation and threat as developmental mediators in the relation between early life socioeconomic status and executive functioning outcomes in early childhood. *Developmental Cognitive Neuroscience*, 47, 100907.
2. **Vogel, S. C.**, Brito, N. H., & Callaghan, B. L. (2020). Early life stress and the development of the infant gut microbiota: implications for mental health and neurocognitive development. *Current Psychiatry Reports*, 22, 1-9.

1. **Vogel, S. C.**, Esterman, M., DeGutis, J., Wilmer, J. B., Ressler, K. J., & Germine, L. T. (2020). Childhood adversity and dimensional variations in adult sustained attention. *Frontiers in Psychology*, 11, 691.

MANUSCRIPTS IN PREPARATION

6. Graf, M.D., Murgueitio, N., **Vogel, S.C.**, Hicks, L., Propper, C., Kimmel, M. (in preparation). Prenatal stress and offspring gut microbiome: a cross-species systematic review
5. Wagner, N.J., Mills-Koonce, R., **Vogel, S.C.**, Huth, N., Willoughby, M. (in preparation). Predictive relations between nonlinear trajectories of hypothalamic-pituitary-adrenal axis functioning in the first four years of life and later callous-unemotional traits
4. Huth, N., Shakiba, N., **Vogel, S.C.**, Waller, R., Perkins, E., Paz, Y., Rossellini, A.J., Mills-Koonce, R., Willoughby, M., Wagner, N.J. (in preparation). Using machine learning to isolate physiological markers of CU traits across infancy and early childhood
3. **Vogel, S.C.**, Murgueitio, N., Graf, M.D., Mills-Koonce, R., Willoughby, M., Propper, C., Wagner, N.J. (in preparation). Characterizing structural and functional development of the gut microbiome, environmental contributions, and implications for the development of RDoC-associated constructs
2. **Vogel, S.C.**, Wagner, N.J., DeJoseph, M., Brandes-Aitken, A., Miller, E., Berry, D., Blair, C.* & Ku, S.* (in preparation). Dimensions of early life stress and resources and executive functions at age 5
1. **Vogel, S.C.**, Querdasi, F.R., Callaghan, B.L., Brito, N.H. (in preparation). Examining associations between caregiver stress, social support, and the infant gut microbiome

RESEARCH MANUALS

1. Passell, E., Dillon, D. G., Baker, J. T., **Vogel, S. C.**, Scheuer, L. S., Mirin, N. L., ... & Germine, L. (2019). Digital cognitive assessment: results from the TestMyBrain NIMH Research Domain Criteria (RDoC) field test battery report.
Link: <https://psyarxiv.com/dcszr/>

SCIENCE WRITING FOR THE GENERAL PUBLIC

2. **Vogel, S.C.** & Braren, S. (2021). [Social Isolation as Punishment: A Call to End Solitary Confinement. *The Creature Times*](#)
1. **Vogel, S.C.** (2020). [Education in the Time of COVID-19, from a Teacher in the South Bronx. *The Creature Times*](#)

INVITED TALKS

- March 2023 Biobehavioral and Socioemotional Development Lab
Boston University
- March 2023 Baby Bees Lab
New York University School of Medicine
- October 2022 Department of Psychology
University of Alabama Birmingham
- January 2022 Plasticity in Neurodevelopment Lab
Northeastern University

CONFERENCE TALKS

*indicates symposium chair

- April 2022 **Vogel, S.C.**, DeJoseph, M., Brandes-Aitken, A., Miller, E., Berry, D., Blair, C., Ku, S. *Latent profiles of early life stress and executive functions at age 5*. Talk presented at the annual meeting of the Cognitive Development Society, Madison, WI
- March 2022 **Vogel, S.C.***, Callaghan, B.L., Brito, N.H. *The early social environment and the development of the gut microbiota*. Talk presented at the annual meeting of the Eastern Psychology Society, New York, NY

SELECTED CONFERENCE POSTERS *indicates mentee

Vogel, S.C., Querdasi, F.R., Callaghan, B., Brito, N.H. (November 2022). Material deprivation, caregiver physiological stress, and the infant gut microbiota. Poster presented at International Society for Developmental Psychobiology Annual Meeting, San Diego, California.

Hume, A.*, **Vogel, S.C.**, Brito, N.H. (November 2022). A psychometric analysis of the infant behavior questionnaire pre- and post-COVID. Poster presented at International Society for Developmental Psychobiology Annual Meeting, San Diego, California.

Vogel, S.C., Brandes-Aitken, A., Salahin, T.*, Callaghan, B., Brito, N.H. (September 2022). Higher gut microbiota diversity is associated with lower high-frequency brain activity in infancy. Poster presented at Flux Society Annual Meeting, Paris, France.

Salahin, T.*, **Vogel, S.C.**, Brito, N.H. (July 2022). Comparison of Gut Microbiota Diversity in Breastfed, Formula-fed, and Mixed-fed Infants at 3 and 9 months. Poster presented at the International Congress on Infant Studies Biannual Meeting, Ottawa, Ontario, Canada.

Popoola, A.*, **Vogel, S.C.**, Brito, N.H. (November 2021). Impacts of Obstetric Racism on the Health of Black Mother-Infant Dyads: Examining the Mediating Role of Maternal Mental Health. Poster presented at International Society for Developmental Psychobiology Annual Meeting, Chicago, IL.

Vogel, S.C., Brandes-Aitken, A., Callaghan, B., Brito, N.H. (November 2021). Measuring associations between gut microbiota and EEG activity in infancy. Poster presented at International Society for Developmental Psychobiology Annual Meeting, Chicago, IL.

Vogel, S.C., Brandes-Aitken, A, Metser, M., Callaghan, B., Brito, N. (September 2020). Examining associations between the gut microbiota and brain development in infancy. Poster presented at FLUX Society Annual Virtual Meeting.

Greaves, A., Aitken, A., **Vogel, S.C.**, & Brito, N.H. (July 2020). Infant sleep patterns moderate the association between socioeconomic status and frontal brain activity. Poster presented at the International Congress on Infant Studies 2020 Virtual Bi-annual Meeting.

Vogel, S.C., Perry, R., Brandes-Aitken, A., Braren, S., Blair, C., Family Life Project Investigators (October 2019). Deprivation and threat as links between early life SES and executive functioning outcomes. Poster presented at the International Society for Developmental Psychobiology Annual Meeting, Chicago, IL.

Vogel, S.C., Blair, C.B. (May 2019). Parenting moderates relations between negative reactivity and behavioral inhibition in infancy. Poster presented at the Association for Psychological Science Annual Meeting, Washington, D.C.

Mirin, N.L, Baker, J.T., Dillon, D.G., **Vogel, S.C.**, Rutter, L.A., Pizzagalli, D.A., Germine, L.T. (September 2018). Development of an RDoC Field Test Battery for Capturing Neurocognition and Digital Phenotypes. Poster presented at the Society for Research in Psychopathology Annual Meeting, Indianapolis, IN.

Vogel, S.C., Esterman, M., DeGutis, J., Wilmer, J., Germine, L.T. (September 2018). Exposure to childhood sexual abuse and response inhibition in a large population-based sample of adults. Poster presented at the Society for Research in Psychopathology Annual Meeting, Indianapolis, IN.

Vogel, S.C., Esterman, M., DeGutis, J., Wilmer, J., Germine, L.T. (January 2018). Childhood adversity and dimensional variations in adult sustained attention. Poster presented at McLean Hospital Annual Research Day, Belmont, MA.

Kaduthodil, J.*, Wilmer, J., Dodell-Feder, D., **Vogel, S.C.**, Germine, L.T. (January 2018). Addressing gender and cultural biases in a popular test of mental state inferencing. Poster presented at McLean Hospital Annual Research Day, Belmont, MA.

Vogel, S.C., Esterman, M., DeGutis, J., Wilmer, J., Germine, L.T. (September 2017). Childhood adversity and dimensional variations in adult sustained attention. Poster presented at the Society for Research in Psychopathology Annual Meeting, Denver, CO.

TEACHING EXPERIENCE

2022-present

Adjunct Lecturer

Department of Early Childhood and Art Education
Brooklyn College, Brooklyn, NY

Courses taught:

- Research Methods Seminar (Master's level)
- Child Development (Master's level)

2022

Workshop Leader

Department of Applied Psychology
New York University, New York, NY

- Workshop: *Writing a discussion section*
- NYU QUEST undergraduate summer research program

2021

Workshop Leader

Department of Applied Psychology
New York University, New York, NY

- Workshop: *Doctoral professionalism*
- **Workshop:** *Writing a discussion section*
- NYU QUEST undergraduate summer research program

2021

Instructor

ISLAND Lab
New York University, New York, NY

- *Introduction to statistics and data analysis in R*
- 6-week workshop
- Undergraduate summer research assistants

2020

Workshop Leader

Department of Applied Psychology
New York University, New York, NY

- Workshop: *How to get published: developing and submitting research proposals and abstracts*
- QUEST undergraduate summer research program

- 2020 **Co-instructor**
 ISLAND Lab
 New York University, New York, NY
- *Introduction to statistics and data analysis in R*
 - 6-week workshop
 - Undergraduate summer research assistants
- 2019 **Co-creator and Co-instructor**
 ISLAND Lab
 New York University, New York, NY
- *Introduction to statistics and data analysis in R*
 - 6-week workshop
 - Undergraduate, post-bacc, and Master's level research assistants
- 2015 **Teaching Assistant**
 Department of Psychology
 University of Rochester, Rochester, NY
- Introduction to Psychology (Undergraduate)

MENTORSHIP

- 2017-present Jasmine Kaduthodil
- Post-baccalaureate job applications
 - Graduate school applications
- 2023 Polina Perelstein
- Independent research project
- 2022 Amy May Hume
- Independent research project
- 2022 Tehmeena Salahin
- Independent research project
- 2021-2022 Ayomide Popoola
- Independent research project
 - Graduate school applications
 - Post-baccalaureate job applications
- 2021 Gabrielle Ortecho
- Independent research project
- 2020-2021 Tyra Andrus
- Independent research project
 - Graduate school applications

PROFESSIONAL SERVICE

- Ad-hoc Reviewer* Journal of Child and Family Studies, Journal of Experimental Child Psychology, Journal of Family Violence, Journal of Applied Developmental Psychology
- 2021-present **Editor**
[Application Statement Feedback Program](#)
- 2022 **Doctoral Program Interview Day Coordinator**
Developmental Psychology Program
Department of Applied Psychology
New York University, New York, NY
- 2021-2022 **Doctoral Program Colloquium Organizer**
Developmental Psychology Program
Department of Applied Psychology
New York University, New York, NY
- 2020-2022 **Program Evaluation Analyst**
[Social Creatures](#)
New York, NY

MEDIA COVERAGE

- 2023 **KCBS Radio - [How has the coronavirus pandemic impacted infant gut health?](#)**
- 2023 **Nature News - [COVID lockdowns altered babies' microbiomes](#)**

OTHER TRAINING

- 2023 **Machine Learning: Theory and Applications**
Centerstat
Online
- 2022 **Summer Institute on Biological Approaches in the Social Sciences**
Northwestern University Institute for Policy Research
Evanston, IL
- 2020 **Microbiome Data Analytics Boot Camp**
Columbia Mailman School of Public Health
Online

2019

Structural Equation Modeling and Latent Variables
ICPSR Summer Program
Ann Arbor, MI

RELEVANT SKILLS

Data analysis and statistical programming in **R, Python, and MPlus**
Fluent in **French**