


Department of Psychology
William James Hall
33 Kirkland Street
Cambridge, MA 02138

(415) 260-2744 
email 
[johnflournoy.science](mailto:johnflournoy.science@gmail.com) 
github.com/jflournoy 
[@flourn0](https://twitter.com/flourn0) 

John C Flournoy

Research Associate

April 3, 2023

positions

Research Associate, Harvard University, 2020–present
Postdoctoral Fellow, Harvard University, 2018–2020
Graduate Research/Teaching Fellow, University of Oregon, 2012–2018
Research Coordinator, Stanford University School of Medicine, 2009–2012

education

Ph.D. Psychology, University of Oregon, 2018.
Dissertation: *Adolescent Social Motives: Measurement and Implications*.
M.S. Psychology, University of Oregon, 2014
B.A. Cognitive Science, University of California, Berkeley, 2004

pre-pub

Xu, B., Dall'Aglia, L., **Flournoy, J.**, Bortsova, G., Tervo-Clemmens, B., Collins, P., Bruijne, M. de, Luciana, M., Marquand, A., Wang, H., Tiemeier, H., & Muetzel, R. L. (2023). Multivariate brain-based dimensions of child psychiatric problems: Degrees of generalizability (p. 2023.03.12.23287158). *medRxiv*. [10.1101/2023.03.12.23287158](https://doi.org/10.1101/2023.03.12.23287158)
McCormick, E. M., Byrne, M. L., **Flournoy, J.**, Mills, K., & Pfeifer, J. (2021). The Hitchhiker's Guide to Longitudinal Models: A Primer on Model Selection for Repeated-Measures Methods. *PsyArXiv*. [10.31234/osf.io/ga4qz](https://doi.org/10.31234/osf.io/ga4qz)

journal articles

2023

Byrne, M. L., Vijayakumar, N., Chavez, S. J., **Flournoy, J. C.**, Cheng, T. W., Mills, K. L., Barendse, M. E. A., Mobasser, A., Flannery, J. E., Nelson, B. W., Wang, W., Shirtcliff, E. A., Allen, N. B., & Pfeifer, J. H. (2023). Associations between multi-method latent factors of puberty and brain structure in adolescent girls. *Developmental Cognitive Neuroscience*, 60, 101228. [10.1016/j.dcn.2023.101228](https://doi.org/10.1016/j.dcn.2023.101228)
Grisanzio, K. A., **Flournoy, J. C.**, Mair, P., & Somerville, L. H. (2023). Shifting qualities of negative affective experience through adolescence: Age-related change and associations with functional outcomes. *Emotion*, 23, 278–288. [10.1037/emo0001079](https://doi.org/10.1037/emo0001079)

2022

Barendse, M. E. A., Byrne, M. L., **Flournoy, J. C.**, McNeilly, E. A., Guazzelli Williamson, V., Barrett, A.-M. Y., Chavez, S. J., Shirtcliff, E. A., Allen, N. B., & Pfeifer, J.

- H. (2022). Multimethod assessment of pubertal timing and associations with internalizing psychopathology in early adolescent girls. *Journal of Psychopathology and Clinical Science*, 131, 14–25. [10.1037/abn0000721](https://doi.org/10.1037/abn0000721)
- Baum, G. L., **Flournoy, J. C.**, Glasser, M. F., Harms, M. P., Mair, P., Sanders, A. F. P., Barch, D. M., Buckner, R. L., Bookheimer, S., Dapretto, M., Smith, S., Thomas, K. M., Yacoub, E., Essen, D. C. V., & Somerville, L. H. (2022). Graded Variation in T1w/T2w Ratio during Adolescence: Measurement, Caveats, and Implications for Development of Cortical Myelin. *Journal of Neuroscience*, 42(29), 5681–5694. [10.1523/JNEUROSCI.2380-21.2022](https://doi.org/10.1523/JNEUROSCI.2380-21.2022)
- Byrne, M., Allen, N. B., Barendse, M. E. A., Barrett, A.-M., Chavez, S. J., Cheng, T., **Flournoy, J. C.**, McNeilly, E. A., Shirtcliff, E. A., Vijayakumar, N., Williamson, V. G., & Pfeifer, J. (2022). Pubertal Hormones as a Measurement Method of Pubertal Stage and Timing Related to Internalizing Psychopathology in Adolescent Girls. *Biological Psychiatry*, 91(9), S64–S65. [10.1016/j.biopsych.2022.02.180](https://doi.org/10.1016/j.biopsych.2022.02.180)
- Cosme, D., **Flournoy, J. C.**, Livingston, J. L., Lieberman, M. D., Dapretto, M., & Pfeifer, J. H. (2022). Testing the adolescent social reorientation model during self and other evaluation using hierarchical growth curve modeling with parcellated fMRI data. *Developmental Cognitive Neuroscience*, 54, 101089. [10.1016/j.dcn.2022.101089](https://doi.org/10.1016/j.dcn.2022.101089)
- Nelson, B. W., Flannery, J. E., **Flournoy, J.**, Duell, N., Prinstein, M. J., & Telzer, E. (2022). Concurrent and prospective associations between fitbit wearable-derived RDoC arousal and regulatory constructs and adolescent internalizing symptoms. *Journal of Child Psychology and Psychiatry*, 63(3), 282–295. [10.1111/jcpp.13471](https://doi.org/10.1111/jcpp.13471)
- Romeo, R. R., **Flournoy, J. C.**, McLaughlin, K. A., & Lengua, L. J. (2022). Language development as a mechanism linking socioeconomic status to executive functioning development in preschool. *Developmental Science*, 25(5), e13227. [10.1111/desc.13227](https://doi.org/10.1111/desc.13227)
- Vijayakumar, N., Cheng, T. W., Flannery, J. E., **Flournoy, J. C.**, Ross, G., Mobasser, A., Op de Macks, Z., Fisher, P. A., & Pfeifer, J. H. (2022). Differential neural sensitivity to social inclusion and exclusion in adolescents in foster care. *NeuroImage: Clinical*, 34, 102986. [10.1016/j.nicl.2022.102986](https://doi.org/10.1016/j.nicl.2022.102986)
- 2021 Bryce, N. V., **Flournoy, J. C.**, Guassi Moreira, J. F., Rosen, M. L., Sambook, K. A., Mair, P., & McLaughlin, K. A. (2021). Brain parcellation selection: An overlooked decision point with meaningful effects on individual differences in resting-state functional connectivity. *NeuroImage*, 243, 118487. [10.1016/j.neuroimage.2021.118487](https://doi.org/10.1016/j.neuroimage.2021.118487)
- Flournoy, J. (2021).** A comment on Ellwood-Lowe et al.(2020/2021): Presentation and discussion of results should take the lead from the preregistra-

tion. Hughes, B. T., Flournoy, J. C., & Srivastava, S. (2021). Is perceived similarity more than assumed similarity? An interpersonal path to seeing similarity between self and others. *Journal of Personality and Social Psychology*, 121, 184–200. [10.1037/pspp0000369](https://doi.org/10.1037/pspp0000369)

Gau, R., Noble, S., Heuer, K., Bottenhorn, K. L., Bilgin, I. P., Yang, Y.-F., Huntenburg, J. M., Bayer, J. M. M., Bethlehem, R. A. I., Rhoads, S. A., Vogelbacher, C., Borghesani, V., Levitis, E., Wang, H.-T., Van Den Bossche, S., Kobeleva, X., Legarreta, J. H., Guay, S., Atay, S. M., ... **Flournoy, J. C.**, ... Zuo, X.-N. (2021). Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. *Neuron*. [10.1016/j.neuron.2021.04.001](https://doi.org/10.1016/j.neuron.2021.04.001)

López-Vicente, M., Agcaoglu, O., Pérez-Crespo, L., Estévez-López, F., Heredia-Genestar, J. M., Mulder, R. H., **Flournoy, J. C.**, van Duijvenvoorde, A. C. K., Güroğlu, B., White, T., Calhoun, V., Tiemeier, H., & Muetzel, R. L. (2021). Developmental Changes in Dynamic Functional Connectivity From Childhood Into Adolescence. *Frontiers in Systems Neuroscience*, 15. [10.3389/fnsys.2021.724805](https://doi.org/10.3389/fnsys.2021.724805)

Nook, E. C., **Flournoy, J. C.**, Rodman, A. M., Mair, P., & McLaughlin, K. A. (2021). High Emotion Differentiation Buffers Against Internalizing Symptoms Following Exposure to Stressful Life Events in Adolescence: An Intensive Longitudinal Study. *Clinical Psychological Science*. [10.1177/2167702620979786](https://doi.org/10.1177/2167702620979786)

Rodman, A. M., Vidal Bustamante, C. M., Dennison, M. J., **Flournoy, J. C.**, Copper-smith, D. D. L., Nook, E. C., Worthington, S., Mair, P., & McLaughlin, K. A. (2021). A Year in the Social Life of a Teenager: Within-Persons Fluctuations in Stress, Phone Communication, and Anxiety and Depression. *Clinical Psychological Science*. [10.1177/2167702621991804](https://doi.org/10.1177/2167702621991804)

2020

Andrews, J. L., Mills, K. L., **Flournoy, J. C.**, Flannery, J. E., Mobasser, A., Ross, G., Durnin, M., Peake, S., Fisher, P. A., & Pfeifer, J. H. (2020). Expectations of Social Consequences Impact Anticipated Involvement in Health-Risk Behavior During Adolescence. *Journal of Research on Adolescence*, 30(4), 1008–1024. [10.1111/jora.12576](https://doi.org/10.1111/jora.12576)

Barendse, M. E. A., Cosme, D., **Flournoy, J. C.**, Vijayakumar, N., Cheng, T. W., Allen, N. B., & Pfeifer, J. H. (2020). Neural correlates of self-evaluation in relation to age and pubertal development in early adolescent girls. *Developmental Cognitive Neuroscience*, 44, 100799. [10.1016/j.dcn.2020.100799](https://doi.org/10.1016/j.dcn.2020.100799)

Barendse, M. E. A., Vijayakumar, N., Byrne, M. L., Flannery, J. E., Cheng, T. W., **Flournoy, J. C.**, Nelson, B. W., Cosme, D., Mobasser, A., Chavez, S. J., Hval, L., Brady, B., Nadel, H., Helzer, A., Shirtcliff, E. A., Allen, N. B., & Pfeifer, J. H. (2020). Study Protocol: Transitions in Adolescent Girls (TAG). *Frontiers in Psychiatry*, 10. [10.3389/fpsy.2019.01018](https://doi.org/10.3389/fpsy.2019.01018)

- Cheng, T. W., Vijayakumar, N., **Flournoy, J. C.**, Op de Macks, Z., Peake, S. J., Flannery, J. E., Mobasser, A., Alberti, S. L., Fisher, P. A., & Pfeifer, J. H. (2020). Feeling left out or just surprised? Neural correlates of social exclusion and overinclusion in adolescence. *Cognitive, Affective, & Behavioral Neuroscience*, 20(2), 340–355. [10.3758/s13415-020-00772-x](https://doi.org/10.3758/s13415-020-00772-x)
- Flournoy, J. C.**, Vijayakumar, N., Cheng, T. W., Cosme, D., Flannery, J. E., & Pfeifer, J. H. (2020). Improving practices and inferences in developmental cognitive neuroscience. *Developmental Cognitive Neuroscience*, 45, 100807. [10.1016/j.dcn.2020.100807](https://doi.org/10.1016/j.dcn.2020.100807)
- Hughes, B. T., **Flournoy, J. C.**, & Srivastava, S. (2020). Is perceived similarity more than assumed similarity? An interpersonal path to seeing similarity between self and others. *Journal of Personality and Social Psychology*. [10.1037/pspp0000369](https://doi.org/10.1037/pspp0000369)
- Vidal Bustamante, C. M. V., Rodman, A. M., Dennison, M. J., **Flournoy, J. C.**, Mair, P., & McLaughlin, K. A. (2020). Within-person fluctuations in stressful life events, sleep, and anxiety and depression symptoms during adolescence: A multiwave prospective study. *Journal of Child Psychology and Psychiatry*. [10.1111/jcpp.13234](https://doi.org/10.1111/jcpp.13234)
- Vijayakumar, N., **Flournoy, J. C.**, Mills, K. L., Cheng, T. W., Mobasser, A., Flannery, J. E., Allen, N. B., & Pfeifer, J. H. (2020). Getting to know me better: An fMRI study of intimate and superficial self-disclosure to friends during adolescence. *Journal of Personality and Social Psychology*, 118(5), 885–899. [10.1037/pspa0000182](https://doi.org/10.1037/pspa0000182)
- 2019 Ludwig, R. M., **Flournoy, J. C.**, & Berkman, E. T. (2019)[†]. Inequality in personality and temporal discounting across socioeconomic status? Assessing the evidence. *Journal of Research in Personality*. [10.1016/j.jrp.2019.05.003](https://doi.org/10.1016/j.jrp.2019.05.003)
- Thalmayer, A. G., Saucier, G., **Flournoy, J. C.**, & Srivastava, S. (2019). Ethics-Relevant Values as Antecedents of Personality Change: Longitudinal Findings from the Life and Time Study. *Collabra: Psychology*, 5(1), 52. [10.1525/collabra.244](https://doi.org/10.1525/collabra.244)
- Thalmayer, A. G., Saucier, G., Srivastava, S., **Flournoy, J. C.** & Costello, C. K. (2019). Ethics Relevant Values in Adulthood: Longitudinal Findings from the Life and Time Study. *Journal of personality*. [10.1111/jopy.12462](https://doi.org/10.1111/jopy.12462)
- Vijayakumar, N., Pfeifer, J. H., **Flournoy, J. C.**, Hernandez, L. M., & Dapretto, M. (2019). Affective reactivity during adolescence: Associations with age, puberty and testosterone. *Cortex*, 117, 336–350. [10.1016/j.cortex.2019.04.024](https://doi.org/10.1016/j.cortex.2019.04.024)

[†]Registered report

- 2018 King, K. M., Littlefield, A., McCabe, C., Mills, K. L., **Flournoy, J. C.**, & Chassin, L. (2018). Longitudinal modeling in developmental neuroimaging research: Common challenges, and solutions from developmental psychology. *Developmental Cognitive Neuroscience*. [10.1016/j.dcn.2017.11.009](https://doi.org/10.1016/j.dcn.2017.11.009)
- op de Macks, Z. A., Flannery, J. E., Peake, S. J., **Flournoy, J. C.**, Mobasser, A., Alberti, S. L., Fisher, P. A., & Pfeifer, J. H. (2018). Novel insights from the Yellow Light Game: Safe and risky decisions differentially impact adolescent outcome-related brain function. *NeuroImage*. [10.1016/j.neuroimage.2018.06.058](https://doi.org/10.1016/j.neuroimage.2018.06.058)
- Madhyastha, T., Peverill, M., Koh, N., McCabe, C., **Flournoy, J. C.**, Mills, K. L., King, K. M., Pfeifer, J. H., & McLaughlin, K. A. (2018). Current methods and limitations for longitudinal fMRI analysis across development. *Developmental Cognitive Neuroscience*. [10.1016/j.dcn.2017.11.006](https://doi.org/10.1016/j.dcn.2017.11.006)
- Matta, T., **Flournoy, J. C.**, & Byrne, M. (2018). Making an unknown unknown a known unknown: Missing data in longitudinal neuroimaging studies. *Developmental Cognitive Neuroscience*. [10.1016/j.dcn.2017.10.001](https://doi.org/10.1016/j.dcn.2017.10.001)
- 2017 Flannery, J. E., Giuliani, N., **Flournoy, J. C.**, & Pfeifer, J. H. (2017). Neurodevelopmental Changes Across Adolescence in Viewing and Labeling Dynamic Peer Emotions. *Developmental Cognitive Neuroscience*. [10.1016/j.dcn.2017.02.003](https://doi.org/10.1016/j.dcn.2017.02.003)
- Giuliani, N. R., **Flournoy, J. C.**, Ivie, E. J., Von Hippel, A., & Pfeifer, J. H. (2017). Presentation and Validation of the DuckEES Child and Adolescent Dynamic Facial Expressions Stimulus Set. *International Journal of Methods in Psychiatric Research*. [10.1002/mpr.1553](https://doi.org/10.1002/mpr.1553)
- Leonard, J. A.*, **Flournoy, J. C.***, Lewis-de los Angeles, C. P. & Whitaker, K. J. (2017). How much motion is too much motion? Determining motion thresholds by sample size for reproducibility in developmental resting-state MRI. *Research Ideas and Outcomes* 3: e12569. [10.3897/rio.3.e12569](https://doi.org/10.3897/rio.3.e12569)
- 2016 **Flournoy, J. C.**, Pfeifer, J. H., Moore, W. E., Tackman, A. M., Masten, C. L., Mazzotta, J. C., ... Dapretto, M. (2016). Neural Reactivity to Emotional Faces May Mediate the Relationship Between Childhood Empathy and Adolescent Prosocial Behavior. *Child Development*, 87(6), 1691–1702. [10.1111/cdev.12630](https://doi.org/10.1111/cdev.12630)
- 2015 Goodkind, M. S., Gallagher-Thompson, D., Thompson, L. W., Kesler, S. R., Anker, L., **Flournoy, J.**, ... O'Hara, R. M. (2015). The impact of executive function on response to cognitive behavioral therapy in late-life depression. *International Journal of Geriatric Psychiatry*. [10.1002/gps.4325](https://doi.org/10.1002/gps.4325)
- 2012 O'Hara, R., Marcus, P., Thompson, W. K., **Flournoy, J.**, Vahia, I., Lin, X., ... Jeste, D. V. (2012). 5-HTTLPR Short Allele, Resilience, and Successful Aging in Older

Adults. *American Journal of Geriatric Psych.*
[10.1097/JGP.0b013e31823e2d03](https://doi.org/10.1097/JGP.0b013e31823e2d03)

Talks

- (invited) **Flournoy, J.** (2021, Nov). *Why and How to Care About Covariates in Longitudinal Data*. Presented at the 7th Annual UC Adolescence Consortium Institute.
- (co-presenter) **Flournoy, J.**, McCormick, E. (2021, June). *Introduction to Longitudinal Structural Equation Modeling*. Presented at the ABCD Workshop on Brain Development and Mental Health ([online](#)).
- (co-presenter) Madhyastha, T., **Flournoy, J.** (2021, June). *Data Science Tools Tutorials*. Presented at the ABCD Workshop on Brain Development and Mental Health ([online](#)).
- (invited) **Flournoy, J.** (2021, May). *Scientific Practice in Developmental Cognitive Neuroscience*. Presented at the Lifespan Informatics and Neuroimaging Center, Department of Psychiatry, University of Pennsylvania Perelman School of Medicine.
- (invited) Vazire, S., **Flournoy, J.**, Urry, H. (2020, May). *Salon: Open Science*. Presented at the Society for Affective Science, virtual conference.
- (invited) **Flournoy, J. C.** (2019, May). *Machine learning as a tool for diagnosis and theory testing*. Presented as part of the Institute for Technology in Psychiatry Seminar Series, McLean Hospital, Boston, MA.
- (co-presenter) Cosme, D. E., **Flournoy, J. C.**, Telzer, E., & Pfeifer, J. H. (2017, September). *Traditional Modeling Approaches*. Presented at the [Modeling Developmental Change workshop](#), Portland, OR.
- (co-presenter) **Flournoy, J. C.**, Cosme, D. E., & Pfeifer, J. H. (2017, September). *Orientation to fMRI*. Presented at the [Modeling Developmental Change workshop](#), Portland, OR.
- (co-presenter) Pfeifer, J. H., & **Flournoy, J. C.** (2016, April). *Characterizing longitudinal change in brain function: Some problems and solutions*. Presented at the Modeling Developmental Change conference, Eugene, OR.
- (contributor) Srivastava, S., **Flournoy, J. C.**, Lawless DesJardins, N., & Saucier, G. (2015, June). *Effects of Work Roles and Investments on Personality Change in Adulthood: Findings from a 4-year Accelerated Longitudinal Study*. Presented at the 4th biennial meeting of the Association for Research in Personality, St. Louis, MO.
- (contributor) Tackman, A. M., Srivastava, S., **Flournoy, J. C.**, & Saucier, G. (2015, February). *Relationships and personality development in adulthood: A multiple-informant approach*. Presented at the 16th annual meeting of the Society of Personality and Social Psychology, Long Beach, CA.

(conference) **Flournoy, J. C.**, Moore III, W. E., & Pfeifer, J. H. (2014, September). *Using fMRI to study child and adolescent development: Thoughts from the trenches*. Presented at the Special Meeting of the Society for Research in Child Development on Developmental Methodology, San Diego, CA.

Chapters Sudheimer, K., **Flournoy, J.**, Gershon, A., Demuth, B., Schatzberg, A., & O'Hara, R. (2013). The HPA Axis and Late Life Depression. In H. Lavretsky, M. Sa-jatovic, & C. Reynolds (Eds.), *Late-Life Mood Disorders* (1st ed.). Oxford University Press, USA.

Film Levin, G. (Director) ... **Flournoy, J. C.** (Production Assistant). (2005, May 11). James Dean: Sense Memories. In *American Masters*. [IMDB](#)

Awards The Sackler Scholar Programme in Psychobiology research grant, 2019
Elizabeth Munsterberg Koppitz Child Psychology Graduate Student Fellowship
Nominee, University of Oregon, 2016
Gary E. Smith Summer Professional Development Award, 2015
Clarence and Lucille Dunbar Scholarship , 2014

Special training *Neurohackweek, 2016*
ICPSR Summer Program in Quantitative Methods of Social Research, 2015
Causal Inference for the Social Sciences
Advanced Bayesian Models for the Social Sciences

Service *Associate Editor:*
[Collabra: Psychology](#)
Reviews for:
Brain and Behavior
Cognition & Emotion
[Collabra: Psychology](#)
Developmental Cognitive Neuroscience
Developmental Science
Neuroimage
Neuroimage: Clinical
Psychology Research and Behavior Management
Psychiatry Research
Scientific Reports
Social Cognitive and Affective Neuroscience

Founder:
Longitudinal Methods Working Group, Harvard University, 2020–2021

Co-organizer:
Brainhack Global 2017 @ Eugene, OR

Facilitator:

UO Data Science Club, University of Oregon, 2013–2017

Member:

Graduate Admissions Committees, Psychology, University of Oregon, 2014

Coordinator:

Developmental Psychology Brown Bag, University of Oregon, Winter 2013

Professional Flux Society
Memberships Society for the Improvement of Psychological Science