ETHAN M. MCCORMICK

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POSITIONS

Assistant Professor, Methodology and Statistics *2022 - present*
Institute of Psychology
Leiden University, Leiden, NL

Postdoctoral Fellow *2021 - 2022*
Lifespan Cognitive Dynamics Lab
Donders Institute for Brain, Cognition, and Behaviour
Radboud University, Nijmegen, NL

Consultant *2020 - present*
CenterStat
Courses: *Multilevel Modeling, Structural Equation Modeling, Longitudinal Structural Equation Modeling, Network Analysis, Mixture Modeling, Measurement Modeling, Machine Learning, Causal Inference*

Postdoctoral Fellow *2020 - 2021*
Cole Neurocognition Laboratory
Center for Molecular and Behavioral Neuroscience
Rutgers University, Newark, USA

EDUCATION

University of North Carolina at Chapel Hill *2020*
Ph.D. in Developmental Psychology, Quantitative Psychology Concentration
Supervisor: Dr. Eva Telzer
Dissertation Title: *Neural Network Plasticity in Response to Experience: Contributions of Learning and Development*

University of Illinois at Urbana-Champaign *2016*
M.A. in Developmental Psychology
Supervisor: Dr. Eva Telzer

University of Arkansas *2013*
B.S. (Honors) in Biochemistry and Biology

GRANTS AND AWARDS

2023-1510-00 (McCormick, PI) *2024 - 2026*
Jacobs Foundation Research Fellowship
Modeling Complex Growth in Underlying Math Ability
Role: Principle Investigator
Total Costs: 165,000 CHF
The goal of this fellowship is to model complex features of change (e.g., practice effects, growth) in mathematics ability during childhood by synthesizing timeseries and longitudinal growth models.

INV-009195 (Lloyd-Fox, PI) *2023 - 2025*
Bill & Melinda Gates Foundation
BRIGHT IMPACT: Implementing Modelling Pathways for Accelerating neuroCognitive (global) Toolkits.

Role: Co-Investigator
Total Costs: $747,350
This project seeks to identify and validate a "fingerprint" combination of brain function markers, that predict exposure phenotypes (i.e. undernutrition/caregiving context) in a low-income setting, such as rural Gambia.

202307720051 (Liu, Fellow) *2023 - 2027*
China Scholarship Council (CSC) - Leiden University Scholarship
Stepwise estimation approaches of growth mixture models.
Role: Co-promotor, Daily supervisor
Supervision Team: Mark De Rooij, Promotor; Zsuzsa Bakk, Co-Promotor
The aim of this Ph.D. is to develop novel stepwise estimation methods for growth mixture models.

R25 MH125545-01 (Mills, PI) *2020*
National Institute of Mental Health
Modeling Developmental Change in the ABCD Study: Longitudinal Analyses for Clinical Outcomes.
Role: Co-Investigator
Total Costs: $121,800
This project funded the creation of a summer workshop on longitudinal modeling (https://abcdworkshop.github.io/).

R01 DA051127 (Telzer, Lindquist, & Prinstein, Co-PIs) *2020 - 2024*
National Institute on Drug Abuse
Neurobiological susceptibility to peer influence and drug use in adolescence.
Role: Graduate Student Consultant
Total Costs: $3,395,273
The goal of this project is to examine the neurobiological markers of social influence susceptibility.

Stanford PRISM Fellow *2019*
ABCD Summer Workshop Travel Award ($500) *2019*
Dashiell Departmental Travel Award, UNC ($1000) *2018*
Dashiell Dissertation Startup Award, UNC ($1000) *2017 - 2018*
Ernest C. Davenport Award for Outstanding Research by a
Student Who Enhances Diversity, UNC ($200) *2017 - 2018*
Social Affective Neuroscience Society Travel Grant ($250) *2015*
Rhymer's Fellowship, UIUC *2014 - 2015*

SOFTWARE

leni (R-package) *creator*
Linear Estimation with Nonlinear Inference

gimme (R-package) *contributor*
Group Iterative Multiple Model Estimation

PREPRINTS (TITLES LINK TO OPEN-ACCESS PDFS)

† Denotes mentored student or trainee

4. McCormick, E.M. (*preprint*) Deriving models of change with interpretable parameters: linear estimation with nonlinear inference. https://doi.org/10.31234/osf.io/r4vxb

3. McCormick, E.M., & Bauer, D.J. (*preprint*). How should we model the effect of "change" - or should we?. https://doi.org/10.31234/osf.io/pbhmq

2. †Parsons, S., & **McCormick, E.M.** (*preprint*). Two time points poorly capture trajectories of change: A warning for longitudinal neuroscience. https://doi.org/10.31234/osf.io/96ph3

1. McCormick, E.M., Borgeest, G.S., & Kievit, R.A. (*preprint*). Interrupted mediation: A cautionary note on using derived metrics as intervening variables in path models. https://doi.org/10.31234/osf.io/48xj5

PUBLICATIONS (TITLES LINK TO OPEN-ACCESS PDFS)

36. McCormick, E.M., Curran, P.J., & Hancock, G.R. (*in press*). Latent Growth Factors as Predictors of Distal Outcomes. *Psychological Methods.* Accepted November 2023.
https://doi.org/10.1037/met0000642 | Preprint

35. †Michel L.C., **McCormick, E.M.**, & Kievit, R.A. (*in press*). Grey and white matter metrics demonstrate distinct and complementary prediction of differences in cognitive performance in children: Findings from ABCD (N= 11 876). *Journal of Neuroscience.* Accepted November 2023. Preprint

34. Duell, N., Perino, M.T., **McCormick, E.M.**, & Telzer, E.H. (2023) Differential processing of risk and reward in delinquent and non-delinquent youth. *Social Cognitive and Affective Neuroscience, 18*(1), 1-9. https://doi.org/10.1093/scan/nsad040

33. McCormick, E.M., Byrne, M.L., Flournoy, J.C., Mills, K.L., & Pfeifer, J.H. (2023). The Hitchhiker's Guide to Longitudinal Models: A Primer on Model Selection for Repeated-Measures Methods. *Developmental Cognitive Neuroscience, 63,* 101281.
https://doi.org/10.1016/j.dcn.2023.101281 | Preprint | Codebook Companion |

32. McCormick, E.M., Cam-CAN, & Kievit, R.A. (2023). Poorer white matter microstructure predicts slower and more variable reaction time performance: evidence for a neural noise hypothesis in a large lifespan cohort. *Journal of Neuroscience, 43*(19), 3557-3566.
https://doi.org/10.1523/JNEUROSCI.1042-22.2023 | Preprint

31. †Jorgensen, N.A., Muscatell, K.A., **McCormick, E.M.**, Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2023). Neighborhood Disadvantage, Race, and Neural Sensitivity to Social Threat and Reward among Adolescents. *Social Cognitive and Affective Neuroscience, 18*(1), 1-12. https://doi.org/10.1093/scan/nsac053

30. †Metherell, T.E., Ghai, S., **McCormick, E.M.**, Ford T.J., & Orben, A. (2022). Digital exclusion predicts worse mental health among adolescents during COVID-19. *Scientific Reports, 12*, 19088.
https://doi.org/10.1038/s41598-022-23899-y | Preprint

29. †Do, K.T, **McCormick, E.M.**, Prinstein, M.J., Lindquist, K.A., & Telzer, E.H. (2022). Intrinsic connectivity within the affective salience network moderates adolescent susceptibility to negative and positive peer norms. *Scientific Reports, 12*, 17463. https://doi.org/10.1038/s41598-022-17780-1

28. McCormick, E.M., Arnemann, K.L., Ito, T., Hanson, S.J., & Cole, M.W. (2022). Latent functional connectivity underlying multiple brain states. *Network Neuroscience, 6*(2), 570-590.
https://doi.org/10.1162/netn_a_00234 | Preprint

27. Kievit, R.A, **McCormick, E.M.***, Fuhrmann, D.*, Deserno, M.*, & Orben, A*. (2022). Using large, publically available datasets to study adolescent development: Opportunities and challenges. *Current Opinion in Psychology, 44*, 303-308. *denotes equal contribution
https://doi.org/10.1016/j.copsyc.2021.10.003 | Preprint

26. McCormick, E.M. (2021). Multi-Level Multi-Growth Models: New opportunities for addressing developmental theory using advanced longitudinal designs with planned missingness. *Developmental Cognitive Neuroscience, 51*, 101001.
https://doi.org/10.1016/j.dcn.2021.101001 | Preprint

25. McCormick, E.M., Peters, S., Crone, E.A., & Telzer, E.H. (2021). Longitudinal Network Reorganization Across Learning and Development. *NeuroImage, 229*, 117784.
https://doi.org/10.1016/j.neuroimage.2021.117784 | Preprint

24. Duell, N., van Hoorn, J., **McCormick, E.M.**, Prinstein, M.J., & Telzer, E.H. (2021). Hormonal and neural correlates of prosocial conformity in adolescents. *Developmental Cognitive Neuroscience, 48*, 100936. https://doi.org/10.1016/j.dcn.2021.100936

23. Kwon, S-J., Do, K.T., **McCormick, E.M.**, & Telzer, E.H. (2020). Neural correlates of conflicting social influence on adolescent risk-taking. *Journal of Research on Adolescence, 31*(1), 139-152. https://doi.org/10.1111/jora.12587

22. Do, K.T., **McCormick, E.M.**, & Telzer, E.H. (2020). Neural sensitivity to conflicting attitudes supports greater conformity toward positive over negative influence in early adolescence. *Developmental Cognitive Neuroscience, 45*, 100837. https://doi.org/10.1016/j.dcn.2020.100837

21. Van Hoorn, J., **McCormick, E.M.**, Perino, M.T., Rogers, C.R., & Telzer, E.H. (2020). Differential behavioral and neural profiles in high-risk youth with conduct problems during risky decision-making. *Journal of Research on Adolescence, 30*(3), 599-615. https://doi.org/10.1111/jora.12546

20. Chen, X., **McCormick, E.M.**, Ravindran, N., Telzer, E.H., & McElwain, N.L. (2020). Maternal emotion socialization in early childhood predicts adolescents' amygdala-vmPFC functional connectivity to emotion faces. *Developmental Psychology, 56*(3), 503-515. http://dx.doi.org/10.1037/dev0000852

19. Perino, M.T., Guassi Moreira, J., **McCormick, E.M.**, & Telzer, E.H. (2019). Apples to apples? Neural correlates of emotion regulation differences between high and low risk adolescents. *Social Cognitive and Affective Neuroscience, 14*(8), 827-836. https://psycnet.apa.org/doi/10.1093/scan/nsz063

18. Kwon, S-J., Ivory, S.L., **McCormick, E.M.**, & Telzer, E.H. (2019). Behavioral and neural dysregulation to social reward and links to internalizing symptoms in adolescents. *Frontiers in Behavioral Neuroscience, 13*, 158. https://doi.org/10.3389/fnbeh.2019.00158

17. McCormick, E.M., McElwain, N.L., & Telzer, E.H. (2019). Alterations in adolescent dopaminergic systems as a function of early mother-toddler attachment: a prospective longitudinal examination. *International Journal of Developmental Neuroscience, 78*, 122-129. https://doi.org/10.1016/j.ijdevneu.2019.06.010

16. Do, K.T, **McCormick, E.M.**, & Telzer, E.H. (2019). The neural development of prosocial behavior from childhood to adolescence. *Social Cognitive and Affective Neuroscience, 14*(2), 129-139. https://doi.org/10.1093/scan/nsy117

15. McCormick, E.M., Gates, K.M., & Telzer, E.H. (2019). Model-based network discovery of developmental and performance-related differences during risky decision-making. *NeuroImage, 188*, 456-464. https://doi.org/10.1016/j.neuroimage.2018.12.042

14. McCormick, E.M., & Telzer, E.H. (2018b). Contributions of default mode network stability and deactivation to adolescent task engagement. *Scientific Reports, 8*(1), 18049. https://doi.org/10.1038/s41598-018-36269-4

13. Van Hoorn, J., **McCormick, E.M.**, Rogers, C.R., Ivory, S.L., & Telzer, E.H. (2018). Differential effects of parent and peer presence on neural correlates of risk taking in adolescence. *Social Cognitive and Affective Neuroscience, 13*(9), 945-955. https://doi.org/10.1093/scan/nsy071

12. McCormick, E.M., Van Hoorn, J., Cohen, J.R., & Telzer, E.H. (2018). Functional connectivity in the social brain across childhood and adolescence. *Social Cognitive and Affective Neuroscience, 13*(8), 819-830. https://doi.org/10.1093/scan/nsy064

11. Rogers, C.R., **McCormick, E.M.**, Van Hoorn, J., & Telzer, E.H. (2018). Neural correlates of sibling closeness and association with externalizing behavior in adolescence. *Social Cognitive and Affective Neuroscience, 13*(9), 977-988. https://doi.org/10.1093/scan/nsy063

10. Muscatell, K.A., **McCormick, E.M.**, & Telzer, E.H. (2018). Subjective social status and neural

processing of race in Mexican American adolescents. *Development and Psychopathology, 30*(5), 1837-1848. https://doi.org/10.1017/s0954579418000949

9. Van Hoorn, J., **McCormick, E.M.**, & Telzer, E.H. (2018). Moderate social sensitivity in a risky context supports adaptive decision-making in adolescence: Evidence from brain and behavior. *Social Cognitive and Affective Neuroscience, 13*(5), 546-556. https://doi.org/10.1093/scan/nsy016

8. Telzer, E.H., **McCormick, E.M.**, Peters, S., Cosme, D., Pfiefer, J.H., & van Duijvenvoorde, A.C.K. (2018). Methodological considerations for developmental longitudinal fMRI research. *Developmental Cognitive Neuroscience, 33*, 149-160. https://doi.org/10.1016/j.dcn.2018.02.004

7. McCormick, E.M., Perino, M.T., & Telzer, E.H. (2018). Not just social sensitivity: Selective adolescent suppression of social feedback during risk taking. *Developmental Cognitive Neuroscience, 30*, 134-141. https://doi.org/10.1016/j.dcn.2018.01.012

6. McCormick, E.M., & Telzer, E.H. (2018a). Not doomed to repeat: Enhanced neural tracking of errors promotes adaptive task performance during adolescence. *Journal of Cognitive Neuroscience. 30*(3), 281-289. https://doi.org/10.1162/jocn_a_01206

5. Qu, Y., Pomerantz, E.M., **McCormick, E.M.**, & Telzer, E.H. (2018). Youth's conceptions of adolescence predict longitudinal changes in prefrontal cortex activation and risk taking. *Child Development, 89*(3), 773-783. https://doi.org/10.1111/cdev.13017

4. McCormick, E.M., Qu, Y., & Telzer, E.H. (2017). Activation in context: Differential conclusions drawn from cross-sectional and longitudinal analyses of adolescents' cognitive control-related neural activity. *Frontiers in Human Neuroscience, 11*, 141. https://doi.org/10.3389/fnhum.2017.00141

3. McCormick, E.M., & Telzer, E.H. (2017b). Failure to retreat: Blunted sensitivity to negative feedback supports risky behavior in adolescents. *NeuroImage, 147*, 381-389. http://dx.doi.org/10.1016/j.neuroimage.2016.12.041

2. McCormick, E.M., & Telzer, E.H (2017a). Adaptive adolescent flexibility: Neurodevelopment of decision-making and learning in a risky context. *Journal of Cognitive Neuroscience, 29*, 413-423. https://doi.org/10.1162/jocn_a_01061

1. McCormick, E.M., Qu, Y., & Telzer, E.H. (2016). Adolescent neurodevelopment of cognitive control and risk-taking in negative family contexts. *NeuroImage, 124*, 989-996. http://dx.doi.org/10.1016/j.neuroimage.2015.09.063

BOOK CHAPTERS

1. Curran, P.J., Strauss, C., **McCormick, E.M.**, & McGinley, J.S. (2023). A multivariate growth curve model for three-level data. In H. Cooper (Ed.) APA Handbook of Research Methods in Psychology, Second Edition. Washington, DC: American Psychological Association.

MANUSCRIPTS UNDER REVIEW

4. Leshin, J.C., **McCormick, E.M.**, Doyle, C.M., Gates, K.M., Nam, C.S., & Lindquist, K.A. (*under review*). Situating Brain Activity in Social and Cultural Contexts During Emotion. *Emotion.*

3. McCormick, E.M., & Bauer, D.J. (*under review*). How should we model the effect of "change" – or should we?. *Psychological Methods.*

2. †Parsons, S., & **McCormick, E.M.** (*revise and resubmit*). "Don't peek at your data" applies to longitudinal studies too: two time points poorly capture trajectories of change. *Developmental Cognitive Neuroscience.*

1. McCormick, E.M., Borgeest, G.S., & Kievit, R.A. (*revise and resubmit*). Interrupted mediation: A cautionary note on using derived metrics as intervening variables in path models. *Perspectives on Psychological Science*.

MANUSCRIPTS IN PREPARATION

2. Schaaf, J.V., **McCormick, E.M.**, Sørensen, Ø., & Kievit, R.A. (*in prep*). Modeling asymmetric timeseries using thresholded dynamic parameters.

1. McCormick, E.M. (*in prep*). Deriving models of change with interpretable parameters: linear estimation with nonlinear inference.

INVITED TALK/WORKSHOP PRESENTATIONS

20. McCormick, E.M. (September 2023). Mixed Effect and Structural Equation Modeling for Longitudinal Analysis. Talk presented online to the Quant Family Collective.

19. McCormick, E.M. (September 2023). Introductory and Advanced Longitudinal Modeling. Workshops presented at the 2023 Flux Congress Annual Meeting, Santa Rosa, CA, US.

18. McCormick, E.M. (March 2023). Introduction to Longitudinal Modeling. Workshop presented to the Department of Psychology & MRC Cognition and Brain Sciences Unit. Cambridge, UK.

17. McCormick, E.M. (February 2023). Introduction to SEM. Workshop presented to the Embodied Cognition Group, Aarhus University. Seville, ES.

16. McCormick, E.M. (November 2022). Introduction to SEM. Workshop presented to the Department of Experimental Psychology, University of Oxford. Oxford, UK.

15. McCormick, E.M. (October 2022). Establishing Trajectories in Longitudinal Models. Workshop presented to the University of Zürich Department of Psychology. Zürich, CH.

14. McCormick, E.M., Pagliaccio, D., Romeo, R.R., & Cardenas-Iniguez, C. (September 2022). Combatting LGBTQIA+ Discrimination in Access and Opportunity: A Call to Action for the Flux Society. Talk presented at the 2022 Flux Congress Annual Meeting, Paris, FR.

13. McCormick, E.M. (March 2022). Advanced considerations in longitudinal modeling. Pre-conference workshop presented at the 2022 Flux Congress Annual Meeting, Paris, FR.

12. McCormick, E.M. (March 2022). Selecting the right model for analyzing already-collected longitudinal data. Practical presented to the Fetal, Infant, & Toddler Neuroimaging Group (FIT'NG) Trainee Committee (remotely). https://vimeo.com/691030727/2fdbfdcf2f

11. McCormick, E.M., (February 2022). Linking brain structure and behavioral variability in dynamic structural equation models. Talk presented as a part of the Mellenbergh Lecture Series for the Psychological Methods group at the Unviersity of Amsterdam, Amsterdam, NL (remotely). https://sites.google.com/view/mellenberghlectures/lectures

10. McCormick, E.M. (January 2022). Bringing dynamic structural equation models to bear to model inter-individual differences in intra-individual performance variability. Talk presented at the Radoud University Medical Center's Neurodevelopmental Disorders Group Meeting, Nijmegen, NL.

9. McCormick, E.M. (December 2020). Multi-level, multi-growth models: new opportunities for addressing developmental theory. Talk presented at the University of Melbourne, AU (remotely).

8. McCormick, E.M. (November 2020). Multi-level, multi-growth models: new opportunities for addressing developmental theory. Talks presented at Cambridge University, UK and the University of Oregon, OR, USA (remotely).

7. McCormick, E.M. (August 2019). Constructing model-based networks. Talk presented at the ABCD Workshop on Brain Development and Mental Health, Portland, OR, USA.

6. McCormick, E.M. (November 2018). Measuring Neural Change: Short and long-term plasticity in neural networks. Talk presented at the University of Pennsylvania, PA, USA.

5. McCormick, E.M. (May 2018). Plasticity during adolescence: neural systems which support flexible behavior. Talk presented at the University of Leiden, Leiden, NL.

4. McCormick, E.M. (March 2018). Neural Plasticity: Change in Response to Experience and Development. Talk presented at the University of North Carolina, Chapel Hill Developmental Lunch, Chapel Hill, NC, USA.

3. McCormick, E.M. (February 2017). Neural Markers of Adaptive Flexibility in Adolescence. Talk presented at the University of North Carolina, Chapel Hill Developmental Lunch, Chapel Hill, NC, USA.

2. McCormick, E.M. (April 2016). fMRI Study of Cognitive Control in Teens – Implications of cross-sectional vs. longitudinal analyses. Talk presented at the Modeling Longitudinal Data Meeting, Eugene, OR, USA.

1. McCormick, E.M. (April 2015). Longitudinal Links between Neural Development and Behavior in Early Adolescence. Talk presented at the University of Illinois, Urbana-Champaign Developmental Brownbag, Champaign, IL, USA.

CONFERENCE TALK PRESENTATIONS

12. McCormick, E.M. (September 2023). Using novel longitudinal models to test specific developmental hypotheses - examples in the study of adversity. Talk presented at the 2023 Flux Congress Annual Meeting, Santa Rosa, CA, US.

11. McCormick, E.M. (September 2022). Advanced Modeling of Longitudinal Data in Developmental Cognitive Neuroscience. Pre-conference Workshop presented at the 2022 Flux Congress Annual Meeting, Paris, FR.

10. McCormick, E.M. (September 2021). Leveraging missing data to model simultaneous growth processes. Talk presented at the 2021 Flux Congress Annual Meeting, Remote.

9. McElwain, N.L., Chen, X., Ravindran, N., **McCormick, E.M.**, & Telzer, E.H. (March 2019). Maternal Sensitivity during Toddlerhood Predicts Amygdala-PFC Functional Connectivity During Early Adolescence. Talk presented at the 2019 Biennial Meeting of the Society for Research in Child Development, Baltimore, MD.

8. Telzer., E.H., Ivory, S., & **McCormick, E.M.** (March 2019). Altered neural connectivity and cognitive control to peer faces: Links to internalizing symptoms in adolescence. Talk presented at the 2019 Biennial Meeting of the Society for Research in Child Development, Baltimore, MD.

7. Telzer, E.H., **McCormick, E.M.**, McElwain, N.L. & Qu. Y. (March 2019). Family relationship quality and adolescent neural processing of risk taking. Talk presented at the 2019 Biennial Meeting of the Society for Research in Child Development, Baltimore, MD.

6. Van Hoorn, J., **McCormick, E.M.**, Rogers, C.R., & Telzer, E.H. (April 2018). Risk taking and peer effects in high-risk youth with externalizing behavior: Perspectives from brain and behavior. Talk presented at the 2018 Society for Research on Adolescence Biennial Meeting, Minneapolis, MN.

5. Rogers, C.R., **McCormick, E.M.**, van Hoorn, J., & Telzer, E.H. (April 2018). Siblings and the teenage brain: sibling closeness and birth order modulate adolescent neural activity during safe decision-making. Talk presented at 2018 Society for Research on Adolescence Biennial Meeting, Minneapolis, MN.

4. Rogers, C.R., **McCormick, E.M.**, van Hoorn, J., & Telzer, E.H. (September 2017). No, don't do it!" Neural correlates of sibling closeness during risky decision-making. Talk presented at the 2017 Flux Congress Annual Meeting, Portland, OR.

3. McCormick, E.M., & Telzer, E.H. (April 2017). Adaptive adolescent flexibility: neurodevelopment of decision-making and learning in a risky context. Talk presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.

2. McCormick, E.M., & Telzer, E.H. (March 2016). Activation in context: Cross-Sectional and longitudinal analyses of adolescents' cognitive-control related neural activity. Talk presented at the Society for Research on Adolescence Biennial Meeting, Baltimore, MD.

1. Telzer, E.H., & **McCormick, E.M.** (November, 2015). Differential conclusions drawn for cross-sectional longitudinal analyses of adolescents' cognitive-control related neural activity: best practices fore examining brain behavior associations? Talk presented at the Conference on Longitudinal fMRI Analysis, Stockholm, SE.

CONFERENCE POSTER PRESENTATIONS

21. McCormick, E.M., Telzer, E.H, & Gates, K.M. (August 2019). Reliability in clustering solutions derived from resting state fMRI: Insights from the Human Connectome Project. Poster presented at the 2019 Flux Congress Annual Meeting, New York City, NY, USA.

20. Duell, N., Van Hoorn, J., **McCormick, E.M.**, & Telzer, E.H (August 2019). The culture of socioeconomic status and social reward processing in adolescence. Poster presented at the 2019 Flux Congress Annual Meeting, New York City, NY, USA.

19. Jorgensen, N.A., **McCormick, E.M.**, Lindquist, K.A., Prinstein, M.J., & Telzer, E.H (August 2019). The culture of socioeconomic status and social reward processing in adolescence. Poster presented at the 2019 Flux Congress Annual Meeting, New York City, NY, USA.

18. Kwon, S-J., Do, K.T., **McCormick, E.M.**, & Telzer, E.H (August 2019). Neural correlates of conflicting social influences on adolescent risk-taking. Poster presented at the 2019 Flux Congress Annual Meeting, New York City, NY, USA.

17. Ravindran, N., McElwain, N.L., **McCormick, E.M.**, & Telzer, E.H (March 2019). Warmth and negativity in mother-adolescent relationships: Associations with adolescents' neural responses to angry faces. Poster presented at the 2019 Biennial Meeting of the Society for Research in Child Development, Baltimore, MD, USA.

16. Chen, X., **McCormick, E.M.**, McElwain, N.L., & Telzer, E.H (March 2019). Maternal emotion talk in early childhood predicts adolescents' neural activity when labeling facial emotion. Poster presented at the 2019 Biennial Meeting of the Society for Research in Child Development, Baltimore, MD, USA.

15. McCormick, E.M., & Telzer, E.H. (September 2018). Model-based network discovery of developmental and performance-related differences during risky decision-making. Poster presented at the 2018 Flux Congress Annual Meeting, Berlin, DE.

14. McCormick, E.M., & Telzer, E.H. (May 2018). Functional dynamics of the social brain: Network insights from the Human Connectome Project. Poster presented at the 2018 Flux Society Satellite Conference, Chapel Hill, NC, USA.

13. Chen, X., **McCormick, E.M.**, McElwain, N.L., & Telzer, E.H. (May 2018). Maternal mental-state talk in early childhood predicts adolescents' neural activity to ambiguous facial emotions. Poster presented at the 2018 Flux Society Satellite Conference, Chapel Hill, NC, USA.

12. Qu, Y., Pomerantz, E.M., **McCormick, E.M.**, & Telzer, E.H. (April 2018). Youth's conceptions of adolescence predict longituidnal changes in prefrontal cortex activation and risk taking during adolescence. Poster presented at the 2018 Social for Research on Adolescence Biennial Meeting, Minneapolis, MN, USA.

11. Do, K.T., **McCormick, E.M.**, & Telzer, E.H. (April 2018). Is blood thicker than water? How conflicting parent and peer attitudes influence the neural correlates of adolescent conformity. Poster presented at the 2018 Social for Research on Adolescence Biennial Meeting, Minneapolis, MN, USA.

10. McCormick, E.M., van Hoorn, J., & Telzer, E.H. (March 2017). Functional network architecture of the social brain during childhood and adolescence. Poster presented at the 2017 Flux Congress Annual Meeting, Portland, OR, USA.

9. Ivory, S.I., **McCormick, E.M.**, & Telzer, E.H. (March 2017). Can't fight this feeling: The impact of emotional faces on adolescents' cognitive control. Poster presented at the 2017 Meeting of the Social and Affective Neuroscience Society, Los Angeles, CA, USA.

8. van Hoorn, J., **McCormick, E.M.**, & Telzer, E.H. (March 2017). Social learning and adaptive risk-taking in adolescence: Evidence from brain and behavior. Poster presented at the 2017 Meeting of the Social and Affective Neuroscience Society, Los Angeles, CA, USA.

7. McCormick, E.M., & Telzer, E.H. (March 2017). Not just social sensitivity: Selective adolescent suppression of social information during risk taking. Poster accepted to the 2017 Meeting of the Social and Affective Neuroscience Society, Los Angeles, CA, USA.

6. McCormick, E.M., & Telzer, E.H. (September 2016). Two roads diverge: Context-specific outcomes associated with decreased neural sensitivity to negative feedback during adolescence. Poster presented at the Fourth Annual Meeting of the Flux Congress, St. Louis, MO, USA.

5. McCormick, E.M., & Telzer, E.H. (April 2016). Adaptive adolescent flexibility: Decision-making in a risky context. Poster presented at the 2016 Meeting of the Social and Affective Neuroscience Society, New York, NY, USA.

4. Do, K.T., **McCormick, E.M.**, & Telzer, E.H. (April 2016). Prosocial and social brain development from childhood to adolescence. Poster presented at the 2016 Meeting of the Social and Affective Neuroscience Society, New York, NY, USA.

3. McCormick, E.M., & Telzer, E.H. (September 2015). Longitudinal links between negative family relationships and adolescent cognitive control-related neural processing. Poster presented at the Third Annual Meeting of the Flux Congress, Leiden, NL.

2. McCormick, E.M., & Telzer, E.H. (September 2015). Longitudinal links between negative family relationships and adolescent cognitive control-related neural processing. Poster presented at the Satellite Meeting for the Society for Research in Child Development, Leiden, NL.

1. McCormick, E.M., & Telzer, E.H. (April 2015). Necessity of longitudinal analyses for understanding the neural development of cognitive control. Poster presented at the 2015 Meeting of the Social and Affective Neuroscience Society, Boston, MA, USA.

SUPERVISION

Yuqi Liu	Leiden University, 2023 - present, Supervisor **Masters Project & Thesis**, Spring 2023: "Time-coding effects in Latent Class Growth Mixture Models" **PhD Thesis**, Fall 2023 - present: "Stepwise estimation approaches of growth mixture models"
Léa Michel	Radboud University Medical Center, 2021 - present, Co-supervisor **PhD Thesis**, Fall 2021 - present: "The brain structural mechanisms of cognitive development"

INSTITUTIONAL SERVICE

Flux Strategic Plan Task Force	*2023-2024*
Quant Family Collective - Speaker and Faculty Mentor	*2023 - present*
Flux Diversity Working Group Member	*2022 - present*
Flux Diversity Session Planning Committee	*2022*
Flux LGBTQIA+ Affinity Group Coordinator	*2021 - present*
Flux Programme Committee Member	*2022*
Neuroscience Club Graduate School Panel, UNC	*2019*
fMRI Methodology & Coding Summer Seminar, UNC	*2018*
NeuroGrads Organizer, UNC	*2018*
Diversity Admissions Committee, UNC	*2017 - 2018*
Developmental Seminar Planning Committee, UNC	*2017 - 2018*
fMRI Methodology & Coding Summer Seminar, UNC	*2017*
fMRI Methodology & Coding Summer Seminar, UNC	*2016*
Graduate Student Recruitment Organizer, UIUC	*2015 - 2016*
fMRI Methodology Summer Seminar, UNC	*2015*

PROFESSIONAL AFFILIATIONS

Flux Society for Developmental Cognitive Neuroscience	*Member*
Social and Affective Neuroscience Society	*Member*
Society for Research on Child Development	*Member*
Society for Multivariate Experimental Psychology	*Invited Guest*
Psychometric Society	*Member*

AD HOC REVIEWER

Developmental Cognitive Neuroscience; NeuroImage; Nature Neuroscience; Nature Communications; Scientific Reports; Journal of Neuroscience; Trends in Cognitive Science; Psychological Science; Human Brain Mapping; Biological Psychiatry; Cognitive, Behavioral, and Affective Neuroscience; Frontiers in Human Neuroscience; Social Cognitive and Affective Neuroscience; Cerebral Cortex; Child Development; Child Development Perspectives; Structural Equation Modeling; Multivariate Behavioral Research

TEACHING EXPERIENCE

Bachelors Courses

Instructor, *Multivariate Data Analysis* — *Spring 2023*
Leiden University

Supervisor, *Bachelors Project* — *Spring 2023*
Leiden University

Instructor, *Introduction to Statistics* — *Summer 2020*
University of North Carolina at Chapel Hill

Masters & Ph.D. Courses

Instructor, *Psychometrics and Structural Equation Modeling* *Fall 2023*
Leiden University

Instructor, *Regression Modeling* *Fall 2023*
Leiden University

Instructor, *Applied Multivariate Data Analysis* *Spring 2023*
Leiden University

Instructor, *Data Visualization* *Spring 2023*
Leiden University

Instructor, *fMRI Data and Statistics* *Spring 2023*
Leiden University

Supervisor, *Masters Project* *Spring 2023*
Leiden University

TECHNICAL STRENGTHS

Programming Languages	R, Python, MATLAB, Visual Basics, Bash
Analysis Techniques	ANOVA, Regression, Mediation, Moderation, Multi-Level Modeling, Structural Equation Modeling, Latent Curve Modeling, Dynamic Structure Equation Modeling, Timeseries Analysis, Computational Modeling, Neural Network Analyses, Data Simulation, CART Analysis, Latent Class Analysis, Latent Profile Analysis, Mixture Models, Growth Mixture Models
Statistical Software	R, MPlus, SAS, Python, MATLAB, HLM, SPSS