

*CURRICULUM VITAE – AUGUST 2023*

**DANIEL A. HACKMAN, PH.D.**

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**EDUCATION**

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**University of Pennsylvania**, Philadelphia, PA  
Ph.D., Psychology (with clinical training) 2012  
M.A., Psychology 2007

**Western Psychiatric Institute and Clinics (WPIC)**, Pittsburgh, PA 2011 - 2012  
Predoctoral Clinical Psychology Internship

**Pepperdine University Graduate School of Education and Psychology**, Los Angeles, CA 2006  
M.A., Psychology

**Brown University**, Providence, RI, 1998  
Sc.B., Neuroscience, *magna cum laude*

**ACADEMIC POSITIONS / EMPLOYMENT**

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**Associate Professor** 2023 - present  
USC Suzanne Dworak-Peck School of Social Work, University of Southern California

**Faculty Affiliate** 2020 - present  
USC Spatial Sciences Institute

**Assistant Professor** 2016 - 2023  
USC Suzanne Dworak-Peck School of Social Work, University of Southern California

**Honorary Fellow** 2016 - 2017  
University of Wisconsin, Madison, Department of Population Health Sciences

**Robert Wood Johnson Foundation Health and Society Scholar** 2014 - 2016  
University of Wisconsin, Madison

**Affiliate, Center for Demography and Ecology** 2014 - 2016  
University of Wisconsin, Madison

**Postdoctoral Scholar**  
University of Pittsburgh School of Medicine, Department of Psychiatry 2012 - 2014

**PUBLICATIONS**

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Total citations, Google Scholar, as of 8/29/23: 5,150; h-index: 18; i-10 index: 23

\* Denotes student / mentee

Peer Reviewed Articles

- \*Yu, X., Rahman, M. M., Carter, S. A., Lin, J. C., Zhuang, Z., Chow, T., Lurmann, F. W., Kleeman, M. J., Martinez, M. P., Eckel, S. P., Chen, Z., Levitt, P., Schwartz, J., **Hackman, D. A.**, Chen, J. C., McConnell, R., & Xiang, A. H. (2023). Prenatal Air Pollution, Maternal Immune Activation, and Autism Spectrum Disorder. *Environment International*, 179, 108148. <https://doi.org/10.1016/j.envint.2023.108148>.
- Cotter, D. L., Campbell, C. E., Sukumaran, K., McConnell, R., Berhane, K., Schwartz, J., **Hackman, D. A.**, Ahmadi, H., Chen, J.C., & Herting, M. M. (2023). Effects of ambient air pollution on maturation of functional brain networks in adolescents. *Environment International*, 177, 108001. <https://doi.org/10.1016/j.envint.2023.108001>.
- Sukumaran, K., Cardenas-Iniguez, C., Burnor, E., Bottenhorn, K. L., **Hackman, D. A.**, McConnell, R., Berhane, K., Schwartz, J., Chen, J. C., Herting, M. M. (2023) Ambient fine particulate exposure and subcortical gray matter microarchitecture in 9- and 10-year-olds children across the United States. *iScience*, 26(3). <https://doi.org/10.1016/j.isci.2023.106087>.
- Marshall, A. T., **Hackman, D. A.**, Kan, E., Abad, S., Baker, F. C., Baskin-Sommers, A., Dowling, G. J., Gonzalez, M. R., Guillaume, M., Kiss, O., McCabe, C. J., McCandliss, B. D., Pelham III, W. E., Tapert, S. F., Van Rinsveld, A., & Sowell, E. R. (2022) Location matters: Regional variation in association of community burden of COVID-19 with parent and youth worry. *Health & Place*, 77, 102885. <https://doi.org/10.1016/j.healthplace.2022.102885>
- \*Lee, W. J., **Hackman, D. A.**, Guttmanova, K., Kosterman, R., & Lee, J. O. (2022). Cumulative neighborhood risk and subsequent internalizing behavior among Asian American adolescents. *Journal of Youth and Adolescence*. <https://doi.org/10.1007/s10964-022-01623-3>
- Hackman, D. A.**, Duan, L., McConnell, E., \*Lee, W. J., Beak, A. S. & Kraemer, D. J. M. (2022). School climate, cortical structure, and socioemotional functioning: Associations across family income levels. *Journal of Cognitive Neuroscience*, 34(10), 1842-1865. [https://doi.org/10.1162/jocn\\_a\\_01833](https://doi.org/10.1162/jocn_a_01833)
- Hackman, D. A.**, Suthar, H., \*Palmer Molina, A., Dawson, W. C., & Putnam-Hornstein, E. (2022). Neighborhood poverty, intergenerational mobility, and early developmental health in a population birth cohort. *Health & Place*, 74, 102754. <https://doi.org/10.1016/j.healthplace.2022.102754>
- Marshall, A. T., **Hackman, D. A.**, Baker, F. C., Breslin, F. J., Brown, S. A., Dick, A. S., Gonzalez, M. R., Guillaume, M., Kiss, O., Lisdahl, K. M., McCabe, C. J., Pelham III, W. E., Sheth, C., Tapert, S. F., Van Rinsveld, A., Wade, N. E., & Sowell, E. R. (2022). Resilience to COVID-19: Socioeconomic Disadvantage Associated With Positive Caregiver–Youth Communication and Youth Preventative Actions. *Frontiers in Public Health*, 10, 734308. <https://doi.org/10.3389/fpubh.2022.734308>
- \*Palmer Molina, A., Skowron, E. S., & **Hackman, D. A.** (2022). Maternal intimate partner violence exposure and autonomic reactivity: Associations with positive parenting. *Journal of Interpersonal Violence*, 37(3–4), 997–1022. <https://doi.org/10.1177/0886260520922514>
- \*Yu, X., Rahman, M. M., Wang, Z., Carter, S. A., Schwartz, J., Chen, Z., Eckel, S. P., **Hackman, D. A.**, Chen, J.-C., Xiang, A. H., & McConnell, R. (2022). Evidence of susceptibility to autism risks associated with early life ambient air pollution: A systematic review. *Environmental Research*, 208, 112590. <https://doi.org/10.1016/j.envres.2021.112590>

- Lu, W., **Hackman, D. A.**, & Schwartz, J. (2021). Ambient air pollution associated with lower academic achievement among US children: A nationwide panel study of school districts. *Environmental Epidemiology*, 5(6), e174. <https://doi.org/10.1097/EE9.000000000000174>
- Hackman, D. A.**, Cserbik, D., Chen, J. C., Berhane, K. T., Minaravesh, B., McConnell, R., & Herting, M. M. (2021). Association of local variation in neighborhood disadvantage in metropolitan areas with youth neurocognition and brain structure. *JAMA Pediatrics*, 175(8), e210426–e210426. <https://doi.org/10.1001/jamapediatrics.2021.0426>
- Evans, G. W., Farah, M. J., & **Hackman, D. A.** (2021). Early Childhood Poverty and Adult Executive Functioning: Distinct, Mediating Pathways for Different Domains of Executive Functioning. *Developmental Science*, 24(5), e13084. <https://doi.org/10.1111/desc.13084>
- Cserbik, D., Chen, J. C., McConnell, R., Berhane, K., Sowell, E. R., Schwarz, J, **Hackman, D. A.**, Kan, E., Fan, C. C., & Herting, M. M. (2020). Fine particulate matter exposure during childhood relates to hemispheric-specific differences in brain structure. *Environment International*, 143, 105933. <https://doi.org/10.1016/j.envint.2020.105933>
- Alvarez, G. M., **Hackman, D. A.**, Miller, A. B., & Muscatell, K. A. (2020). Systemic Inflammation is Associated with Differential Neural Reactivity and Connectivity to Affective Images. *Social Cognitive and Affective Neuroscience*, 15(10), 1024–1033. <https://doi.org/10.1093/scan/nsaa065>
- Negriff, S., \*Palmer Molina, A., & **Hackman, D. A.** (2020). Parental exposure to childhood maltreatment and offspring’s mental health: Investigating pathways through parental adversity and offspring exposure to maltreatment. *Child Maltreatment*, 25(4), 422-432. <https://doi.org/10.1177/1077559520912342>
- Lee, J. O., Howard, J., \*Lee, W. J., **Hackman, D.A.**, McLeod, G.F.H., & Boden, J.M. (2020). Social causation, social selection, or common determinants? Examining competing explanations for the link between young adult unemployment and nicotine dependence disorder. *Nicotine & Tobacco Research*, 22(11), 200-2013. <https://doi.org/10.1093/ntr/ntz131>
- Hackman, D. A.**, Robert, S. A., Grübel J., Weibel, R., Anagnostou, E., Hölscher C., & Schinazi, V. R. (2019). Neighborhood environments influence emotion and physiological reactivity. *Scientific Reports*, 9(1), 9498. <https://doi.org/10.1038/s41598-019-45876-8>
- Lee, J. O., Jones, T. M., Yoon, Y., **Hackman, D. A.**, Yoo, J. P., & Kosterman, R. (2019). Young Adult Unemployment and Later Depression and Anxiety: Does Childhood Neighborhood Matter?. *Journal of Youth and Adolescence*, 48(1), 30-42. <https://doi.org/10.1007/s10964-018-0957-8>
- Hackman, D. A.**, O’Brien, J. R., & Zalewski, M., (2018). Enduring association between parenting and cortisol: A meta-analysis. *Child Development*, 89(5), 1485-1503. <https://doi.org/10.1111/cdev.13077>  
^ Denotes equal authorship
- Hackman, D. A.**, Kuan, D. C. H., Manuck, S. B., & Gianaros, P. J. (2018). Socioeconomic position and age-related disparities in regional cerebral blood flow within the prefrontal cortex. *Psychosomatic Medicine*, 80(4), 336-344. <https://doi.org/10.1097/psy.0000000000000566>
- Grübel, J., Weibel, R., Haojiang, M. Hölscher, C., **Hackman, D. A.**, & Schinazi, V. R. (2017). EVE: A Framework for Experiments in Virtual Environments. In: Barkowsky T., Burte H., Hölscher C.,

Schultheis H. (eds) *Spatial Cognition X*. (pp. 159–176). Lecture Notes in Computer Science, vol 10523, Springer International Publishing.

Gianaros, P. J., Kuan, D. C. H., Marsland, A. L., Sheu, L. K., **Hackman, D. A.**, Miller, K. G., & Manuck, S. B. (2017). Community Socioeconomic Disadvantage in Midlife Relates to Cortical Morphology via Neuroendocrine and Cardiometabolic Pathways. *Cerebral Cortex*, 27(1), 460–473.

<https://doi.org/10.1093/cercor/bhv233>

Avants, B., **Hackman, D. A.**, Betancourt, L. M., Lawson, G. M., Hurt, H., & Farah, M. J. (2015). Relation of childhood home environment to cortical thickness in late adolescence: Specificity of experience and timing. *PLoS ONE*. 10(10): e0138217. <https://doi.org/10.1371/journal.pone.0138217>

**Hackman, D. A.**, Gallop, R., Evans, G.W., & Farah, M. J. (2015). Socioeconomic status and executive function: Developmental trajectories and mediation. *Developmental Science*, 18(5), 686–702.

<https://doi.org/10.1111/desc.12246>

**Hackman, D. A.**, Betancourt, L. M., Gallop, R., Romer, D., Brodsky, N. L., Hurt, H., & Farah, M. J. (2014). Mapping the trajectory of socioeconomic disparity in working memory: Parental and neighborhood factors. *Child Development*, 85(4), 1433-1445. <https://doi.org/10.1111/cdev.12242>

Gianaros, P. J., & **Hackman, D. A.** (2013). Contributions of neuroscience to the study of socioeconomic health disparities. *Psychosomatic Medicine*, 75(7) 610-615.

<https://doi.org/10.1097/psy.0b013e3182a5f9c1>

**Hackman, D. A.**, Betancourt, L. M., Kobrin, L., Hurt, H., & Farah, M. J. (2013). Selective impact of early parental responsivity on adolescent stress reactivity. *PLoS ONE* 8(3): e58250.

<https://doi.org/10.1371/journal.pone.0058250>

**Hackman, D. A.**, Betancourt, L. M., Brodsky, N. L., Hurt, H., & Farah, M. J. (2012). Neighborhood disadvantage and adolescent stress reactivity. *Frontiers in Human Neuroscience*, 6(277)

<https://doi.org/10.3389/fnhum.2012.00277>

**Hackman, D. A.**, Farah, M. J., & Meaney, M. J. (2010). Socioeconomic status and the brain: Mechanistic insights from human and animal research. *Nature Reviews Neuroscience*, 11, 651-659.

<https://doi.org/10.1038/nrn2897>

**Hackman, D. A.**, & Farah, M. J. (2009). Socioeconomic status and the developing brain. *Trends in Cognitive Sciences*, 13(2), 65-73. <https://doi.org/10.1016/j.tics.2008.11.003>

#### Book Chapters

**Hackman, D. A.**, & Kraemer, D. J. M. (2020). Socioeconomic disparities in achievement: Insights on neurocognitive development and educational interventions. In M. S. C. Thomas, D Mareschal & I. Dumontheil, (Eds.), *Educational Neuroscience: Development Across the Life Span* (pp. 88-118). New York: Psychology Press (Taylor & Francis)

Lawson, G. M., Hook, C. J., **Hackman, D. A.**, & Farah, M. J. (2015). Socioeconomic status and the development of executive function: Behavioral and neuroscience approaches. In J. A. Griffin, L. S. Freund, & P. McCardle (Eds.), *Executive Function in Preschool Age Children: Integrating Measurement, Neurodevelopment and Translational Research*. Washington, DC: APA Press.

Hanson, J. L., & **Hackman, D. A.** (2012). Cognitive neuroscience and SES. In B. Wolfe, W. N. Evans, T. Seeman (Eds.), *The Biological Consequences of Socioeconomic Inequalities*. New York: Russell Sage

Farah, M. J., & **Hackman, D. A.** (2012). SES, childhood experience, and the neural bases of cognition. In V. Maholmes, R. King (Eds.), *The Oxford Handbook of Poverty and Child Development*. Oxford: Oxford University Press.

### Policy Briefs

Goldstein, H., Harvey, S., & **Hackman, D. A.** (2004). *An early warning sign: Diabetes deaths in California legislative districts*. Davis, CA: California Center for Public Health Advocacy

## **RESEARCH SUPPORT / AWARDS**

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### Current Grant Support

National Institute for Child Health and Human Development 7/19/2022 - 04/30/2027  
R01 HD108398  
Title: "Neighborhood characteristics and neurodevelopment: Risk and protective factors, and susceptibility to stressors and school disruption during the COVID-19 pandemic"  
Total cost: \$3,269,743  
Role: Principal Investigator

National Institute for Child Health and Human Development 03/01/2020 – 02/28/2025  
R01 HD098161  
Title: "Linking DNA Methylation with Child Maltreatment and Mental Health across Adolescence"  
Total Amount: \$3,143,411  
Role: Co-Investigator (PI: Negriff)

National Institute of Environmental Health Sciences 9/9/2020 – 6/30/2025  
1R01 ES031074  
Title: "Urban air pollution and neurobehavioral trajectories in the ABCD study"  
Total Amount: \$3,241,058  
Role: Co-Investigator (PI: Herting)

National Institute of Environmental Health Sciences 9/21/2020 – 6/30/2025  
1R01 ES032295  
Title: "The role of air pollution in emotional neurodevelopment and risk for psychiatric disorders"  
Total Amount: \$2,645,035  
Role: Co-Investigator (PI: Herting)

### Grants Completed

National Institute for Child Health and Human Development 08/16/2019 - 07/31/2023 (NCE)  
R21 HD099596  
Title: "Adolescent responses to varying environments in virtual reality simulations"  
Total cost: \$440,713  
Role: Principal Investigator

USC Zumberge Special Solicitation – Epidemic & Virus Related Research 8/1/2020 – 10/31/2022 (NCE)  
Title: "Vulnerability to the psychosocial impact of the COVID-19 pandemic: The role of child

maltreatment and DNA methylation.”  
Total Amount: \$82,909  
Role: Principal Investigator

National Institute for Drug Abuse 6/1/2020 - 3/31/2022  
3U01 DA041048-06S, Administrative supplement  
Title: “Contextualizing the Impact of the COVID-19 Pandemic on Development in the ABCD Cohort: Integration of Geocoded Data”  
Total Amount: \$340,318  
Role: Co-Investigator (Supplement PI: Sowell)

USC Suzanne Dworak-Peck School of Social Work, Dept. Children, Youth and Families 2018-2019  
Title: "Adolescent responses to varying environments in virtual reality simulations"  
Role: Principal Investigator, Amount: \$19,348 (Larsen Fund pilot)

University of Wisconsin Institute for Clinical and Translational Research (UW ICTR) 2016  
Advancing Health Equity and Diversity (AHEAD) Pilot Grant, UW ICTR infrastructure supported in part by grant UL1TR000427 to UW ICTR from the National Center for Advancing Translational Sciences (NCATS) at the National Institutes of Health NIH/NCATS  
Title: Health disparities: A virtual, experimental model of neighborhood disadvantage  
Role: Principal Investigator, Amount: \$10,000  
Note: This funded a UW-Madison based pilot of the protocol developed with the RWJF competitive grants noted below.

Robert Wood Johnson Foundation Health & Society Scholars Competitive Grant 2015-2016  
Title: Experimental approaches to health disparities: Manipulations of neighborhood disadvantage in a virtual environment (Note: This continued work from the 2015 grant below)  
Role: Principal Investigator, Amount: \$15,000

Robert Wood Johnson Foundation Health & Society Scholars Competitive Grant 2015  
Title: Experimental approaches to health disparities: Manipulations of neighborhood disadvantage in a virtual environment  
Role: Principal Investigator, Amount: \$12,000

National Institute of Mental Health, Clinical Research Training for Psychologists 2012 - 2014  
Post-doctoral research training focused on integrating clinical science and developmental cognitive/affective neuroscience, and health psychology  
Role: Trainee (T32MH018269, PI: Pilkonis, Mentor: Gianaros)

## **CONFERENCE PRESENTATIONS AND INVITED TALKS**

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### Invited talks

**Hackman, D. A.** (2023, April). *Development and disparities in neighborhood context*. In “Virtual Workshop #1 – Structural and Social Determinants of Risk”, National Academies of Sciences, Engineering, and Medicine (NASEM) Workshop Series, “Addressing Health Disparities in Central Nervous System Disorders: A Workshop Series”.

**Hackman, D. A.** (2021, July). *Development and disparities in neighborhood context*. In “Social Environment and the Developing Brain”, National Institute on Drug Abuse (NIDA) Diversity and

Inclusion (DIG) group seminar series, “Addressing Health Disparities with Neuroscience: Views By Two.”

**Hackman, D. A.** (2020, January). *Exposure to adversity and social disparities: Neurobiological and psychological risk across development*. Southern California Environmental Health Sciences Center Monthly Seminar Series, University of Southern California Keck School of Medicine, Department of Preventive Medicine.

**Hackman, D. A.** (2016, May). *Experimental Approaches to Disparities: Manipulations of Neighborhood Disadvantage in a Virtual Environment*. Robert Wood Johnson Foundation Health & Society Scholars Annual Program Meeting.

**Hackman, D. A.** (2016, April). *Experimental Approaches to Disparities: Manipulations of Neighborhood Disadvantage in a Virtual Environment*. University of Wisconsin, Department of Population Health Sciences, Madison, WI.

**Hackman, D. A.** (2015, May). *Early experience and social disparities: Neurobiological and psychological risk across the lifespan*. ETH Zurich, Behavioral Studies Colloquium.

**Hackman, D. A.** (2015, May). *Experimental approaches to disparities: Manipulations of neighborhood disadvantage in a virtual environment*. Robert Wood Johnson Foundation Health & Society Scholars Annual Program Meeting.

**Hackman, D. A.** (2015, March). *Early experience and social disparities: Neurobiological and psychological risk across the lifespan*. Northwestern University, Human Development and Social Policy Program Colloquium.

**Hackman, D. A.** (2013, March). Invited participant and discussant on *Mobilizing the Biology of Adversity to Shape the Future of Two-Generation Policies and Programs*, by Jack P. Shonkoff. Princeton-Brookings *Future of Children* Author’s Conference: “It Takes Two Generations: Strengthening the Mechanisms of Child Development”. Princeton, NJ.

**Hackman, D. A. & Farah, M. J.** (2010, June). *Socioeconomic status and neurocognitive development: Executive function*. Invited presentation at the National Institute of Child Health and Human Development meeting, “Executive Function in Preschool Children: Current Knowledge and Research Opportunities”, Rockville, MD.

**Hackman, D. A. & Farah, M. J.** (2009, September). *SES, brain development, and disparities*. Invited presentation at the Russell Sage Foundation meeting “Toward improving our understanding of the tie between socioeconomic status and health”, San Francisco, CA

**Hackman, D. A.** (2008, August). *Parenting, poverty and stress responsivity*. Invited presentation to the Behavioral Medicine Research Group and affiliates, University of Pittsburgh.

**Hackman, D. A.** (2003, August). *Childhood overweight data by legislative district and nutrition policy update*. Presentation at the California Project LEAN Statewide Meeting, Sacramento, CA.

Oral conference presentations / roundtables

Linn, B., & Sprague Martinez, L. (moderators); Boyd, D., **Hackman, D. A.**, Kumar, P., Moore, M. & Todic, J. (panelists). (2023, January). *RCDC Research Roots & Wings Roundtable II: Social Work*

*Research & Transdisciplinary Science: Navigating Epistemic Contribution and Scientific Collaborations to Solve Complex Problems.* Society for Social Work Research Annual Meeting, Phoenix AZ.

**Hackman, D. A.**, & Lee, M. Y. (moderators); Delva, J., Nurius, P., Patton, D., & Wu, S. (panelists). (2023, January). *RCDC Research Roots & Wings Roundtable I: Mentoring Doctoral Students for Transdisciplinary Team Science.* Society for Social Work Research Annual Meeting, Phoenix AZ.

Saba, S., Davis, J., Prindle, J., **Hackman, D. A.**, Castro, C., & Pedersen, E. (2023, January). Multivariate Latent Difference Score Models to Test Dynamic Associations between PTSD Symptoms, Physical Pain, and Pain-Related Fear Among U.S. Veterans. In *Understand veteran trauma: Protectors and consequences associated with mental and physical health outcomes*, Society for Social Work Research Annual Meeting, Phoenix AZ.

Cotter, D. L., Campbell, C., Sukumaran, K., McConnell, R., Berhane, K., Schwartz, J., **Hackman, D.**, Ahmadi, H., Chen, J.C., & Herting, M. M. (2022, September). Ambient air pollution and functional brain network development in adolescence. . In M. Horton & A. Ghassabian (Chairs), *Magnetic Resonance Imaging (MRI); A cross-cutting tool at the intersection of environmental epidemiology and developmental neuroscience*, International Society for Environmental Epidemiology Annual Meeting, Athens, Greece.

Lee, M. Y, **Hackman, D. A.**, (moderators); Spencer, M., Jones, J., Teasley, M., Hahm, H.C., & Alcántara, C. (panelists). (2022, April). *RCDC I: Mentorship that supports Anti-Racist and Inclusive Research.* Webinar, co-sponsored by Society for Social Work Research (SSWR), Group for the Advancement of Doctoral Education in Social Work (GADE), and the Grand Challenges for Social Work (rescheduled from the SSWR annual meeting, 2022)

Marshall, A. T., Hackman, D. A., Sowell, E. S. (2022, April). *The Impact of the COVID-19 Pandemic within the Family and Neighborhood Context.* Social, Behavioral, and Economic (SBE) Health Impacts of COVID-19 Initiative. National Institutes of Health (NIH) Grant Results Webinar.

Lu, W., **Hackman, D. A.**, & Schwartz, J. (2021, August). Ambient air pollution and academic achievements among US children: a panel study. In A. Mustapha & I. Sekmoudi (Chairs), *Air Pollution and Adverse Health Outcomes*, International Society for Environmental Epidemiology Annual Meeting, Virtual.

**Hackman, D. A.**, Duan, L., McConnell, E., \*Lee, W. J., Beak, A. S. & Kraemer, D. J. M. (2021, March). The association between school climate, brain structure and socioemotional functioning across family income levels. In **D. A. Hackman (Chair)**, *The Role of Community Contexts and Environmental Exposures in Brain Development*, Society for Research in Child Development Biennial Meeting, Virtual.

\*Palmer Molina, A., Mennen, F., & **Hackman, D. A.**, (2021, March). Economic Pressure and Maternal Trauma Exposure Among Latina Mothers: Testing an Adapted Family Stress Model. In F. A. Varner (Chair), *Examining Family Processes across Culturally Diverse Families: A Focus on Family Functioning within Black, Latinx, and Chinese Families*, Society for Research in Child Development Biennial Meeting, Virtual.

Lee, M. Y, LaSala, M., **Hackman, D. A.**, (moderators); Cogburn, C., Patterson Silver Wolf, D. A., & Putnam-Hornstein, E. A. (panelists) (2021, January). *RCDC I: Enhancing the Public Impact of Scholarship.* Society for Social Work Research Annual Meeting, Virtual.



- \*Palmer Molina, A., Skowron, E. S., & **Hackman, D. A.** (2021, January). Domains of Cumulative Risk and Parenting Among Low-Income Mothers of Young Children: The Role of Maternal Psychological Functioning. In Q. Walton (Chair), *Maternal Mental Health*, Society for Social Work Research Annual Meeting, Virtual.
- \*Lee, W. J., Lee, J. O., & **Hackman, D. A.** (2021, January). Automatic Emotion Regulation and Asian American Adolescent Mental Health: The Moderating Role of Cumulative Risk. In P. Leung (Chair), *Health, Mental Health, and Social Service Utilization*, Society for Social Work Research Annual Meeting, Virtual.
- \*Palmer Molina, A., Mennen, F., & **Hackman, D. A.**, (2021, January). Family Economic Pressure and Maternal Trauma Exposure Among Latina Mothers of Young Children: Testing an Adapted Family Stress Model. In R. Calvo (Chair), *Health and Mental Health*, Society for Social Work Research Annual Meeting, Virtual.
- Herting, M. M., Cserbik, D., McConnell, R., Berhane, K., Sowell, E. R., Schwarz, J, **Hackman, D. A.**, Fan, C. C., & Chen, J. C., (2020, August). Fine particulate matter exposure during childhood relates to hemispheric-specific differences in cortical thickness. In H. Volk & A. Dickerson (Chairs), *Air Pollution, Mental Health, and Behavior*, International Society for Environmental Epidemiology Annual Meeting, Virtual.
- Hackman, D. A.**, Khurana, A., Lee\*, W. J., Nichols, L., Betancourt, L., Hurt, H., & Romer, D. (2020, March). Socioeconomic Disparities in Trajectories of Adolescent Mental Health: The Role of Executive Function. In S. Negri (Chair), *Elucidating Longitudinal Relationships between Early Adversity and Mental Health Outcomes in Adolescence*, Society for Research in Adolescence Biennial Meeting, San Diego, CA. (Conference cancelled due to COVID-19)
- Ji, J., **Hackman, D. A.**, Lee, D., Mennen, F., & Negri, S. (2020, March). The Effects of Childhood Maltreatment Type on Mental Health Trajectories Across Adolescence. In S. Negri (Chair), *Elucidating Longitudinal Relationships between Early Adversity and Mental Health Outcomes in Adolescence*, Society for Research in Adolescence Biennial Meeting, San Diego, CA. (Conference cancelled due to COVID-19)
- Hackman, D. A.**, Anagnostou, E., Roberts, S. A., Weibel, R. P., Gröbel J., Hölscher C., & Schinazi, V. R. (2019, October). Autonomic responses to natural, physical, and social features of neighborhood environments. In B. Morey (Chair), *Area Level Risk and Individual Risk Factors*, Interdisciplinary Association for Population Health Science (IAPHS) Annual Meeting, Seattle, WA.
- Lee, J. O., Jones, T. M., Yoon, Y, **Hackman, D. A.**, Yoo, J. P., Kosterman, R., & Hawkins, J. D. (2019, January). Unemployment across young adulthood and its “scarring effects” on later mental health disorders: The role of childhood neighborhood characteristics. In Y. Kim (Chair), *Asset-Building and Unemployment for Vulnerable Youth*, Society for Social Work Research Annual Meeting, San Francisco, CA.
- Hackman, D. A.**, (2018, September). Integrating stress and adversity with mind, brain and education: Socioeconomic disparities. In L. Richland, K. Trezise (Chairs), *Emotional learners: the effects of stress and emotion on education, learning, and cognition*, International Mind, Brain and Education Society (IMBES), 6<sup>th</sup> Biennial Conference, Los Angeles, CA.

**Hackman, D. A.,** Ji, J., Negriff, S., & Mennen, F. (2018, January). Parental Empathy in Childhood Predicts Stress Reactivity at the Transition to Adulthood: Moderation by Gender. In A. Conway (Chair), *Family Relationships and Youth Mental Health*, Society for Social Work Research Annual Meeting, Washington DC.

**Hackman, D. A.,** Farah, M. J., & Evans, G. W. (2017, April). Childhood income, working memory in early adulthood, and implications for educational attainment. In E. Votruba-Drzal (Chair), *How family socioeconomic status shapes children's long-term development: Exploring neurodevelopmental pathways*, Society for Research in Child Development Biennial Meeting, Austin TX.

\*\* Paper presentation was accepted, but I was unable to present due to unexpected illness

Gianaros, P. J., Marsland, A., **Hackman, D. A.,** Janicki-Deverts, D., & Sheu, L. (2016, March). Antioxidant and inflammatory pathways link socioeconomic disadvantage to brain morphology. In T.K. Inagaki, K.A. Muscatell, P.J. Gianaros, & D. Creswell (Chairs), *Current directions in health neuroscience*, American Psychosomatic Society Annual Meeting, Denver, CO.

**Hackman, D. A.,** Gianaros, P. J., Kuan, D. C. H. & Manuck, S. B. (2015, March). Higher parental education may protect against age-related decline of regional cerebral blood flow in the prefrontal cortex. In Ö. E. Demir (Chair), *New approaches to understanding SES differences in neurocognitive development across the lifespan*, Society for Research in Child Development Biennial Meeting, Philadelphia, PA.

Betancourt, L. M., Brodsky, N. L., **Hackman, D. A.,** Hurt, H., & Farah, M. J. (2013, May). Stress reactivity and problem behavior in a cohort of youth, half with gestational cocaine exposure (GCE) and half without (NCE). Platform session at the Pediatric Academic Societies Annual Meeting, Washington DC.

**Hackman, D. A.,** Gianaros, P. J., & Manuck, S. B. (2013, April). Socioeconomic status and the family environment: Associations with neural activity and behavior during emotion regulation. In P. Kim (Chair), *Childhood socioeconomic disadvantages and brain: Relations to cognitive and emotional development*, Society for Research in Child Development Biennial Meeting, Seattle, WA.

Farah, M. J., & **Hackman, D. A.** (2011, April). *Childhood experience and brain development*. Invited presentation at the Johns Hopkins University meeting on “Stress And The Brain: Implications for Health, Development, and Learning”, Baltimore, MD.

**Hackman, D. A.,** Kobrin, L., Betancourt, L., Hurt, H., & Farah, M. J. (2009, April). Parenting, poverty and stress responsivity: Longitudinal evidence of a possible mechanism underlying neurocognitive disparities. In M. Sheridan (chair), *The biologic embedding of socioeconomic status: A look at recent research in neural correlates of family environment*. Society for Research in Child Development Biennial Meeting, Denver, CO.

**Hackman, D. A.,** Kobrin, L., Betancourt, L., Hurt, H., & Farah, M. J. (2008, July). *Longitudinal evidence of the influence of early parental nurturance on the cortisol response to a social stressor in adolescence*. International Society of Psychoneuroendocrinology Annual Conference, Dresden, Germany

**Hackman, D. A.** (2003, May). Grassroots health policy advocacy: Addressing childhood overweight. In L. R. Brilla (Chair), *Grassroots health and science policy advocacy*. Conversational Forum conducted at the American College of Sports Medicine (ACSM) 50th Annual Meeting, San Francisco, CA.

**Hackman, D. A.** (2003, January). Legislation and advocacy tools to improve school food in California. In M. Heyman (chair), *Educating our children about diet – what should be in school pantries*. Forum conducted at the Healthy Schools, Healthy People IX Conference, Sacramento, CA.

Poster presentations

Yu, X., Rahman, M. M, Carter, S. A., Lin, J. C., Chow, T., Lurmann, F. W., Chen, J. C., Martinez, M. P., Schwartz, J., Eckel, S. P., Chen, Z., McConnell, R., Hackman, D. A. & Xiang, A. H. (2022, September). Neighborhood-level Socioeconomic Position and Autism Spectrum Disorder. International Society for Environmental Epidemiology Annual Meeting, Athens, Greece.

Sun, Q., Herting, M. M., **Hackman, D. A.**, Chen, J. C., & Millstein, J. (2021, August). *Gray Matter Structures Mediate Associations between Neighborhood Socioeconomic Status and Cognition in Adolescents: Application of a Mediation Analysis Method*. International Society for Environmental Epidemiology Annual Meeting, Virtual.

**Hackman, D. A.**, Suthar, H., \*Palmer Molina, A., Dawson, W. C., & Putnam-Hornstein, E. (2021, March). *Neighborhood-level intergenerational mobility, poverty, and early developmental health in a population birth cohort*. Poster Presentation at the Society for Research in Child Development Biennial Meeting, Virtual.

\*Lee, W. J., **Hackman, D. A.**, Guttmanova, K., Kosterman, R., Hawkins, J. D., & Lee, J. O. (2021, March). *Cumulative Neighborhood Risk and Subsequent Internalizing Behavior among Asian American Adolescents*. Poster Presentation at the Society for Research in Child Development Biennial Meeting, Virtual.

Negriff, S., Palmer Molina\*, A., & **Hackman, D. A.** (2020, March). *Mechanistic Pathways Explaining the Impact of Intergenerational Transmission of Maltreatment on Adolescent Mental Health*. Poster presentation at the Society for Research in Adolescence Biennial Meeting, San Diego, CA. (Conference cancelled due to COVID-19)

Lee\*, W. J., **Hackman, D. A.**, Guttmanova, K., Hawkins, J. D., & Lee, J. O. (2020, March). *Cumulative Neighborhood Risk and Subsequent Internalizing Behavior among Asian American Adolescents*. Poster presentation at the Society for Research in Adolescence Biennial Meeting, San Diego, CA. (Conference cancelled due to COVID-19)

**Hackman, D. A.**, Farah, M. J., Lee, J. O., & Evans, G. W. (2020, January). *Intergenerational Transmission of Inequality: The Role of Working Memory in the Socioeconomic Achievement Gap in College Completion*. Poster presentation at the Society for Social Work Research Annual Meeting, Washington, DC.

Alvarez, G., **Hackman, D.A.**, & Muscatell, K. A. (2019, March). *Pro-inflammatory correlates of neural responses to affective stimuli*. Poster presentation at the American Psychosomatic Society Annual Meeting, Vancouver, BC.

**Hackman, D. A.**, Robert, S. A., Grübel, J., Weibel, R., Hölscher, C., & Schinazi, V. R. (2017, March). *Neighborhoods and health: Development and validation of an experimental manipulation of neighborhood characteristics in a virtual reality environment*. Poster presentation at the American Psychosomatic Society Annual Meeting, Seville, Spain.

- Grübel, J., Weibel, R., Hölscher, C., **Hackman, D. A.**, & Schinazi, V. R. (2016, August). *EVE: A Framework for Experiments in Virtual Environments*. Poster presentation at Spatial Cognition, Philadelphia PA.
- Ordaz, S., **Hackman, D. A.**, Rosenblum, S., Gianaros, P. J., & Luna, B. (2014, September). *Sex differences in the relation between socioeconomic status and longitudinal trajectories of brain function*. Poster presentation at the annual meeting of the Flux Congress for Integrative Developmental Cognitive Neuroscience, Hollywood CA.
- Sheu, L. K., Marsland, A. L., **Hackman, D. A.**, Kuan, Dora C-H, & Gianaros, P. J. (2014, June). *Antioxidant and inflammatory pathways link socioeconomic position to brain morphology*. Poster presentation at the Organization for Human Brain Mapping Annual Meeting, Hamburg, Germany.
- Betancourt, L. M., **Hackman, D. A.**, Farah, M. J., Brodsky, N. L., & Hurt, H. (2012, May). *Effects of stress reactivity on executive function of young adults with and without gestational cocaine exposure*. Poster presentation at the Pediatric Academic Societies' Annual Meeting, Boston, MA.
- Betancourt, L. M., Hurt, H., Yang, W., **Hackman, D. A.**, & Farah, M. J. (2009, May). *Cortisol Stress Response in Adolescents with and without Gestational Cocaine Exposure (GCE)*. Poster presentation at the Pediatric Academic Societies' Annual Meeting, Baltimore, MD.
- Hackman, D. A.**, Smith, E. S., Gallop, R., & Farah, M. J. (2009, April). *Pathways mediating the relationship between early childhood socioeconomic status and executive function*. Poster presentation at the Society for Research in Child Development Biennial Meeting, Denver, CO.
- Hackman, D. A.**, Kobrin, L., Betancourt, L., Hurt, H., & Farah, M. J. (2008, November). *Normal variation in early experience affects the cortisol response in adolescence: Evidence from a prospective, longitudinal study*. Poster presentation at the Society for Neuroscience Annual Meeting, Washington, DC
- Hackman, D. A.**, Betancourt, L., Hurt, H., & Farah, M. J. (2008, July). *Neighborhood socioeconomic status and stress physiology in adolescence: The moderating effect of gender*. Poster presentation at the International Society of Psychoneuroendocrinology Annual Conference, Dresden, Germany
- Hackman, D. A.**, Betancourt, L., Hurt, H., Gallop, R., & Farah, M. J. (2008, April). *Socioeconomic status and stress physiology: Acute cortisol response to a social stressor in adolescents*. Poster presentation at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

## TEACHING AND MENTORSHIP

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### Instructor

<b>University of Southern California, School of Social Work</b>	
SOWK 613, Social Work Practice with Children and Families in Early and Middle Childhood (Masters)	Fall 2017–2019, 2022
SOWK 743, Theories for Practice with Small Systems (Doctoral)	Spring 2017 - 2021
SOWK 608, Research and critical analysis for social work with children and families (Masters)	Fall 2016 / 2020
SOWK 546, Science of Social Work (Masters)	Fall 2021, Spring 2022

## Academic Mentoring

### University of Southern California, Doctoral Research Mentorship

#### USC Suzanne Dworak-Peck School of Social Work

Woo Jung (Amy) Lee (joint mentorship with Olivia Lee, Ph.D.) 2017 - 2023

Abigail Palmer Molina (joint mentorship with Ferol Mennen, Ph.D.) Spring 2018 – 2021

#### USC Spatial Sciences Institute

Xin Yu (co-advisor with Rob McConnell) Spring 2021 – present

#### USC, Neuroscience

Campbell, Claire (F31 Co-Sponsor, NIMH) 2023 – present

### University of Southern California, Doctoral Research Tutorials (SOWK 790)

Abigail Palmer Fall 2017

Daniel Lee Spring 2018

Woo Jung (Amy) Lee Spring 2019

Shaddy Saba Fall 2020

### University of Southern California, Dissertation Committee

Judith Perrigo (USC Suzanne Dworak-Peck School of Social Work) Spring 2018- 2020

Woo Jung (Amy) Lee (USC Suzanne Dworak-Peck School of  
Social Work, Co-chair) 2020 – 2023

Michele Livings (USC Spatial Sciences) 2021 – 2023

Xin Yu (USC Spatial Sciences; co-advisor) 2021 – present

Hannah Fritz (USC Psychology) 2022 – present

### University of Southern California, Doctoral Qualifying Committee

Carolina Villamil Grest 2017

Abigail Palmer Molina 2018 – 2019

Monique Holguin 2019 – 2020

Woo Jung (Amy) Lee (Chair) 2019 – 2020

Shaddy Saba 2021 – 2022

Yi-Hsuan Tung 2021 – 2022

Hannah Fritz 2022

### University of Southern California, USC Graduate Initiative for Diversity, Inclusion, and Access (DIA)

Harmony K. Nguyen Summer 2021

### University of Pennsylvania, Undergraduate Honors Program, Psychology 2007 - 2008

Lara Kobrin (Winner, Morris Viteles award for outstanding undergraduate research)

## Guest Lecturer

### University of Southern California

CSCI 599: AI for Social Good, University of Southern California 2017

Lecture: *Inequality and healthy development*

### ETH Zurich

Chair of Cognitive Science

Lecture: *Modeling reactivity using growth curves* 2017

Applied Cognitive Science

Lecture: *Socioeconomic status and lifespan development: Insights from* 2015

*psychology and neurobiology*

**University of Pennsylvania**

Neuroscience Boot Camp,	
Workshop (2010): <i>Cognitive Neuroscience of Depression</i>	2010
Workshop (2010): <i>Socioeconomic Status and the Developing Brain</i>	2010
Lecture (2009): <i>Voodoo Correlations in Neuroscience</i>	2009
Workshop (2009): <i>fMRI Journal Club: Empathy and Race</i>	2009
Developmental Psychology,	2009
Lecture: <i>Contextual Influences on Child Development</i>	

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## **ADDITIONAL SPECIALIZED RESEARCH TRAINING**

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Mindware Heart Rate Variability Workshop and Seminar	2016
University of Pittsburgh School of Education, <i>Structural Equation Modeling: Introduction and Advanced</i> (Instructor, Kevin Kim Ph.D.)	2014
UCLA Advanced Neuroimaging Summer Program, Fellow	2013
Neurometrika fMRI training, <i>SPM8 for Basic and Clinical Investigators</i>	2012
University of Pittsburgh, fMRI Data Analysis (Instructor, Kirk Erickson, Ph.D.)	2012
Statistical Modeling With Mplus: Basic, Intermediate, And Advanced Techniques	2012
Johns Hopkins Center for Prevention and Early Intervention, Bloomberg School of Public Health.	
Salimetrics, <i>Salivary Analyte Basics for Behavioral and Social Scientists</i>	2008

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## **PROFESSIONAL ACTIVITIES AND SERVICE**

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USC Suzanne Dworak-Peck School of Social Work	
Elected School Governance Councils	
Faculty Council (elected)	2022 - 2023 2019 - 2020
Research council (elected)	2017 - 2018
Associate Dean of Research Search Advisory Committee	2020
Doctoral Program Committee	2016 - present
PhD Program Subcommittee (provides consultation to the doctoral program director concerning program planning, goals, program self-study activities etc)	2017 - 2022
Curricular sequence subcommittee (Convener)	2020 - 2022
PhD Social and Intellectual Training Environment subcommittee (Member)	2020 - 2022
Children, Youth and Families Dept: Managing and Adapting Practice committee	2019
Children, Youth and Families Dept: Research Enterprise committee	2017 - 2019
Dept. of Children, Youth and Families: APR review subcommittee	Fall 2017
USC Social Work Masters Admissions Committee, VAC	Spring 2017
USC Social Work Faculty Recruitment Host	Spring 2017
USC Spatial Sciences Institute	
Population, Health & Place PhD Admissions	2022 – 2023
Population, Health & Place PhD Program Info Session Presenter	2022 – present
University of Southern California (USC)	
Precision Health Initiative at USC	
Social and Environmental Determinants of Health (SEDoH) Workgroup	2022 - present
USC CTSI Grant Review Panel	Spring 2018, 2022/2023

National Institutes of Health, Peer Reviewer

National Institute on Drug Abuse (NIDA) Special Emphasis Panels 2/2022, 11/2022  
National Institute of Mental Health (NIMH) Special Emphasis Panels 3/2023

National Academies of Sciences, Engineering, and Medicine (NASEM)

11/2022 - present

Planning Committee Member, Workshop series “*Addressing Health Disparities in Central Nervous System Disorders*,” hosted by the Forum on Neuroscience and Nervous System Disorders.

Ad hoc reviewer: *Applied Developmental Science, Acta Paediatrica, Biological Psychiatry, British Journal of Developmental Psychology, Child Development, Child Maltreatment, Cognition, Cognitive Science, Developmental Cognitive Neuroscience, Development and Psychopathology, Developmental Psychobiology, Developmental Psychology, Developmental Science, Early Education and Development, Frontiers in Human Neuroscience, Future of Children, Infant and Child Development, Neuropsychopharmacology, JAMA Pediatrics, Journal of Applied Developmental Psychology, Journal of Neuroscience, Nature Communications, Pediatrics, Proceedings of the National Academy of Sciences, Psychological Bulletin, Psychoneuroendocrinology, Psychosomatic Medicine, Social Cognitive and Affective Neuroscience, Stress and Health, WIREs Cognitive Science*

Society for Social Work Research

SSWR Research Capacity Development Committee (RCDC) 2019 – present  
Co-organizer, with Mo-Yee Lee, of the RCDC Roots and Wings I roundtable sessions 2021 - 2023  
Coffee with a Scholar, SSWR annual meeting 2020

Ethics in Investigational & Interventional Uses of Immersive Virtual Reality (e3iVR), April 2017:

Workgroup member to develop a set of guidelines or principles for the ethical use of VR in research and clinical intervention. (AHRQ R13HS024833)

Robert Wood Johnson Foundation Health and Society Scholars, *Scholars Only Meeting*, Conference co-organizer: September 30, 2015, Washington DC.