

David G Weissman, PhD.
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CURRENT POSITION

Postdoctoral Fellow, Stress and Development Lab, Harvard University 2018-present

EDUCATION

University of California – Davis

Doctor of Philosophy, Psychology, Developmental: 2018

Alliant International University

Single Subject Teaching Credential: Science, Biology: 2009

University of Southern California

Bachelor of Arts in Neuroscience, Magna Cum Laude: 2008

FUNDING

K99MH127248

National Institute of Mental Health: K99/R00

“Emotional Awareness: An integrative neural mechanism linking childhood trauma with psychopathology”

2021-2026, Total Costs: \$974,350 Role: Principal Investigator

Prior Funding

Sackler Scholars Programme Research Grant,

April 2019-March 2020, \$10,000

UC Consortium for the Developmental Science of Adolescence Seed Grant,

February 2016- July 2017, \$7500, Co-investigators: Amanda Guyer, Adriana Galvan, Sarah Tashjian

Predoctoral Training Consortium in Affective Science Traineeship,

July 2016-June 2018, NIH Grant 5T32MH020006-18.

PUBLICATIONS

*co-first-authored

°first authored by undergraduate or post-baccalaureate mentee

1. **Weissman, D. G.,** Baum, G., Sanders, A., Rosen, M. L., Barch, D., McLaughlin, K. A., & Somerville, L. (under review). Socioeconomic status is unrelated to T1w/T2w myelin content in the Human Connectome Project in Development. <https://doi.org/10.31234/osf.io/7hwnb>
2. **Weissman, D. G.,** Hatzenbuehler, M. L., Cikara, M., Barch, D. M., McLaughlin, K. A. (2023) State-level macro-economic factors moderate the association of low income with brain structure and mental health in U.S. children. *Nature Communications*. <https://doi.org/10.1038/s41467-023-37778-1>

3. Colich, N. L., Hanford, L. C., **Weissman, D. G.**, Allen, N. B., Shirtcliff, E. A., Lengua, L., Sheridan, M. A., McLaughlin, K. A. (2022) Trauma, earlier pubertal timing, and psychopathology in adolescence: the role of corticolimbic development. *Developmental Cognitive Neuroscience*. <https://doi.org/10.1016/j.dcn.2022.101187>
4. Hatzenbuehler, M. L., M., McLaughlin, K. A., **Weissman, D. G.**, Cikara, M. (2022) Community-level racial prejudice potentiates Whites' neural responses to out-group faces: A spatial meta-analytic approach. *Social Neuroscience*. <https://doi.org/10.1080/17470919.2022.2153915>
5. **Weissman, D. G.**, Rosen, M. L., Lengua, L. J., Sambrook, K. A., Sheridan, M. A., & McLaughlin, K. A. (2022) Exposure to violence as an environmental pathway linking low socioeconomic status with altered neural processing of threat and adolescent psychopathology. *Journal of Cognitive Neuroscience*. https://doi.org/10.1162/jocn_a_01825
6. Ugarte, E., Miller, J. G., **Weissman, D. G.**, & Hastings, P. D. (2021). Vagal flexibility to negative emotions moderates the relations between environmental risk and adjustment problems in childhood. *Development and Psychopathology*. <https://doi.org/10.1017/S0954579421000912>
7. Hatzenbuehler, M. L., **Weissman, D. G.**, McKetta, S., Lattanner, M. R., Ford, J. V., Barch, D. M., McLaughlin, K. A. (2021) Smaller hippocampal volume among Black and Latinx youth living in high-stigma contexts. *Journal of the American Academy of Child & Adolescent Psychiatry*. <https://doi.org/10.1016/j.jaac.2021.08.017>
8. Susman, E. S.*°, **Weissman, D. G.***, Sheridan, M., & McLaughlin, K. A., (2021). High vagal tone and rapid extinction learning as potential transdiagnostic protective factors following childhood violence exposure. *Developmental Psychobiology*. <https://doi.org/10.1002/dev.22176>
9. Kim, S. G.°, **Weissman, D. G.**, Sheridan, M. A., & McLaughlin, K. A. (2021). Child abuse and automatic emotion regulation in children and adolescents. *Development and Psychopathology*. <https://doi.org/10.1017/S0954579421000663>
10. **Weissman, D. G.** (2021). Stimulus and Response: Advancing Theoretical Rigor in Early Adversity Research. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. 6, 673-675. <https://doi.org/10.1016/j.bpsc.2021.03.012>
11. Johnson, L. E., Parra, L. A., Ugarte, E., **Weissman, D. G.**, Han, S. G., Robins, R. W., Guyer, A. E., Hastings, P. D. (2021) Patterns of Poverty Across Adolescence Predict Salivary Cortisol Stress Responses in Mexican-origin Youths. *Psychoneuroendocrinology*. <https://doi.org/10.1016/j.psyneuen.2021.105340>
12. **Weissman, D. G.**, Rodman, A. M., Rosen, M. L., Kasperek, S. W., Mayes, M., Sheridan, M. A., Lengua, L. J., Meltzoff, A. N., & McLaughlin, K. A. (2021). Contributions of emotion regulation and brain structure and function to adolescent internalizing problems and stress vulnerability during the COVID-19 pandemic: A longitudinal study. *Biological Psychiatry: Global Open Science*. <https://doi.org/10.1016/j.bpsgos.2021.06.001>
13. Cuartas, J.*°, **Weissman, D. G.***, Sheridan, M. A., Lengua, L., McLaughlin, K. A., (2021). Corporal punishment and elevated neural response to threat in children. *Child Development*. 92(3), 821-832, <https://doi.org/10.1111/cdev.13565>

14. **Weissman, D. G.,** Mendes, W. B. (2021). Correlation of sympathetic and parasympathetic nervous system activity during rest and acute stress tasks. *International Journal of Psychophysiology*. 162, 60-68. <https://doi.org/10.1016/j.ijpsycho.2021.01.015>
15. Ugarte, E., Narea, M., Aldoney, D., **Weissman, D. G.,** Hastings, P. D. (2020) Family risk and externalizing problems in Chilean children: mediation by harsh parenting and emotional support. *Child Development*. 92(3), 871-888, <https://doi.org/10.1111/cdev.13464>
16. **Weissman, D. G.,** Nook, E. C., Dews, A. A., Miller, A. B, Lambert, H. K., Sasse, S. F., Somerville, L. H., McLaughlin, K. A. (2020). Low emotional awareness as a transdiagnostic mechanism underlying psychopathology in adolescence. *Clinical Psychological Science*. 8(6) 971–988. <https://doi.org/10.1177/2167702620923649>
17. **Weissman, D. G.,** Lambert, H. K., Rodman, A. M., Peverill, M., Sheridan, M. A., McLaughlin, K. A. (2020). Reduced hippocampal and amygdala volume as a mechanism underlying stress sensitization to depression following childhood trauma. *Depression and Anxiety*. 37(9), 916-925, <https://doi.org/10.1002/da.23062>
18. Chahal, R., **Weissman, D. G.,** Hallquist, M. N., Robins, R. W., Hastings, P. D., Guyer, A. E. (2020) Neural connectivity biotypes: associations with internalizing problems throughout Adolescence. *Psychological Medicine*. <https://doi.org/10.1017/S003329172000149X>
19. McLaughlin, K. A., Colich, N. L., Rodman, A. M., **Weissman, D. G.,** (2020) Mechanisms linking childhood trauma exposure and psychopathology: a transdiagnostic model of risk and resilience. *BMC Medicine*. 18, 1-11, <https://doi.org/10.1186/s12916-020-01561-6>
20. Chahal, R., **Weissman, D. G.,** Marek, S., Rhoads, S. A., Hipwell, A. E., Forbes, E. E., Keenan, K., Guyer, A. E., (2019). Girls' Brain Structural Connectivity in Late Adolescence Relates to History of Depression Symptoms. *Journal of Child Psychology and Psychiatry*. 61(11), 1224-1233 <https://doi.org/10.1111/jcpp.13184>
21. McLaughlin, K. A., **Weissman, D. G.,** Bitran, D. (2019) Childhood adversity and neural development: a systematic review. *Annual Review of Developmental Psychology*. 1, 277-312, <https://doi.org/10.1146/annurev-devpsych-121318-084950>
22. Vilgis, V., Rhoads, S. A., **Weissman, D. G.,** Gelardi, K., Forbes, E. K., Hipwell, A. E., Keenan, K., Hastings, P. D., Guyer, A. E. (2019). Direct replication of task-dependent neural activation patterns during sadness introspection in two independent adolescent samples. *Human Brain Mapping*. 41(3), 739-754, <https://doi.org/10.1002/hbm.24836>.
23. **Weissman, D. G.,** Jenness, J. L., Colich, N. L., Miller, A. B., Sambrook, K. A., Sheridan, M. A., & McLaughlin, K. A. (2019). Altered neural processing of threat-related information in children and adolescents exposed to violence: A transdiagnostic mechanism contributing to the emergence of psychopathology. *Journal of the American Academy of Child & Adolescent Psychiatry*. 59(11), 1274-1284. <https://doi.org/10.1016/j.jaac.2019.08.471>
24. Swartz, J. R., **Weissman, D. G.,** Ferrer, E., Beard, S. J., Fassbender, C., Robins, R. W., Hastings, P. D., & Guyer, A.E. (2019). Reward-related brain activity prospectively predicts increases in alcohol use in adolescents. *Journal of the American Academy of Child and Adolescent Psychiatry*. 59(3), 391-400, <https://doi.org/10.1016/j.jaac.2019.05.022>
25. **Weissman, D. G.,** Guyer, A. E., Ferrer, E., Robins, R. W., & Hastings, P. D. (2019). Tuning of brain-autonomic coupling by prior threat exposure: Implications for internalizing problems in

Mexican-origin adolescents. *Development and Psychopathology*. 31(3), 1127-1141, <https://doi.org/10.1017/S0954579419000646>

26. Rodman, A. M., Jenness, J. L., **Weissman, D. G.**, Pine, D. S., & McLaughlin, K. A. (2019). Neurobiological markers of resilience to depression and anxiety following childhood maltreatment: The role of neural circuits supporting the cognitive control of emotion. *Biological Psychiatry*. 86(6), 464-473, <https://doi.org/10.1016/j.biopsych.2019.04.033>
27. **Weissman, D. G.**, Bitran, D., Miller, A. B., Schaefer, J. D., Sheridan, M. A., & McLaughlin, K. A. (2019). Difficulties with emotion regulation as a transdiagnostic mechanism linking child maltreatment with the emergence of psychopathology. *Development and Psychopathology*. 31(3), 899-915, <https://doi.org/10.1017/S0954579419000348>
28. **Weissman, D. G.**, Conger, R. D., Robins, R. W., Hastings, P. D., & Guyer, A. E. (2018). Income change alters default mode network connectivity for adolescents in poverty. *Developmental Cognitive Neuroscience*, 30, 93–99. <https://doi.org/10.1016/j.dcn.2018.01.008>
29. **Weissman, D. G.**, Gelardi, K. L., Conger, R. D., Robins, R. W., Hastings, P. D., & Guyer, A. E. (2018). Adolescent externalizing problems: Contributions of community crime exposure and neural function during emotion introspection in Mexican-origin youth. *Journal of Research on Adolescence*, 28(2), 551–563. <https://doi.org/10.1111/jora.12358>
30. **Weissman, D. G.**, Guyer, A. E., Ferrer, E., Robins, R. W., & Hastings, P. D. (2018). Adolescents' brain-autonomic coupling during emotion processing. *NeuroImage*, 183, 818–827. <https://doi.org/10.1016/j.neuroimage.2018.08.069>
31. Tashjian, S. M*, **Weissman, D. G***, Guyer, A. E., & Galván, A. (2018). Neural response to prosocial scenes relates to subsequent giving behavior in adolescents: A pilot study. *Cognitive, Affective and Behavioral Neuroscience*, 18(2), 342–352. <https://doi.org/10.3758/s13415-018-0573-9>
32. **Weissman, D. G.**, Schriber, R. A., Fassbender, C., Atherton, O., Krafft, C., Robins, R. W., ... Guyer, A. E. (2015). Earlier adolescent substance use onset predicts stronger connectivity between reward and cognitive control brain networks. *Developmental Cognitive Neuroscience*, 16, 121–129. <https://doi.org/10.1016/j.dcn.2015.07.002>

CONFERENCE PRESENTATIONS

° first authored by undergraduate or post-baccalaureate mentee

Weissman, D. G., Rubbani, S., DeCross, S. D., Kasparek, S. W., McLaughlin, K.A (2023, April) *Childhood violence exposure and the role of interoceptive accuracy and neural activity during interoception in transdiagnostic psychopathology in adolescence*. Society for Affective Science Annual Conference, Long Beach, California.

Weissman, D. G., Rubbani, S., DeCross, S. D., Kasparek, S. W., McLaughlin, K.A. (2022, September) *Low interoceptive accuracy as a neural mechanism linking childhood trauma with adolescent psychopathology*. Flux Congress, Paris, France.

Weissman, D. G., Hatzenbuehler, M. L., Cikara, M., Barch, D. M., McLaughlin, K. A. (2021, September) *Socioeconomic disparities in adolescent hippocampal volume and internalizing problems vary based on the cost of living and antipoverty programs of U.S. states*. Flux Congress, Virtual Conference.

- Weissman, D. G.**, Rosen, M. L., Sheridan, M. A., Sambrook, K. A., McLaughlin, K. A., (2021, May) *Dimensions of childhood adversity and neural response to threat cues*. Society of Biological Psychiatry Annual Meeting, Virtual Conference. <https://doi.org/10.1016/j.biopsych.2021.02.169>
- Weissman, D. G.**, Rodman, A. M., Kasparek, S. W., Rosen, M. L., Sheridan, M. A., & McLaughlin, K. A. (2021, April). Affective mechanisms of risk and resilience to stress from the COVID-19 pandemic. Society for Research in Child Development Biennial Meeting, Virtual Conference
- Weissman, D. G.**, McLaughlin, K. A., (2020, December). *Neural mechanisms of stress sensitization to internalizing psychopathology*. Society for Epidemiological Research Annual Meeting, Virtual Conference.
- Susman, E.S.°, **Weissman D. G.**, McLaughlin, K.A. (2020, June). *The influence of emotion awareness on neural function during emotion regulation*. Mind and Life Summer Research Institute, The Garrison Institute, Garrison, NY. Preregistration: osf.io/7kf43
- Kim, S. G.°, **Weissman, D. G.**, McLaughlin, K. A., (2020, May) *Parental buffering of psychopathology development following childhood trauma exposure: The importance of child-perceived parental support*. Association for Psychological Science Virtual Poster Showcase
- Weissman, D. G.**, Hastings, P. D., Robins, R. W., Guyer, A. E., (2019, March) *Consequences of poverty and community crime exposure on Mexican-American adolescents' mental health*. Society for Research on Child Development Biennial Meeting, Baltimore, MD.
- Weissman, D. G.**, Guyer, A. E., Robins, R. W., Hastings, P. D., (2019, March) *Adaptive calibration of Mexican-origin adolescents' brain-autonomic coupling by prior threat exposure*. Society for Research on Child Development Biennial Meeting, Baltimore, MD.
- Spivey, B.°, **Weissman, D. G.**, Guyer, A. E. (2017, November) *Associations between hippocampal volume and environmental stressors*. Annual Biomedical Research Conference for Minority Students, Phoenix, AZ.
- Weissman, D. G.**, Mendes, W. B. (2017, October) *Patterns and individual differences in autonomic balance during social evaluation*. American Psychosomatic Society Mid-year meeting, Berkeley, CA.
- Weissman, D. G.**, Robins, R. W., Hastings, P. D., Guyer, A. E. (2017, April) *Effects of depression on neurovisceral integration during emotion processing in Mexican-origin youth*. Society for Research on Child Development Biennial Meeting, Austin, TX.
- Weissman, D. G.**, Robins, R. W., Hastings, P. D., Guyer, A. E. (2017, April) *Income improvement across adolescence predicts increased default network connectivity in Mexican-origin youth*. Society for Research on Child Development Biennial Meeting, Austin, TX.
- Weissman, D. G.**, Gelardi, K. L., Conger, R. D., Robins, R. W., Hastings, P. D., Guyer, A. E. (2016, September) *Community crime exposure, neural response to sad faces, and adolescent externalizing problems*. Flux Congress, St. Louis, MO.
- Weissman, D. G.**, Hastings, P.D., Robins, R. W., Guyer, A. E. (2016, April). *Exposure to community crime and Mexican-origin adolescents' neural processing of emotional faces*. Society for Research in Adolescence Biennial Meeting, Baltimore, MD.

Weissman, D. G., Schriber, R. A., Krafft, C., Robins, R. W., Conger, R. D., Hastings, P. D. Guyer, A. E. (2015, March) *Nucleus accumbens-based resting state connectivity networks: associations with substance use in Mexican-origin adolescents.* Society for Research on Child Development Biennial Meeting, Philadelphia, PA.

Weissman, D. G., Schriber, R. A., Krafft, C., Robins, R. W., Conger, R. D., Hastings, P. D. Guyer, A. E. (2014, May). *Differences in nucleus accumbens connectivity associated with adolescent substance use.* Association for Psychological Sciences Annual Meeting, San Francisco, CA.

INVITED TALKS

Stimulus and Response: Theoretical Advances in Early Adversity Research. Diversity in Clinical Psychology Graduate Seminar, Florida State University. Virtual presentation. October 18, 2022.

Stimulus and Response: Theoretical Advances in Early Adversity Research. Clinical Affective Neuroscience Laboratory, University of California – San Francisco. Virtual presentation. June 1, 2022.

Stimulus and Response: Improving Theoretical Rigor in Early Adversity Research. Youth Development Institute, University of Georgia. Virtual presentation. November 10, 2021.

Childhood trauma, emotions, and mental health: What the science of childhood adversity can tell us about how to support youth mental health. Believe Conference. Child Advocacy Center of the Finger Lakes. Virtual presentation. November 3, 2021.

Trauma and the teenage brain. Massachusetts Grandparents Raising Grandchildren support group facilitator meeting. Virtual presentation. August 1, 2021.

Neurodevelopmental Mechanisms Linking Childhood Trauma with Psychopathology. Harvard Psychiatry Fellows first year seminar. McClean Hospital, Cambridge, MA. October 31, 2019.

TEACHING EXPERIENCE

Harvard University, Cambridge, MA

September 2018-present

Postdoctoral Fellow

Course: Laboratory in Developmental Psychopathology (Stress and Development Lab meeting course)

Guest Lecturer

Course: Child and Adolescent Psychiatry Fellows Residency Training Program

UC Davis Psychology Department, Davis, CA

September 2015 - March 2016

Teaching Assistant

Courses: PSC 175: Genius, Creativity, and Leadership,
PSC 142/HDE 102: Social and Emotional Development

Mount Tamalpais College, San Rafael, CA

January-April 2016

Instructor in Psychology at San Quentin Prison

January-May 2023 (planned)

Courses: PSY 221: General Psychology,
PSY 255 - Child Growth and Development

East Bay Academy for Young Scientists. Berkeley, CA

September 2011 – June 2013

Public Education Specialist

Roots International Academy. Oakland, CA
Teacher, 7th Grade Science

August 2008 – June 2011

AWARDS AND HONORS

Harvard Brain Science Initiative Young Scientist Transition Award: 2021

Society for Research on Child Development Biennial Meeting Travel Award: 2017

University of California-Davis Center for Poverty Research Graduate Student Fellowship: 2014, 2016

National Science Foundation Graduate Research Fellowship, Honorable Mention: 2014

University of California-Davis Provost's First Year Fellowship: 2013

PREVIOUS RESEARCH EXPERIENCE

Laboratories of Paul Hastings and Amanda Guyer, June 2013- September 2018

UC Davis Center for Mind and Brain

Laboratory of Wendy Mendes, UC San Francisco June 2017-September 2017

Laboratory of Silvia Bunge UC Berkeley Psychology August 2012- May 2013

Laboratory of Adrian Raine, USC Psychology August 2005- December 2006

SCIENTIFIC CONSULTING/ADVISING

Chorus Wellnes Inc. April 2022-March 2023
Scientific Advisor

OTHER COMMUNITY WORK

UC Davis Department of Human Ecology Summer High School Research Program June 2017
Mentor

Oliver Wendell Holmes Junior High School. Davis, CA August 2014 – October 2015
Cross Country Coach, Basketball Coach

SERVICE

Mentor for the Prospective PhD and RA Event in Psychology (PPREP), Harvard

Organizing Committee for the Innovators in Cognitive Science seminar series:
<https://innovatorsincogneuro.github.io/>

Psychology Ambassador to the Graduate Student Association, UC Davis

Founding member of the Psychology Graduate Student Diversity Committee, UC Davis

Mentor for the UC Davis Summer Poverty Research Engagement Experience

Peer Reviewing for 2019 Society for Research in Child Development Biennial Meeting

Ad Hoc Peer Reviewer for National Science Foundation CAREER Awards (2021)

Peer Review: <https://publons.com/researcher/1457644/david-weissman/peer-review/>

PROFESSIONAL ORGANIZATIONS

Association for Psychological Science: 2014-present

American Psychological Association: 2013-present

Society for Research on Adolescence: 2015-present

Society for Research in Child Development: 2014-present

The International Congress for Integrative Developmental Cognitive Neuroscience (Flux Society): 2014-present

University of California Consortium on the Developmental Science of Adolescence: 2015-2018

TRAININGS AND CONFERENCES ATTENDED

Society for Affective Science Annual Conference, April 2023

Flux Congress, September 2021

Society for Biological Psychiatry, April 2021

Society for Research in Child Development Biennial Meeting, April 2021

Society for Epidemiological Research Annual Meeting, December 2020

Flux Virtual Congress, September 2020

Society for Research in Child Development Biennial Meeting, Baltimore, MD: March, 2019

American Psychosomatic Society Mid-year meeting, Berkeley, CA: October, 2017

University of California Consortium on the Developmental Science of Adolescence Summer Institute, Los Angeles, CA: August 2017

Society for Research in Child Development Biennial Meeting, Austin, TX: April, 2017

Society for Research on Adolescence Biennial Meeting, Baltimore, MD: April, 2016

University of California Consortium on the Developmental Science of Adolescence, Berkeley, CA: August 2015

Society for Research in Child Development Biennial Meeting, Philadelphia, PA: March, 2015

Flux Congress, Hollywood, CA: September, 2014

Association for Psychological Sciences Annual Meeting. San Francisco, CA: May, 2014.

National Institute of Health Analysis of Functional NeuroImaging (AFNI) Bootcamp. Bethesda, MD: December, 2013.