

# MARTA KOROM

National Institute of Mental Health, Intramural Research Program  
Section on Development and Affective Neuroscience  
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## EDUCATION AND RESEARCH TRAINING

<b>National Institute of Mental Health, Intramural Research Program</b>	2024 - Present
PI: Katharina Kircanski, PhD and Daniel Pine, PhD	
Position: Postdoctoral Research Fellow	
<b>University of Delaware, Department of Psychological and Brain Sciences, Newark, DE</b>	2018 - 2024
PhD in Clinical Science	
Dissertation title: Causal effects of enhanced parenting on resting-state graph properties of high-risk adolescents	
PI: Mary Dozier, PhD	
<b>Medical University of South Carolina, Charleston Consortium, Charleston, SC</b>	2023 – 2024
Clinical Psychology Pre-Doctoral Internship, Traumatic Stress Track	
PI: Carla Kmett Danielson, PhD	
<b>Teachers College, Columbia University, New York, NY</b>	2015 - 2018
MA in Personality and Psychopathology, Research Methods Concentration	
Thesis Advisors: Nim Tottenham, PhD, Bridget Callaghan, PhD & Michelle VanTieghem, PhD	
Additional Research Supervisors: George A. Bonanno, PhD & Randall Richardson-Vejlgaard, PhD	
<b>University of Szeged, Institute of Psychology, Szeged, Hungary</b>	
MA in Psychology	2012 - 2015
BA in Human Behavior Analysis	2009 – 2012

## RELATED EDUCATIONAL DEVELOPMENT

<b>University of the West Indies</b> , St. Augustine, Trinidad and Tobago	Spring 2014
Study-Away Scholarship	
<b>Trinity College</b> , Hartford, CT	Fall 2013
Kellner Scholarship awarded to 1 in 4 students from Hungary based on academic merit and leadership potential	

## RESEARCH AWARDS AND GRANTS

Best Research Paper Award, The Charleston Consortium Psychology Internship Program, MUSC (\$300)	2024
Young Investigator Award, Fetal, Infant, and Toddler Neuroimaging Group	2022
University of Delaware, Dissertation Fellowship (\$28,000)	2022
University of Delaware, Doctoral Fellowship Award (\$28,000)	2021
Graduate Student Scholarship, Hungarian Initiatives Foundation (\$11,000)	2016, 2017

## HONORS AND TRAVEL AWARDS

International Society of Developmental Psychobiology, Travel Award	2021, 2022
University of Delaware, Graduate Student Travel Award	2022, 2023
Fiorito Travel Award, University of Delaware, Department of Psychological and Brain Sciences	2019, 2021, 2023
International Student Scholarship, Teachers College, Columbia University	2017
Teaching Assistant Scholarship in Statistics, University of Szeged, Hungary	2015
Faculty of Honors, Trinity College, Hartford, CT	2013
Global Outreach Scholarship, Xavier High School, Appleton, WI	2006

## **PUBLICATIONS**

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+ Indicates trainee; \* Indicates equal first authorship

### **Published**

1. **Korom, M.**, Dozier, M., Chen, H. W., Macera, E., Tottenham, N., & Spielberg, J. M. Causal effects of an early attachment-based intervention on resting-state graph properties of adolescents at risk for maltreatment. *Biological Psychiatry: Global Reports*. Accepted.
2. Sylvester, C. M., **Korom, M.**, Camacho, M. C., Shultz, S., & Arichi, T. (2025). Highlights of the 2023 Fetal, Infant, and Toddler Neuroimaging Group annual meeting. *Developmental Cognitive Neuroscience*, 73, 101573. <https://doi.org/10.1016/j.dcn.2025.101573>
3. Siciliano, R. E., **Korom, M.**, Adams, Z., Chapman, J. E., Hall, K. E., Perhamus, G. R., Bounoa, N., Bernard, D., Amaya, S., & Danielson, C. K. (2025). Polyvictimization Profiles and Variations in Youth Mental Health Symptoms: A Person-Centered Approach. *Child Maltreatment*, 0(0). <https://doi.org/10.1177/10775595251334115>
4. Margolis, E. T.\*, Nelson, P. M.\* Fiske, F., Champaud, J. L.Y., Olson, H. A., Gomez, M. J. C., Dineen, Á. T., Troller-Renfree, S. V., Burgarelli, Ch., Donald, K. A., Howell, B., Scheinost, D., Spann, M., & **Korom, M.** (2025). Modality-Level Obstacles and Initiatives to Improve Representation in Fetal, Infant, and Toddler Neuroimaging Research Samples. *Developmental Cognitive Neuroscience*, 101505. <https://doi.org/10.1016/j.dcn.2024.101505>.
5. **Korom, M.**, Valadez, E., Tottenham, N., Dozier, M., & Spielberg, J. M. (2025). Preliminary Examination of the Effects of an Early Parenting Intervention on Amygdala-Orbitofrontal Cortex Resting-State Functional Connectivity Among High-Risk Children: A Randomized Clinical Trial. *Development and Psychopathology*, 1-9. <https://doi.org/10.1017/S0954579423001669>
6. Gigliotti-Manessis, A.\* Rutter, T. M.\* Cook, K., Merrill, L., **Korom, M.**, Selvanathan, T., Bick, J., & The Fetal, Infant, and Toddler Neuroimaging Group (2024). Perinatal risk and later intellectual and developmental disabilities (IDD). In: Valdovinos, M.G. (eds). *Intellectual and Developmental Disabilities. Contemporary Clinical Neuroscience*. Springer, Cham. [https://doi.org/10.1007/978-3-031-66932-3\\_9](https://doi.org/10.1007/978-3-031-66932-3_9).
7. Valadez, E. A., Tottenham, N., **Korom, M.**, Tabachnick, A. R., Pine, D. S., & Dozier, M. (2024). A Randomized Controlled Trial of a Parenting Intervention During Infancy Alters Amygdala-Prefrontal Circuitry in Middle Childhood. *Journal of the American Academy of Child and Adolescent Psychiatry*, S0890-8567(23)00343-X. Advance online publication. <https://doi.org/10.1016/j.jaac.2023.06.015>
8. **Korom, M.**, Tabachnick, A. R., Sellers, T., Valadez, E. A., Tottenham, N., & Dozier, M. (2023). Associations between cortical thickness and parasympathetic nervous system functioning during middle childhood. *Psychophysiology*, 60(12), e14391. <https://doi.org/10.1111/psyp.14391>
9. Spann, M. N., Wisnowski, J. L., HBCD Phase I Scanning Young Populations Working Group, Christopher D. Smyser, C. D., **Fetal, Infant, and Toddler Neuroimaging Group**, Howell, B., Dean, D.C. III. (2023). The Science, Art and Secrets of Scanning Young Children. *Biological Psychiatry*. <https://doi.org/10.1016/j.biopsych.2022.09.025>
10. Fetal, Infant, and Toddler Neuroimaging Group (FIT'NG), **Korom, M.**, Camacho, M. C., Ford, A., Taha, H., Scheinost, D., Spann, M., and Vaughn, K. A. (2022). An opportunity to increase collaborative science in fetal, infant, and toddler neuroimaging. *Biological Psychiatry*, S0006-3223(22)01436-6. Advance online publication. <https://doi.org/10.1016/j.biopsych.2022.07.005>
11. Bourne, S.V., **Korom, M.** & Dozier, M. (2022). Consequences of Inadequate Caregiving for Children's Attachment, Neurobiological Development, and Adaptive Functioning. *Clinical Child and Family Psychology Review*, 25, 166–181. <https://doi.org/10.1007/s10567-022-00386-4>
12. Pollatou, A., Filippi, C. A., Aydin, E., Vaughn, K., Thompson, D., **Korom, M.**, Dufford, A. J., Howell, B., Zöllei, L., Martino, A. D., Graham, A., FIT'NG Group, Scheinost, D., & Spann, M. N. (2022). An ode to fetal, infant, and toddler neuroimaging: Chronicling early clinical to research applications with MRI, and an introduction to an academic society connecting the field. *Developmental Cognitive Neuroscience*, 54, 101083. <https://doi.org/10.1016/j.dcn.2022.101083>
13. **Korom, M.\***, Camacho, M. C.\* Filippi, C. A., Licandro, R., Moore, L. A., Dufford, A., Zöllei, L., Graham, A. M., Spann, M., Howell, B., FIT'NG, Shultz, S., & Scheinost, D. (2022). Dear reviewers: Responses to common reviewer critiques about infant neuroimaging studies. *Developmental Cognitive Neuroscience*, 53, 101055. <https://doi.org/10.1016/j.dcn.2021.101055>

14. **Korom, M.**, Callaghan, B.L., VanTieghem, M., Silvers, J.A., Choy, T., Kalter, J., Blumenthal, E. and Tottenham, N. (2022). Shifting children's attentional focus to emotions during art museum experiences. *The British Journal of Developmental Psychology*, 40, 73-91. <https://doi.org/10.1111/bjdp.12390>
15. **Korom, M.**, Tottenham, N., Valadez, E., & Dozier, M. (2021). Associations between cortical thickness and anxious/depressive symptoms differ by the quality of early care. *Development and Psychopathology*, 1-12. doi:10.1017/S0954579421000845
16. **Korom, M.**, & Dozier, M. (2021). The importance of responsive parenting for vulnerable infants. *Advances in Child Development and Behavior*, 61, 43–71. <https://doi.org/10.1016/bs.acdb.2021.03.001>
17. VanTieghem, M., **Korom, M.**, Flannery, J., Varman, L., Choy, T., Caldera, Ch., Gabard-Durnam, L., Goff, B., Gee, D., Humphreys, K., Telzer, E., Shapiro, M., Louie, J., Fareri, D., Bolger, N., & Tottenham, N. (2021). Longitudinal changes in amygdala, hippocampus and cortisol development following early caregiving adversity. *Developmental Cognitive Neuroscience*, 48(100916). <https://doi.org/10.1016/j.dcn.2021.100916>
18. **Korom, M.**, Goldstein, A., Tabachnick, A.R., Palmwood, E.N., Simons, R.F., Dozier, M. (2020). Early parenting intervention accelerates inhibitory control development among CPS-involved children in middle childhood: A randomized clinical trial. *Developmental Science*, e13054. <https://doi.org/10.1111/desc.13054>

#### *Pre-Registered Reports*

1. Byrne, M. E., Haller, S., **Korom, M.**, Chen, E., Massac, L., Silverman, W. K., ... Pine, D. (2024, September 16). Gaze-Contingent Music Reward Therapy Augmentation of CBT for Pediatric Anxiety. *Open Science Framework*. <https://doi.org/10.17605/OSF.IO/TYWUK>

#### *Under Review*

1. **Korom, M.**, McSweeney, M., Zeytinoglu, S., Liuzzi, L., Pine, D. S., Fox, N. A. & Kircanski, K. The effects of age, sex, and depressive symptoms on change in P3 amplitude during adolescence. *Under review in Developmental Cognitive Neuroscience*.
2. Nelson, P., Sacks, D. D. , **Korom, M.**, Remec, N., Perkins, G. A., Cook, K. M., Stoyell, S. M., Evans, M. E., Moser, J., Capparini, Ch., Inala, S., Huszar, I. N., Zieff, M. R., Vernetti, A., Norton, E. S., Wilkinson, C., Arichi, T. Bridging the Gap: Translating Fetal, Infant, and Toddler Neuroimaging Insights into Clinical Practice. *Under review*.
3. Chen, H. W., Katz, D., **Korom, M.**, & Dozier, M. The effects of parental depression, income, and sensitivity in early childhood on the development of emotion regulation and lability in middle childhood. *Under review in Developmental Cognitive Neuroscience, FIT'NG Special Issue*.
4. Joseph, J., **Korom, M.**, Bounoua, N., Crum, K. I., Hall, K., Bustos, N., Somerville, L. H., Adams, Z. W., Carpenter, L. A., Halliday, C. A., McTeague, L. M., Sege, C. T., & Danielson, C. K. Developmental differences in neurocircuitry related to unpredictable threat: a functional magnetic resonance study in youth. *Under review*.

#### *In Preparation*

1. **Korom, M.**, Burk, D., Xu, E., Meigs, J., Givens+, T., Massac+, L., Pine, D. S., Brotman, M. A., Averbeck, B., Leibenluft, E., & Kircanski, K. Frustration disrupts reward prediction error signaling in irritable youth. *Analyses complete, write-up in progress*.
2. **Korom M.**, Dhima+, A., Zou+, J., Zugman, A., Nielsen, D., Pine, D., Korom, M. Longitudinal Precision Mapping of Frontostriatal Salience Network Expansion in Healthy Youth and Treatment-Seeking Depressed Adolescents. *Analyses in progress*.
3. **Korom, M.**, Cotton, K., Haynes, G.+, Spera+, R., Tottenham, N., Dozier, M., & Spielberg, M. J. Attachment during infancy shapes nucleus accumbens volume and depression risk in adolescents at risk for early caregiving adversities. *Analyses complete, write-up in progress*.
4. **Korom, M.**, Siciliano, R., Joseph, J., & Danielson, C. K. Predictors of nucleus accumbens volume and resilience factors associated with pediatric depressive symptoms: a longitudinal study. *Analyses complete, write-up in progress*.
5. Danielson, K. C., Hahn, A., Siciliano, R., **Korom, M.**, Moreland, A., Henry, L., Banks, D., Bernard, D., & Ruggiero, K. J. Integration of an mHealth tool for trauma-informed prevention for substance use and risky sexual behavior into TF-CBT

with teens and caregivers: Feasibility and preliminary outcomes from a pilot randomized controlled trial of TIPS. *Analyses complete, write-up in progress.*

6. **Korom, M.**, Chen, H. W., Tottenham, N., Dozier, M., & Spielberg, J. M. Early Parenting Intervention Effects on Amygdala Volume and Associated Internalizing Symptoms Among High-Risk Adolescents: A Randomized Clinical Trial. *Analyses in progress.*
7. **Korom, M.**, Garnett, M. L., Sellers, T., Carrera, P., Patel, K., Donzella, B. & Dozier, M. Functional coupling between two systems of hormonal regulation: diurnal cortisol regulation and cortisol reactivity. *Analyses complete, write-up in progress.*

## **SCIENTIFIC SOCIETY MEMBERSHIP**

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1. Division 7 of the American Psychological Association, Developmental Psychology
2. Division 53 of the American Psychological Association, Society of Clinical Child and Adolescent Psychology
3. Fetal, Infant, & Toddler Neuroimaging Group (FIT'NG)
  - 2020 – 2025 – Trainee Committee Member
  - 2023 – Programming Committee Member
  - 2023 – 2026 – Scholarly Works Committee Member
4. FLUX Society – Student member

## **JOURNAL EDITOR AND PEER REVIEWER EXPERIENCE**

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### **Editorial experience:**

- Guest Editor for the 2023 FIT'NG Special Issue in Developmental Cognitive Neuroscience (5-year IF: 6.4)
- Guest Editor for the 2024 FIT'NG Special Issue in Developmental Cognitive Neuroscience (5-year IF: 6.4)

**Ad-hoc reviewer experience:** Archives of Suicide Research, Journal of Child Psychology and Psychiatry, Biological Psychiatry, Brain Topography, Developmental Cognitive Neuroscience, Journal of Behavior Therapy and Experimental Psychiatry, Child and Adolescent Psychiatry and Mental Health, BMC Medicine, Developmental Psychobiology.

## **CLINICAL EXPERIENCE**

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### **Medical University of South Carolina, Charleston Consortium, Charleston, SC**

2023 – 2024

- Supervisors: Alexis Garcia, PhD, Regan Stewart, PhD, Angela Moreland, PhD, Cristina M. Lopez, PhD
  - Training focus:* Trauma-Focused CBT, Cognitive Processing Therapy, Prolonged Exposure Therapy, Written Exposure Therapy, Parent-Child Interaction Therapy
- Research Supervisor: Carla Kmett Danielson, PhD

### **Nemours / A.I. duPont Hospital for Children, Wilmington, DE**

2021 - 2023

- Supervisor: Christina Marie Cammarata, PhD
  - Training focus:* Parent-Child Interaction Therapy, Family-Based Therapy and CBT for Eating Disorders

### **Psychological Services Training Center, University of Delaware, Newark, DE**

2019 – 2023

- Supervisors: Ryan Beveridge, PhD, Tim Fowles, PhD, Briana Haut, PsyD, Franssy Zablah, PhD, Mary Dozier, PhD
  - Training focus:* Attachment and Biobehavioral Catch-up, Parent-Child Interaction Therapy, Cognitive Behavioral Therapy for Depression and Anxiety, Neuropsychological assessments

### **Dept. of Child & Adolescent Psychiatry, University of Szeged, Faculty of Medicine, Hungary**

Spring 2015

- Training focus:* Neuropsychological assessment

### **St. Jude's Home for Girls, Port of Spain, Trinidad and Tobago**

Spring 2014

- Supervisor: Nidhi Kirpalani, MA
  - Training focus:* Art and Supportive Group Therapy with Incarcerated youth

## **MENTORING EXPERIENCE**

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Alex Dhima (NIMH, Intramural Research Training Award recipient, June 2025 – present)

Joy Zhou (NIMH, Intramural Research Training Award recipient, June 2025 – present)

Tahjanee Givens (NIMH, Intramural Research Training Award recipient, May 2025 – present)

Lili Massac (NIMH, Intramural Research Training Award recipient, June 2024 – present)

Eugenia Giampetruzz (NIMH, Intramural Research Training Award recipient, October 2024 – January 2025)

Now: PhD Student at Standford University

Anna Stumps (University of Delaware, Graduate Student, Peer-Supervisor, Neuropsychological Assessments, 2022)

Elisa Macera (University of Delaware, Undergraduate Research Assistant and Post-Baccalaureate Research Associate, 2021 – 2023)

Now: PhD Student at the University of Southern California

Emma Margolis (University of Delaware, Post-Baccalaureate Research Associate, 2020-2022)

Now: PhD Candidate at Northeastern University

Rachel Fried (University of Delaware, Undergraduate Research Assistant, 2019 – 2021)

Now: PsyD Candidate at Yeshiva University

Maria DePinto (University of Delaware, Undergraduate Research Assistant, Thesis student, 2018)

Now: Manager in Biotechnology Innovation Organization

## **TEACHING EXPERIENCE**

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Attachment Theory and Research Seminar, Visiting Lecturer, Haverford College, Haverford, PA	Spring 2021
Professor: Stacia Bourne, PhD	
Developmental Psychology, Teaching Assistant, University of Delaware, Newark, DE	Spring 2019
Professor: Julie Hubbard, PhD	
Research Methods, Teaching Assistant, University of Delaware, Newark, DE	Fall 2018
Professor: Mary Dozier, PhD	

## **INVITED TALKS, WORKSHOPS, SYMPOSIA**

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Invited Speaker at the ABC Parenting Institute	Fall 2025
Research Talk, National Institute of Mental Health, Bethesda, MD	Spring 2023, Fall 2024 & Fall 2025
Graduate Student Application Workshop Co-Facilitator	Fall 2024 & 2025
Scientific Rounds Invited Speaker, University of Szeged, Szeged, Hungary	Spring 2023
FIT'NG Together Paper Discussion Leader for Korom et al., 2022	Fall 2022
Neuroscience for High School Students Mentor, Diversity Initiative, ABC Lab, Newark, DE	Spring 2021
Annual Research Methods Symposium Organizer, Teachers College, Columbia University	Spring 2017

## **COMPLETED TRAININGS**

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- MEG Bootcamp, NIH, Bethesda	Fall 2024
- AFNI Bootcamp, NIH, Bethesda	Fall 2024
- Intensive Longitudinal Data Modeling, CenterStats	Fall 2023
- Functional MRI Visiting Fellowship, Massachusetts General Hospital, Boston, MA	Fall 2016
- Facial Action Coding System (FACS), Teachers College, Columbia University, New York, NY	Fall 2015

## **LANGUAGES**

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Hungarian (native language), English (fluent), Italian and Serbian (working proficiency), Spanish (elementary level)