

## Colter Mitchell

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### PROFESSIONAL POSITIONS

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- 2015-Present *Research Assistant Professor*  
Survey Research Center, University of Michigan-Ann Arbor
- 2017-Present *Co-Director*  
ISR Biospecimen Lab, University of Michigan-Ann Arbor
- 2014-Present *Associate Director*  
Bio-Social Methods Collaborative, University of Michigan-Ann Arbor
- 2014-Present *Research Affiliate*  
Center for Human Growth and Development, University of Michigan-Ann Arbor
- 2014-Present *Research Faculty*  
Michigan Center on the Demography of Aging, University of Michigan-Ann Arbor
- 2012-Present *Faculty Associate*  
Population Studies Center, University of Michigan-Ann Arbor
- 2012-2015 *Faculty Research Fellow*  
Survey Research Center, University of Michigan-Ann Arbor

### EDUCATION & TRAINING

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Postdoctoral Fellow	06/2012	Biodemography	Princeton University
Ph.D.	08/2009	Sociology	University of Michigan, Ann Arbor
M.A.	04/2007	Statistics	University of Michigan, Ann Arbor

### PEER REVIEWED ARTICLES

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Hein, Tyler C., Leigh G. Goetschius , Vonnie C. McLoyd , Jeanne Brooks-Gunn, Sara S. McLanahan, **Colter Mitchell**, Nestor L. Lopez-Duran , Luke W. Hyde, Christopher S. Monk  
Forthcoming. Childhood Violence Exposure and Social Deprivation are Associated with Adolescent Threat and Reward Neural Function *Journal of Child Psychology and Psychiatry*

Allendorf, Keera, Arland Thornton, Linda Young DeMarco, and **Colter Mitchell** Forthcoming. The Influence of Developmental Idealism on Marital Attitudes, Expectations, and Timing" *Journal of Family Issues* *Journal of Family Issues*

Jimenez, Manuel E., Nancy E. Reichman, **Colter Mitchell**, Lisa Schneper, Sara McLanahan, Daniel A. Notterman. Forthcoming. Shared reading at age 1 and later vocabulary: A gene-environment study. *Journal of Pediatrics*

Jenalee R. Doom, Melissa K. Peckins, Tyler C. Hein , Hailey Dotterer, **Colter Mitchell**, Nestor L. Lopez-Duran, Jeanne Brooks-Gunn, Sara McLanahan, Luke W. Hyde, James L. Abelson, Christopher S. Monk Differential Associations of Abuse and Neglect with Overall Cortisol Output at 15 Years: Implications for Adolescent Mental Health *Development and Psychopathology*

Rentscher, Kelly, **Colter Mitchell**, and Judith Carroll. 2019. Social and Psychological Influences on Telomere Length *Annual Review of Public Health* 41:

Gard, A. M., Ware, E. B., Hyde, L. W., Schmitz, L., Faul, J., & **Mitchell, C. M.** Forthcoming. Assessing the structure and specificity of polygenic scores for psychiatric outcomes in a population-based cohort of older adults *Biological Psychiatry*

Dotterer, H. L., Waller, R., Hein, T. C., Pardon, A., **Mitchell, C.**, Lopez-Duran, N. L., Monk, C.S., & Hyde, L. W. Forthcoming. Clarifying the link between amygdala functioning during emotion processing and antisocial behaviors versus callous-unemotional traits within a population-based community sample. *Clinical Psychological Science*

Gard, A. M., Maxwell, A. M., Shaw, D. S., **Mitchell, C.**, Brooks-Gunn, J., McLanahan, S. S., Forbes, E. E., Monk, C. S., & Hyde, L. W. In press Beyond family-level adversities: Exploring the developmental timing of neighborhood effects on the brain. *Psychological Science*

**Mitchell CM**, Faul JD, Kho M, Zhao W, Ware EB, Hillman TJ, Smith JA. Genetic burden and early life socioeconomic status jointly influence memory performance and decline in older adults. *Biodemography and Social Biology*

Goetschius, Leigh G., Tyler C. Hein, Whitney I. Mattson, Nestor Lopez-Duran, Hailey L. Dotterer, Robert C. Welsh, **Colter Mitchell**, Luke W. Hyde, and Christopher S. Monk. "Amygdala-prefrontal cortex white matter tracts are widespread, variable and implicated in amygdala modulation in adolescents." *NeuroImage* 191 (2019): 278-291.

Waller, R., A. M. Gard, C. S. Monk, **C. Mitchell**, B. Bazzi, I. Sypher, J. Brooks-Gunn, S. McLanahan, and L. W. Hyde. "The System for Coding Interactions and Family Functioning (SCIFF) in low-income and urban adolescents." *Psychological assessment* (2019).

- Peckins, Melissa, Andrea Roberts, Tyler Hein, **Colter Mitchell**, Christopher Monk, Luke Hyde, and Nestor Lopez-Duran. "Early stress, deprivation, and threat as predictors of cortisol, DHEA, and cortisol/DHEA ratios in adolescence." *Psychoneuroendocrinology* 100 (2019): S62.
- Roberts, Andrea, Melissa Peckins, Tyler Hein, **Colter Mitchell**, Christopher Monk, Luke Hyde, and Nestor Lopez-Duran. "DHEA/Cortisol Ratios moderate the association between negative life events and internalizing psychopathology in adolescence." *Psychoneuroendocrinology* 100 (2019): S1.
- Gard, Arianna M. Erin B Ware, Luke W. Hyde, Lauren Schmitz, Jessica Faul, and **Colter Mitchell** 2019. Assessing the structure and specificity of polygenic scores for psychiatric disorders in a population-based cohort of older adults. *bioRxiv*
- Smith, Jennifer A. Minjung Kho, Wei, Zhao, Miao Yu, **Colter Mitchell**, and Jessica D. Faul. (2018). "Genetic effects and gene-by-education interactions on episodic memory performance and decline in an aging population." *Social Science & Medicine* 10 Nov. 2018.
- Hein, Tyler C. Whitney I Mattson, Hailey L. Dotterer, **Colter Mitchell**, Nestor Lopez-Duran, Moriah Thomason, Scott J Peltier, Robert C. Welsh, Luke W. Hyde, and Christopher S. Monk. (2018). "Amygdala habituation and uncinated fasciculus connectivity in adolescence: A multi-modal approach." *NeuroImage* 183: 617-626.
- Goosby, Bridget J., Jacob E. Cheadle, & **Colter Mitchell**. 2018. Stress-related biosocial mechanisms of discrimination and African American health inequalities. *Annual Review of Sociology* 44:319-340
- Lewandowski-Romps, Lisa, Heather M. Schroeder, Patricia A. Berglund, Lisa J. Colpe, Kenneth Cox, Keith Hauret, Jeffrey D. Hay, Bruce Jones, Roderick J.A. Little, **Colter Mitchell**, Michael Schoenbaum, Paul Schulz, Murray B. Stein, Robert J. Ursano. (2018). Medical-encounter mental health diagnoses, non-fatal injury and polypharmacy indicators of risk for accident death in the US Army enlisted soldiers, 2004–2009. *Preventive Medicine* 111: 299-306.
- Brown, Lauren, Yuan S. Zhang **Colter Mitchell**, and Jennifer Ailshire. 2018. Does Telomere Length Indicate Biological, Physical and Cognitive Health Among Older Adults? Evidence from the Health and Retirement Study *Journals of Gerontology: Series A*.
- Kuckertz, Jennie, **Colter Mitchell**, and Jillian Wiggins. 2018. Parenting Mediates the Impact of Maternal Depression on Child Internalizing Symptoms *Depression and Anxiety* , 35(1), 89-97.
- Massey, Douglas Brandon Wager, Sara McLanhan, Jeanne Brooks Gunn, **Colter Mitchell**, and Daniel Notterman. 2018. "Neighborhood Disadvantage and Telomere Length: Results from the Fragile Families and Child Wellbeing Study." *RSF: The Russell Sage Foundation Journal of the Social Sciences*

- Needham, Belinda, Ishtar Govina, Margaret Hicken, Cleopatra A. Kamperveen, and **Colter Mitchell**. 2018. Maternal Social Disadvantage and Newborn Telomere Length in Archived Dried Blood Spots from the Michigan Neonatal Biobank . *Biodemography and Social Biology* 63(3), pp.221-235.
- James, Sarah, Sara McLanahan, Jeanne Brooks-Gunn, Lisa Schneper, Brandon Wagner, **Colter Mitchell**, and Daniel Notterman. 2017. Sleep Duration and Telomere Length in Children in the United States. *The Journal of Pediatrics* 187, 247-252.
- Allendorf, Keera, Arland Thornton, Dirgha Ghirmire, Linda Young DeMarco, and **Colter Mitchell**. 2017. Early Women, Late Men: Timing Attitudes and Gender Differences in Marriage *Journal of Marriage and Family* 79(5), 1478-1496.
- Stein, Murray B, Erin B. Ware, **Colter Mitchell**, Chia-Yen Chen, Susan Borja, Tianxi Chai, Catherine Dempsey, Carol Fullerton, Joel Gelernter, Steven Heeringa, Sonia Jain, Ronal Kessler James Naifeh, Mathew Nock, Stephan Ripke, Xiaoying Sun, Jean Beckman, Nathan Kimbrel, VA MIRECC, Robert Ursano and Jordan Smoller. Forthcoming. Genomewide association studies of suicide attempts in US soldiers *American Journal of Medical Genetics* epub 13 September 2017.
- Mitchell, Colter** Sara McLanahan, Jeanne Brooks-Gunn, Lisa Schneper, Irv Garfinkel, and Daniel Notterman. 2017. Father Loss and Child Telomere Length. *Pediatrics* 140:2 (epub e20163245).
- Ratanatharathorn, Andrew; Boks, Marco; Maihofer, Adam; Aiello, Allison; Amstadter, Ananda; Ashley-Koch, Allison; Baker, Dewleen; Beckham, Jean; Bromet, Evelyn; Dennis, Michelle; Garrett, Melanie; Geuze, Elbert; Guffanti, Guia; Hauser, Michael; Kilaru, Varun; Kimbrel, Nathan; Koenen, Karestan; Kuan, Pei Fen; Logue, Mark; Luft, Benjamin; Miller, Mark; **Mitchell, Colter**; Nugent, Nicole; Ressler, Kerry; Rutten, Bart; Stein, Murray; Vermetten, Eric; Vinkers, Christiaan; Youssef, Nagy; Uddin, Monica; Nievergelt, Caroline; Smith, Alicia. 2017. "Epigenome-wide Association of PTSD from Heterogeneous Cohorts with a Common Multi-Site Analysis Pipeline" *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics* 174(6): 619-630.
- Binstock, Georgina, Arland Thornton, **Colter Mitchell**, Yu Xie, Linda Young-DeMarco, and Kathryn Yount. 2016. Evaluating the Measurement Reliabilities of Developmental Idealism Measures. *Chinese Journal of Sociology*, 2(4):609-635.
- Trentacosta, Christopher J., Pamela Davis-Kean, **Colter Mitchell**, Luke Hyde, & Dana Dolinoy. 2016. Environmental Contaminants and Child Development. *Child Development Perspectives* 10(4): 228-233.
- Faul, Jessica, **Colter Mitchell**, Jennifer Smith, & Wei Zhao. 2016. "Estimating Telomere Length Heritability in an Unrelated Sample of Adults - Is Heritability of Telomere Length Modified by Lifecourse Socioeconomic Status?" *Biodemography and Social Biology* 62(1):72-86. PMC5117361.

- Murray Stein, Chia-Yen, Ursano, R, Cai, T, Gelernter, J, Heeringa, S, Jain, S, Jensen, K, Maihofer, A, **Mitchell, C**, Nievergelt, C Nock, M, Neale, B, Polimanti, R, Ripke, S, Sun, X, Thomas, M, Wang, Q, Ware, E, Borja, S, Kessler, R, Smoller, J. 2016. "Genomewide Association Studies of Posttraumatic Stress Disorder in Two Cohorts of US Army Soldiers." *JAMA Psychiatry* 79(7): 695-704 PMC4936936.
- Mitchell, Colter**, Lisa M. Schneper, and Daniel Notterman. 2016. "DNA Methylation, Early Life Environment, and Health Outcomes." *Pediatric Research* 79: 212-219 PMC4798238.
- Notterman, Daniel, and **Colter Mitchell**. 2015. "Epigenetics and Understanding the Impact of Social Determinants of Health." *Pediatric Clinics of North America* 62(5): 1227-1240 PMID: 4555996
- Mitchell, Colter**, Sara McLanahan, John Hobcraft, Jeanne Brooks-Gunn, Irwin Garfinkel, and Daniel Notterman. 2015. "Family structure instability, gene instability, and children's well-being." *American Journal of Sociology* 120(3): 1195-1225.
- Wiggins, Jillian Lee, **Colter Mitchell**, Luke W. Hyde, Christopher S. Monk. 2015. "Identifying early pathways of risk and resilience: The co-development of internalizing and externalizing symptoms and the role of harsh parenting." *Development and Psychopathology* 27(4 part 1): 1295-1312.
- Wiggins, Jillian Lee, **Colter Mitchell**, Argyris Stringaris, and Ellen Leibenluft. 2014. "Developmental Trajectories of Irritability and Bidirectional Associations with Maternal Depression" *Journal of the American Academy of Child and Adolescent Psychiatry* 53(11): 1191-1205.
- Lewandowski-Romps, Lisa, Christopher Peterson, Patricia A. Berglund, Stacey Collins, Keith Hauret, Bruce Jones, Ronald C. Kessler, **Colter Mitchell**, Nansook Park, Murry Stein, Michael Schoenbaum, Steven G. Heeringa. 2014. "Risk and Resilience Factors for Accidental Deaths in the U.S. Army: Results from the Army Study to Assess Risk and Resilience in Service Members (STARRS)" *American Journal of Preventive Medicine* 77:107-119.
- Mitchell, Colter**, John Hobcraft, Sara McLanahan, Susan R. Siegel, Arthur Berg, Jeanne Brooks-Gunn, Irwin Garfinkel, and Daniel Notterman. 2014. "Social disadvantage, genetic sensitivity, and children's telomere length." *Proceedings of the National Academy of Sciences* 111(16): 5944-5949.
- Falk, Emily B.<sup>1</sup>, Luke W. Hyde<sup>1</sup>, **Colter Mitchell**<sup>1</sup>, Jessica Faul, Richard Gonzalez, Mary Heitzeg, Daniel P. Keating, Kenneth M. Langa, Meghan E. Martz, Julie Maslowsky, Frederick J. Morrison, Douglas C. Noll, Megan E. Patrick, Fabian T. Pfeffer, Patricia A. Reuter-Lorenz, Moriah E. Thomason, Pamela Davis-Kean<sup>2</sup>, Christopher S. Monk<sup>2</sup>, and John Schulenberg<sup>2</sup>. 2013. "What is a representative brain? Neuroscience meets population science." *Proceedings of the National Academy of Sciences* 110(44):1615-22. <sup>1</sup>Joint First Authors, <sup>2</sup>Senior Authors PMID: 24151336

**Mitchell, Colter**, Sara McLanahan, Jeanne Brooks-Gunn, Irwin Garfinkel, John Hobcraft, and Daniel Notterman “Genetic Sensitivity to Social Environments: Implications for Research” 2013. *American Journal of Public Health* 103(S1): S102-S110. PMID: 23927507

Thornton, Arland, Dirgha J. Ghimire, and **Colter Mitchell**. 2012. "The Measurement and Prevalence of Developmental Thinking about the Family: Evidence from Nepal." 2012. *Population Studies: A Journal of Demography* 66(3): 329-345. PMID: 22963536

Thornton, A, G. Binstock, M. Abbasi-Shavazi, D. Ghimire, A. Gjonca, A. Melegh, **C. Mitchell**, M. Moaddel, Y. Xie, L. Yang, L. Young-DeMarco and K. Yount. 2012. “Knowledge and Beliefs about National Development and Developmental Hierarchies: the Viewpoints of Ordinary People in Thirteen Countries.” *Social Science Research* 41: 1053-1068 PMID: 23017917

Heaton, Tim B. and **Colter Mitchell**. 2012. “Changing Intergroup Boundaries in Intermarriage in Brazil: 1991-2008.” *Journal of Comparative Family Studies* 43:461-482. PMID: 24031100

**Mitchell, Colter**, Daniel Notterman, Jeanne Brooks-Gunn, Iulia Kotenko, Kate Jaeger, John Hobcraft, Irwin Garfinkel, and Sara McLanahan. 2011. “The Role of Mother’s Genes and Environment on Postpartum Depression.” *Proceedings of the National Academy of Sciences* 108(20): 8189-8193. PMID: 21576482

**Mitchell, Colter**, Xuaning Fu, Tim B. Heaton, and Cardell K. Jacobson. 2010. “Urbanization, Education and Racial Intermarriage in Brazil” *International Journal of Contemporary Sociology* 47(2): 273-294. PMID: 24052666

**Mitchell, Colter**. 2010. “Are Divorce Studies Trustworthy? The Effects of Survey Nonresponse and Response Errors” *Journal of Marriage and Family* 72(4): 893-904. PMID: 22485054

Bahr, Howard M., **Colter Mitchell**, Xiaomin Li, Alison Walker, and Kristen Sucher. 2004. “Trends in Family Time/ Space, Conflict and Solidarity: Middletown: 1924-1999.” *City and Community* 3(3): 263-291.

#### BOOK CHAPTERS, BOOK REVIEWS, AND OTHER PUBLICATIONS

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**Mitchell, Colter**. 2018. “The Genetics of Social Behavior: A Hopeless Opus?” *Handbook of Evolution, Biology, and Society*, Rosemary Hobcraft (Ed). Oxford Press.

Ware, Erin B., Lauren L. Schmitz, Jessica D. Faul, Arianna Gard, **Colter Mitchell**, Jennifer A. Smith, Wei Zhao, David Weir, & Sharon L. Kardia. 2017. Heterogeneity in polygenic scores for common human traits. *bioRxiv*.

**Mitchell, Colter** and Daniel Notterman. 2014. “Reply to Drury and Theall: No evidence of population stratification” *Proceedings of the National Academy of Sciences* 111(24):E2442. Letters, online only.

**Mitchell, Colter.** 2014. “Born Together-Reared Apart: The Landmark Minnesota Twin Study” *Contemporary Sociology: A Journal of Reviews* 43(2): 262-264.

**Mitchell, Colter.** 2011. “Biosocial Foundations of Family Processes Edited by Alan Booth, Susan M. McHale and Nancy S. Landale.” *Biodemography and Social Biology* 57:258-260.

**Mitchell, Colter,** Arland Thornton, Miles Kimball, and Linda Young-DeMarco. “Empirics on the Origins of Preferences: The Case of College Major and Religiosity.” (NBER Working Paper #15182)

Thornton, A., S. Achen, J. Barber, G. Binstock, W. Garrison, D. Ghimire, W. Guangzhou, R. Inglehart, R. Jayakody, Y. Jiang, J. de Jong, R. Lesthaeghe, S. Mehenna, **C. Mitchell,** M. Moaddel, M.B. Ofstedal, N. Schwarz, Y. Xie, L.S. Yang, L. Young-DeMarco, and K. Yount. 2010 “Process and Method for Creating Questions and Protocols for an International Study of Developmental Idealism, Developmental Thinking, and Family Life.” In *Survey Methods in Multinational, Multiregional and Multicultural Contexts*, edited by M. Braun, B. Edwards, J. Harkness, T. Johnson, L. Lyberg, P. Mohler, B.E. Pennell, and T.W. Smith. Hoboken, NJ: John Wiley and Sons. *Winner of the 2013 American Association for Public Opinion Research (AAPOR) book award.*

Axinn, William G., Amie Emens and **Colter Mitchell.** 2008. “Ideational Influences on Family Change in the United States” Pp. 119-149 in *International Family Change: Ideational Perspectives*, edited by R. Jayakody, A. Thornton, and W. Axinn. Mahwah, NJ: Lawrence Erlbaum Associates.

**Mitchell, Colter** and John P. Hoffmann. 2004. *Solution Manual to Accompany Generalized Linear Models: An Applied Approach* by John P. Hoffmann. Boston, MA: Allyn & Bacon.

#### MANUSCRIPTS UNDER REVIEW AND IN PREPARATION

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**Mitchell, Colter** and Jessica D. Faul. “Nonresponse, measurement error, and data quality for Salivary DNA collection and analysis in seven population-based studies.”

**Mitchell, Colter,** Miles Kimball, Arland Thornton, and Linda Young-DeMarco. “Reciprocal Influences of Education on Values Concerning Family, Careers, and Society.”

**Mitchell, Colter** and *Army STARRS Biomarker Working Group.* “Telomere Erosion in Response to High Stress Deployment and PTSD”

**Mitchell, Colter** and *Army STARRS Biomarker Working Group.* “Predicting Psychopathology in Response to High Stress Deployment Using DNA Methylation Profiles”

**Mitchell, Colter,** Jillian Lee Wiggins, Jeanne Brooks-Gunn and Sara McLanahan. “Family Structure, Parenting, Genes and the Co-Development of Behavioral Problems”

**Mitchell, Colter**, Notterman ,D. and McLanahan, S. Developmental and Multilevel Effects of Poverty, Material Hardship, and Economic Conditions on Methylation Profiles and Change

Woods, Adrienne, Erin Ware, Sara McLanahan, Irwin Garfinkel, Daniel Notterman, Daniel and **Mitchell, Colter**,. “Examinations of Associations between Educational Attainment PGS and Measures in a Long-running Cohort Study”

Arianna Gard, Erin Ware Daniel Notterman, Jamie Hanson, Christopher Monk, Sara McLanahan, Luke Hyde and **Colter Mitchell**. “Polygenic scores related to Brain Structure in a Population-based Minority Sample of Adolescents”

**Mitchell, Colter**, Erin B. Ware, Sammy Ahmed, Daniel Notterman “Cognitive Decline Gene regions and PGS from Older Adults Applied to Cognitive Development in Children”

**Mitchell, Colter**, Andrejea Silunas, Sara McLanahan, Jeanne Brooks-Gunn, Irwin Garfinkel, Daniel Notterman, and Lisa Schneper “Family, Neighborhood, and City Socioeconomic Conditions and Children’s Dynamic Telomere Length”

Allendorf, Keera, Arland Thornton, Linda Young-DeMarco, Dirgha Ghimire, and **Colter Mitchell**. The Influence of Developmental Idealism on Marital Attitudes, Expectations, and Timing.

Allendorf, Keera, Arland Thornton, Linda Young-DeMarco, and **Colter Mitchell**. A Good Time to Marry? An Intergenerational Model of the Influence of Timing Attitudes on Entrance into Marriage

Donnelly, Luis, and Kelsea Koss, Jeanne Brooks-Gunn, Daniel Notterman, Sara McLanahan, and **Colter Mitchell**, “Housing Eviction, DNA Methylation, and Children’s Learning and Self-Regulation”

Faul, Jessica, Lauren Gaydosh, Kathleen Harris, Erin B. Ware, Lauren Schmitz, Daniel Notterman and **Colter Mitchell** “An Examination of Within and Trans-Racial PGS and Gene-Region Associations”

Gard, Arianna Lauren Gaydosh, Kathleen M. Harris, Erin B. Ware, Jessica Faul, Arianna Gard, Daniel Notterman and **Colter Mitchell** “Gene X Environment Interaction Models of Latent Psychopathology across the Lifespan”

Gaydosh, Lauren, Sara McLanahan, Jeanne Brooks-Gunn, Irwin Garfinkel, **Colter Mitchell**, and Daniel Notterman. “Types and Timing of Instability and Children’s TL erosion”

Gaydosh, Lauren, Kathleen M. Harris, **Colter Mitchell**, Erin B. Ware, Jessica Faul, Arianna Gard, Lauren Schmitz, and Daniel Notterman “Childhood socioeconomic status and BMI across the life course”



Goetschius, Leigh, Tyler Hein, Hailey Dotterer, Robert Welsh, Nestor Lopez-Duran, **Colter Mitchell**, Luke Hyde, Chris Monk. “A multimodal examination of PFC-amygdala white matter microstructure and amygdala activation in adolescents”

Hanson, Jamie, Melissa Peckins, Luke Hyde, Christopher Monk, and **Colter Mitchell** “Understanding the structure of psychopathology by investigating adolescent neurodevelopment”

Hanson, Jamie, Melissa Peckins, Sara McLanahan, Jeanne Brooks-Gunn, Irwin Garfinkel, Luke Hyde, Christopher Monk, and **Colter Mitchell** “Connecting stress, environmental inconsistency and brain structure in the Fragile Families Cohort”

Hein, Tyler C. Leigh G. Goetschius, Vonnie C. McLoyd, **Colter Mitchell**, Nestor Lopez-Duran, Luke W. Hyde, & Christopher S. Monk “Threat and deprivation as distinct predictors of adolescent brain function and mental health”

Kircanski, Jennie, **Colter Mitchell**, and Jillian Wiggins “Genetic influences on socioemotional development in childhood and early adolescence”

Koss, Kalsea, Daniel Notterman, Jeanne Brooks-Gunn, Sara McLanahan, and **Colter Mitchell** “Telomere Length as a Marker of Accelerated Aging and Early Puberty in Girls”

Mattson, Whitney I., Tyler C. Hein, Francisco Velasquez, Scott Peltier, Nestor Lopez-Duran, **Colter Mitchell**, Luke W. Hyde, & Christopher S. Monk. “An emotional faces task that activates the amygdala and limits the effects of eye movement”

McFarland, Michael, Sara McLanahan, Jeanne Brooks-Gunn, **Colter Mitchell**, Richard Gonzalez, Irwin Garfinkel, and Daniel Notterman. “Concentrated Child Poverty and Obesity: A Genetically-Informed Approach Incorporating TMEM18” (Revise and Resubmit to *Journal of Health and Human Behavior*)

Murray, Laura, Monk, C.S., **Mitchell, C.**, Hyde, L.W. “Reward-Related Neural Correlates of Antisocial Behavior, Callous-Unemotional Traits, and Temperament in a Sample of Racially Diverse, Low-Income Adolescents

Murray, L., Monk, C.S., **Mitchell, C.**, Hyde, L.W. “Neural Mechanisms of Reward and Loss Processing in a Racially Diverse Sample of At-Risk Adolescents”

Peckins, Melissa K. Andrea G. Roberts, **Colter Mitchell**, Christopher S. Monk, Luke W. Hyde, Nestor Lopez-Duran “Socially Evaluated Cold-Pressor Task in an Ethnically Diverse Sample of At-Risk Youth”

Roberts, Andrea G. Tyler C. Hein, Melissa Peckins, **Colter Mitchell**, Christopher S. Monk, Luke W. Hyde, and Nestor Lopez-Duran “Association between Amygdala reactivity to Emotional Faces and HPA-axis reactivity to a Socially Evaluative Cold Pressor Task”

Schmitz, Lauren, Lauren Gaydosh, Kathleen M. Harris, Erin B. Ware, Jessica Faul, Arianna Gard, Daniel Notterman and **Colter Mitchell** “Smoking taxing and exposure interacts with the smoking PGS across the life course”

Wagner, Brandon, Luis Donnelly, Daniel Notterman, Sara McLanahan, Jeanne Brooks-Gunn, and **Colter Mitchell** “Methylation as a Mediator of Air Pollution’s Effect on Children’s Cognitive Development”

Wagner, Brandon, Sara McLanahan, Jeanne Brooks Gunn, Daniel Notterman, Irwin Garfinkel and **Colter Mitchell**. “Family Structure and Children’s Telomere Lengths.”

## GRANTS

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### *Current*

R01 MD011716 Epigenetic Mediation of Adverse Social Context on Stress Response, Socioemotional Development, and Health in a Population-based Study of Minority and Low SES Children and Adolescents Mitchell (PI) 07/01/17 – 06/30/22 Role: PI  
2018-2019 Administrative Supplement to examine cognitive decline related gene regions (i.e. genotype and methylation measures) associated with cognitive and non-cognitive skill development

R01 MH121079 Computational examination of RDoC threat and reward constructs in a representative, predominantly low-income, longitudinal sample at increased risk for internalizing disorders 7/19-624 Role: MPI (with Monk and Hyde)

Jacobs Foundation Research Fellowship: Examining Early-life social and economic context on adolescent brain structure, cognitive and socioemotional development and the moderating effect of Childhood Methylation

R01 HD076592 *Renewal* of Reciprocal Genetic-Environmental Interactions during Childhood and Adolescence Notterman (PI) 08/01/13-8/01/18 Role: PI-Michigan *2019-2024 renewal awarded August 2019-July 2024.*

R25 AG053227 Genomic Analysis for Social-Behavioral Scientists Faul, Kardina, Mitchell (MPI) 09/15/16 - 04/30/21 Role: Multiple PI

UG3MH11424901 Mechanisms Underlying Resilience to Neighborhood Disadvantage Burt (PI) 9/1/17-8/31/22 Role Co-Investigator

R01 MH110872-01A1 Understanding the Connections among Genes, Environment, Family Processes, and Mental Health Axinn (PI) 09/17 – 08/22 Role: Co-Investigator

R01-AG047167-01 Measurement Error in Population Health Inequity Research using Novel Biomeasures Geronimus (PI)( 5/1/14-4/30/19 Role: Co-Investigator

R56 MH110872 Understanding the Connections among Genes, Environment, Family Processes and Mental Health. Axinn (PI) 09/16 – 08/17 Role: Co-Investigator

R01 MH103761-01 Effects of poverty on affective development: A multi-level, longitudinal study. Monk (PI) 06/14-05/19 Role: Co-Investigator

*Completed*

Applying Whole Genome Data to Common Social Science Issues, Michigan Center on the Demography of Aging 9/1/14-8/31/15 Role: Principal Investigator

Population Neuroscience: A Pilot Project to Examine Poverty and Brain Imaging in Adolescence University of Michigan Population Studies Center 09/01/13-012/31/14 Role: Principal Investigator

R01 MH103761-01 (Administrative Supplement #2-Methylation) Effects of poverty on affective development: A multi-level, longitudinal study. Monk (PI) 08/15-05/19 Role: Co-Investigator

R03AG048806-01 Interplay of Genetic & Socioeconomic Predictors of Memory Decline in Older Adults. Faul and Smith (Co-PIs). 9/30/14-5/31/17 Role: Co-Investigator

1U01MH08798101 “Modifiable Risk and Protective Factors for Suicidal Behaviors in the US Army” (PI-Heeringa) 8/12-6/15 Role: Participating Investigator

Social Inequality and Telomere Length in Fragile Families University of Michigan Population Studies Center Initiatives Fund 03/01/13-3/30/14 Role: Principal Investigator

Eva L. Mueller New Directions in Economics and Demography Award “Spouse Selection in Nepal: From Love Marriage to Arranged Marriage” 9/07-6/08 Role: Principal Investigator

John Templeton Foundation “Research on the Effect of a College Major on Religiosity” 7/04-6/06 Role: Co-Principal Investigator (with Miles Kimball and Arland Thornton).

**HONORS & AWARDS**

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2017-2020 Jacobs Foundation Early Career Scholar

2016-2017 Chair of the ASA Section on Evolution, Biology, and Society

2009 Best Graduate Student Paper Award-University of Michigan Sociology Department

Partnerships for International Research and Education (PIRE) Predoctoral Fellowship 2008-2009

Rackham Predoctoral Fellowship 2007-2008

Marshall Weinberg Summer Research Fellowship 2007

NICHD Pre-doctoral Traineeship 2003-2004, 2004-2005, 2006-2007

High Pass on Social Demography Preliminary Exam 2005

Merlin and Edna Sant Scholarship 2002-2003

## PROFESSIONAL INTERESTS

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Social and Family Demography, Biosocial Interactions, Child Development, Aging and the Life Course

Population Health, Quantitative Methods, Mental Health, Survey and Biological Data Collection Methods

## PROFESSIONAL ACTIVITIES

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### *Service:*

Permanent Member, Eunice Kennedy Shriver National Institute of Child Health and Human Development Initial Review Group, Pediatrics Subcommittee (CHHD-A), 2015-2018

Ad Hoc Member, Eunice Kennedy Shriver National Institute of Child Health and Human Development Initial Review Group, Population Subcommittee (CHHD-W), 2018

Chair (elect, chair, ex), ASA Section on Evolution, Biology, and Society 2015-2018

Biology and Social Science Working Group, Russell Sage Foundation 2014-Present

Dorothy Thomas Award Committee 2015, 2017

Council Member, ASA Section on Evolution, Biology, and Society 2012-2015

Committee member, Population Studies Center Student Advisory Committee, University of Michigan 2004-05

Sociology representative, Rackham Graduate Student Forum, University of Michigan 2004-05

President of Brigham Young University Chapter of Alpha Kappa Delta 2001-03

Sociology Representative on the Family Home and Social Science Student Council, Brigham Young University 2001-03

### *Editorial:*

Editorial Assistant for *Sociological Methodology* 2008- 2009

Occasional Reviewer for *Proceedings of the National Academy of Sciences*, *American Sociological Review*, *American Journal of Public Health*, *American Journal of Sociology*, *Biological Psychiatry*, *Social Forces*, *Sociological Methodology*, *Journal of Marriage and Family*, *Social Science Research*, *Journal for the Scientific Study of Religion*, *Field Methods*, and *The Journal of Clinical Psychiatry*.

### *Member:*

American Sociological Association, Population Association of America, European Association of Population Studies, Asian Population Association, Eastern Sociological Society, National Council on Family Relations, American Society of Human Genetics, International Biometric Society, Endocrine Society

### *Conference:*

Organizer of the SRCD Secondary Data Analyses and Resources for Development Scientists Conference in Phoenix, AZ Oct.3-6  
Session Organizer on Population Processes Annual Meeting of the 2017 American Sociological Association, Montreal, Canada  
Session Organizer for 2 sessions on Genetics in Population Research 2017 Annual meeting of the Population Association of America Chicago, IL  
Session Organizer on Biosocial Perspectives on Child and Adolescent Development, 2014 Annual Meetings of the Population Association of America, Boston, MA  
Regular Session Organizer on Biosociology/Biosocial Interaction at the 2012 American Sociological Annual Meeting in Denver, CO  
Session Chair on Genetic Influences and Demographic Behaviors at the 2009 Annual Meetings of the Population Association of America, Detroit, MI.  
Session Chair on Religion, Contraception, and Fertility at the 2008 Annual Meetings of the Population Association of America, New Orleans, LA.

### TEACHING POSITIONS

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NIA Workshop on Genomics for Social Scientists, University of Michigan June.12-16, 2017 Ann Arbor MI, Co-Director and Instructor  
NIMHD Summer Workshop on Health Disparity Research, August 15, 2017, Bethesda Maryland, Instructor for Biological Consequences of Inequality  
NIA Workshop on Genomics for Social Scientists, University of Michigan June.12-16, 2017 Ann Arbor MI, Co-Director and Instructor  
Graduate Student Instructor for Quantitative Methods I (Soc 542), Department of Sociology, University of Michigan, Yu Xie as instructor, Fall 2005  
Instructor for Applied Social Statistics (Soc 306) Department of Sociology, Brigham Young University, Spring 2003  
Teaching Assistant for John P. Hoffmann; Multiple Regression Analysis (Soc 605), Generalized Linear Models (Soc 606), and Applied Social Statistics (Soc 306) Department of Sociology, Brigham Young University, 2001 to 2003.

### RESEARCH POSITIONS

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Fragile Families and Child Wellbeing Data Collection Manager, Bendheim-Thoman Center for Research on Child Wellbeing, Princeton University, May 2010-Oct.2010  
Graduate Student Research Assistant to Arland Thornton, University of Michigan, for Determinants of Marriage and Childbearing Attitudes, Winter 2006-Summer 2006

### SELECTED PRESENTATIONS

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Gard, A.M, Hein, T.C., Mitchell, C.M., Brooks-Gunn, J., McLanahan, S.S., Monk, C.S., & Hyde L.W. (under review). Prospective longitudinal effects of harsh parenting on corticolimbic function during adolescence. In Gard, A.M. (chair): Environmental stress and youth biological development: An examination of developmental timing. Symposium submitted to

- the 2019 annual meeting of the International Society for Developmental Psychobiology, Chicago, IL, USA, October, 2019
- Gard, A. M., Hein, T. C., Mitchell, C. M., Lopez-Duran, N. L., Brooks-Gunn, J., McLanahan, S., Monk, C. S., Hyde, L. W. (under review). Prospective effects of harsh parenting across childhood on corticolimbic function during adolescence . In Gard, A.M. (chair): *Early Life Adversity Effects on Corticolimbic Function: The Role of Timing, Controllability, and Pubertal Development*. Symposium submitted to the 2019 Biannual Meeting of the Society for Research in Child Development (SRCD), Baltimore, MD, USA.
- Woods, A. D., Gard, A. M., Notterman, D., & Mitchell, C. Using polygenic scores for educational attainment to probe genetic effects on schooling through adolescence .2019 Biannual Meeting of the Society for Research in Child Development (SRCD), Baltimore, MD, USA.
- Gaydos, L., Mullan-Harris, K., Mitchell, C., Schmitz, L., Ware, E. B., Faul, J., McLanahan, S., & Notterman, D. (under review). Polygenic penetrance on life course BMI across cohorts . 2019 Biannual Meeting of the Society for Research in Child Development (SRCD), Baltimore, MD, USA.
- Mitchell, C. *Genetic Effects on Health and Education Across the Life Course*. Symposium submitted to the 2019 Biannual Meeting of the Society for Research in Child Development (SRCD), Baltimore, MD, USA.
- Gard, A. M., Ware, E. B., Hyde, L. W. , Schmitz, L., Faul, J., Notterman, D., & Mitchell, C. Assessing the phenotypic and genetic structure of psychopathology across the life course. 2019 Biannual Meeting of the Society for Research in Child Development (SRCD), Baltimore, MD, USA.
- Woods, A. D., Gard, A., Ware, E. B., Mitchell, C., & Notterman, D. (2019). Using polygenic scores for educational attainment to probe genetic effects on schooling outcomes among fragile families. Paper presentation at the Population Association of America annual meeting, Austin, TX.
- Ben Jacobson, Louis Donnelly, Lisa Schnepfer, Colter Mitchell & Daniel Notterman  
"Investigating a Link between Child DNA Methylation and Exposure to Fracking" Fragile Families Working Group Meeting Nov. 29, 2018
- Colter Mitchell Biological Mediators and Moderators of Social Disadvantage Demography Seminar, University of Wisconsin Center for the Demography of Health and Aging.
- Colter Mitchell Application of Late Life Cognition Gene Region, Polygenic, and Epigenetic Scores to Early Life Cognitive Development. Integrating Genes and Social Sciences. Boulder, CO Oct. 11-12, 2018.
- Lauren Gaydos, Colter Mitchell, Lisa Schnepfer, Daniel Notterman & Sara McLanahan  
"Adolescent Striving and Methylation Aging" Integrating Genes and Social Sciences. Boulder, CO Oct. 11-12, 2018.
- Ware, Erin B., Jessica Faul, and Colter Mitchell. 2018. Investigating array effects in polygenic score creation for use in the social sciences. Integrating Genes and Social Sciences. Boulder, CO Oct. 11-12, 2018.
- Colter Mitchell Biological Mediators and Moderators of Social Disadvantage Demography Seminar, University of Texas-Austin February 2019.
- Colter Mitchell Biological Mediators and Moderators of Social Disadvantage University of North Carolina Chapel Hill

Colter Mitchell Biological Mediators and Moderators of Social Disadvantage Jacobs Foundation Annual Meeting

Jessica Faul and Colter Mitchell Integrating Biology into the Social Sciences, Getting to Know ISR Series

Colter Mitchell Biological Mediators and Moderators of Social Disadvantage Demography Seminar, University of Wisconsin Center for the Demography of Health and Aging.

Colter Mitchell Application of Late Life Cognition Gene Region, Polygenic, and Epigenetic Scores to Early Life Cognitive Development. Integrating Genes and Social Sciences. Boulder, CO Oct. 11-12, 2018.

Lauren Gaydos, Colter Mitchell, Lisa Schneper, Daniel Notterman & Sara McLanahan “Adolescent Striving and Methylation Aging” Integrating Genes and Social Sciences. Boulder, CO Oct. 11-12, 2018.

Ware, Erin B., Jessica Faul, and Colter Mitchell. 2018. Investigating array effects in polygenic score creation for use in the social sciences. Integrating Genes and Social Sciences. Boulder, CO Oct. 11-12, 2018.

Mitchell, Colter “Link from Poverty to Internalizing Symptoms Through Brain Development” Fall Research Workshop: Poverty and Brain Development in Children.” Madison, WI Sept. 27

Faul JD, Mitchell C, Schneper LM, Notterman DA. The Effects of Collection Procedures on Telomere Length Measurement in Population-based Surveys of Aging. MiCDA Pilot Project Symposium. May 7, 2018.

Rebecca Ann Johnson, Lisa Schneper, Kalsea Koss, Brandon Wagner, Colter Mitchell, Jeanne Brooks-Gunn, Sara McLanahan and Daniel A. Notterman. Genetic Main Effects Versus Genetic Moderators: Gene-Environment Interactions in Child Problem Behaviors Population Association of America April 2018, Denver, CO.

Colter Mitchell. Collecting a Population-Based Brain Imaging Study of Adolescents Population Association of America April 2018, Denver, CO.

Faul JD, Mitchell C, Schneper LM, Notterman DA. The Effects of Collection Procedures on Telomere Length Measurement in Population-based Surveys of Aging. Population Association of America – Biomarker Network meeting. April 25, 2018.

Mitchell CM. (in collaboration with Ware EB, Schneper L, Notterman, D. Application of Late Life Cognition Genes to Early Life Cognitive Development, Population Association of America Biomarker Network meeting, April 25, 2018. Denver, CO. Oral presentation.

Mitchell, Colter “Genes, Methylation, Brain Development and Education in a population-based sample.” Jacobs Fellows meeting Marbach Castle, Germany. April 17-20.

Gard AM, Schmitz LL, Ware EB, Faul JD, & Mitchell CM. Gene x environmental interaction models of latent psychopathology across the lifespan. Integrating Genetics and Social Sciences Conference, Boulder, CO, October 19-21, 2017

Gaydos L, Mullan-Harris K, Mitchell C, Schmitz LL, Ware EB, Faul JD. Childhood socioeconomic status and BMI across the lifecourse. Integrating Genetics and Social Sciences Conference, Boulder, CO, October 19-21, 2017.

Mitchell, Colter. Epigenetic and Early Life Correlates of Telomere Length. NIEHS Workshop on Telomere Length. Raleigh, NC Sept. 6-7, 2017

Kuckertz, J. M., Mitchell, C., & Wiggins, J. L. (2017, November). Parenting stress bi-directionally mediates the relationship between child and maternal internalizing

- psychopathology. 2017 Annual Conference of the *Association for Behavioral and Cognitive Therapies*, San Diego, CA.
- Roberts, Andrea G. Tyler C. Hein, Colter Mitchell, Christopher S. Monk, Luke W. Hyde, & Nestor L. Lopez-Duran 2017 Association Between Amygdala Responses to Emotional Faces and Cortisol Responses to a Socially Evaluative Cold Pressor Task Annual Meeting of the Association for Psychological Science Boston, MA.
- Hein Tyler C., Whitney I. Mattson, Leigh G. Goetschius, Nestor L. Lopez-Duran, Luke W. Hyde, Colter Mitchell & Christopher S. Monk Altered Amygdala Habituation And Amygdala-Prefrontal Functional Connectivity Following Child Abuse In A Diverse Adolescent Sample Wisconsin Symposium on Emotion
- Ware EB, Schmitz LL, Faul JD, Gard AM, Mitchell CM, Smith JA, Zhao W. Heterogeneity in polygenic scores for common human traits in a Population-based cohort. Lisbon, Portugal, July 17-21, 2017. European Survey Research Association
- Smith JA, Hillman TJ, Kho M, Zhao W, Mitchell CM, Faul JD. Genetic Burden Scores and Early Life Socioeconomic Status Jointly Influence Memory Performance and Decline in Older Americans. Seattle, WA, June 20-23, 2017. Society for Epidemiological Research
- Ware EB, Schmitz LL, Faul JD, Gard AM, Mitchell CM, Smith JA, Zhao W. Implications of polygenic scores' estimation methods on gene-by-environment interaction analyses. Seattle, WA, June 20-23, 2017. Society for Epidemiological Research.
- Ware EB, Schmitz LL, Faul JD, Gard AM, Mitchell CM, Smith JA, Zhao W. Methods of measurement: Implications of polygenic scores' estimation methods on gene-by-environment interaction analyses. Chicago, IL, April 26-28, 2017. Population Association of America – Biomarker Network meeting.
- Mitchell, C. Starting off on the wrong (or right) foot: How poverty, genes, and methylation influence cognition in two studies *Integrating Genetics and Social Sciences* Conference. Boulder, CO, October 21-22, 2016.
- Smith JA, Faul JD, Zhao W, Kho M, Hillman TJ, Ware EB, Mitchell C. Gene-based association and gene-by-education interaction on episodic memory in the Health and Retirement Study. *Integrating Genetics and Social Sciences* Conference. Boulder, CO, October 21-22, 2016.
- Ware EB, Schmitz LL, Faul JD, Smith JA, Mitchell CM, Weir DR, Kardina SLR. Establishing best practices: generating polygenic scores in a population-representative cohort. *Integrating Genetics in the Social Sciences*, Denver, CO. October 21-23, 2016.
- Goetschius, Leigh G., Tyler C. Hein, Whitney I. Mattson, Robert C. Welsh, Hailey L. Dotterer, Moriah E. Thomason, Nestor L. Lopez-Duran, Colter Mitchell, Luke W. Hyde, Christopher S. Monk A Multimodal Metric of Amygdala-Prefrontal Cortex Development in Adolescence Wisconsin Symposium on Emotion
- Hein, T.C., Mattson, W.I., Dotterer, H.L., Mitchell, C., Thomason, M.E., Peltier, S.J., Welsh, R.C., Hyde, L.W., & Monk, C.S. (2017). *Amygdala Habituation, Uncinate Fasciculus*



*Integrity, and Task-Based Functional Connectivity in a Large, Diverse Adolescent Sample.* Poster to be presented at the Society for Research in Child Development Biennial Meeting, Austin, Texas, USA.

Mattson, Whitney I. Tyler C. Hein, Luke W. Hyde, Colter Mitchell, Christopher S. Monk  
Concurrent eye tracking during an fMRI face-processing task interacts with emotional facial expression type to predict amygdala activation Society for Research in Child Development Biennial Meeting, Austin, Texas, USA.

Environmental Stress, HPA Axis Reactivity, and Child Outcomes: Moving Biomarkers from Lab to Field Rebecca Johnson, Lisa Schneper, Kalsea Koss, Brandon Wagner, Colter Mitchell, Derek Agular, Barbara Engelhardt, Christopher Monk, Luke Hyde, Nestor Lopez-Duran, Daniel Notterman, Sara McLanahan

Methods of Measurement: Implications of Polygenic Scores' Estimation Methods Erin Ware, Lauren Schmitz, Jessica Faul, Arianna Gard, Colter Mitchell, Jennifer Smith, Wei Zhao

Copy Number Variation as a Source of Genetic Heterogeneity in the Fragile Families and Child Wellbeing Study Kalsea Koss, Lisa Schneper, Colter Mitchell, Jeanne Brooks-Gunn, Sara McLanahan, and Daniel Notterman

Gene-Level Aggregate Methods to Evaluate Genetic Associations and Gene-by-Environment Interactions in Cross-Sectional and Longitudinal Data Jennifer A. Smith, Wei Zhao, Minjung Kho, Colter Mitchell, Jessica D. Faul

Colter Mitchell, Jessica Faul, Erin Ware, Jennifer Smith, Daniel Notterman Constructing and Analyzing Genetic Rare Variant Burden Scores in Population-Based Studies

Does Telomere Length Indicate Biological, Physical & Cognitive Health Among White, Black & Hispanic Older Adults? Lauren Brown, University of Southern California; Colter Mitchell, University of Michigan; Jennifer A. Ailshire, University of Southern California Annual Meeting of the Population Association of America.

Mitchell Colter A Didactic Session: Incorporating Genetic Information into Sociological Research. 2016. Annual Meeting of the American Sociological Association.

Douglas Massey, Brandon Wager, Sara McLanhan, Jeanne Brooks Gunn, Colter Mitchell, and Daniel Notterman. Neighborhood Disadvantage and Telomere Length: Results from the Fragile Families and Child Wellbeing Study. Annual Meeting of the Population of America, Washington D.C. March 30-April2, 2016.

Ratanatharathorn, Andrew; Boks, Marco; Maihofer, Adam; Aiello, Allison; Amstadter, Ananda; Ashley-Koch, Allison; Baker, Dewleen; Beckham, Jean; Bromet, Evelyn; Dennis, Michelle; Garrett, Melanie; Geuze, Elbert; Guffanti, Guia; Hauser, Michael; Kilaru, Varun; Kimbrel, Nathan; Koenen, Karestan; Kuan, Pei Fen; Logue, Mark; Luft, Benjamin; Miller, Mark; Mitchell, Colter; Nugent, Nicole; Ressler, Kerry; Rutten, Bart; Stein, Murray; Vermetten, Eric; Vinkers, Christiaan; Youssef, Nagy; Uddin, Monica; Nievergelt, Caroline; Smith, Alicia.

"Epigenome-wide Association of PTSD" Biological Psychiatry

Stein, M.B., Chen, C.Y., Ursano, R.J., Cai, T., Gelernter, J., Heeringa, S.G., Jain, S., Jensen, K.P., Maihofer, A.X., Mitchell, C. ...Smoller, J., 2016. Genome-wide association studies of posttraumatic stress disorder in 2 cohorts of US Army soldiers. *Biological Psychiatry*

James, Sarah, Sara McLanhan, Jeanne Brooks Gunn, Colter Mitchell, Daniel Notterman, and Irwin Garfinkel. Sleep Duration, Behavior Problems, and Children Telomere Length. Annual Meeting of the Population of America, Washington D.C. March 30-April2, 2016.

- Douglas Massey, Brandon Wager, Sara McLanhan, Jeanne Brooks Gunn, Colter Mitchell, and Daniel Notterman. Neighborhood Disadvantage and Telomere Length: Results from the Fragile Families and Child Wellbeing Study. Annual Meeting of the Population of America, Washington D.C. March 30-April2, 2016.
- Brandon Wagner, Sara McLanhan, Jeanne Brooks Gunn, Daniel Notterman, Irwin Garfinkel and Colter Mitchell. Family Structure and Children's Telomere Lengths.” Annual Meeting of the Population of America, Washington D.C. March 30-April2, 2016.
- Silunius, Andreja, Colter Mitchell, Sara McLanahan, Irwin Garfinkel, and Daniel Notterman. “Socioeconomic Status and Telomere Length: Individual, Family, Neighborhood and City Effects.” Annual Meeting of the Population of America, Washington D.C. March 30-April2, 2016.
- Mitchell, Colter. 2016. Neuroimaging in Population-Based Studies: the experience of the Fragile Families and Child Wellbeing Study. Annual Meeting of the Population of America, Washington D.C. March 30-April2, 2016.
- Mitchell, Colter, Jessica Faul, and Jennifer Smith. Investigating Social and Genetic Influences of Cognitive Decline: Insights from Using Population-based Longitudinal Data. Society for Longitudinal and Lifecourse Studies conference, Dublin, Ireland October 18-21, 2016.
- Mitchell, Colter. Statistical Design and Methods for Integrating Biomarker and Genetic Data into the Army STARRS Epidemiological Study of Suicidality. Joint Statistical Meetings 2015, Seattle Washington August 8-13.
- Mitchell, Colter, Steven Heeringa, Roderick Little. 2015. What is a representative genome? The challenges and benefits of applying complex survey weights to genome-wide data. European Survey Research Association, Reykjavik, Iceland, July 14-17.
- Mitchell, Colter and Jessica Faul. 2015. Individual, Family, Interviewer and Survey Effects of Nonresponse and Bio-Specimen Quality in Five Representative US Studies. European Survey Research Association, Reykjavik, Iceland, July 14-17.
- Brooks-Gunn, Jeanne, Colter Mitchell, Daniel Notterman, Frances Champagne. 2015. How to Make a Life Course Birth Cohort Study Relevant for Biologists, Psychologists, Sociologists and Economists: The Case of the Fragile Families Study. 2015 meeting of the Association for Psychological Science, New York City, NY.
- Mitchell, Colter, Sara McLanahan, and Daniel Notterman. 2015. Biological Aging Due to Biological Father Loss: Comparing the Effect of Father Incarceration, Union Dissolution, and Death on Child and Mother Telomere Length. Annual Meeting of the Population Association of American, San Diego, CA April 30-May 2.
- Mitchell, Colter. 2015. Measuring Biological Age: Telomere Length and DNA Methylation Age in Two Longitudinal Studies San Diego, CA, April 29, NIA Biomarker Network Meeting.
- Mitchell, Colter, Lisa Schnepf, Sara McLanahan, and Daniel Notterman. “Developmental Stress and Children’s Telomere Length” PPTOX, Boston, MA Oct. 26-29.
- Faul, Jessica D., Colter Mitchell, Jennifer Smith, & Wei Zhao. 2014. Is Heritability of Telomere Length Modified by Lifecourse Socioeconomic Status? Integrating Genetics and the Social Sciences, Boulder CO, Oct. 9.
- Mitchell, Colter. 2014. The Association of Telomere Length and Deployment with Telomere Erosion. Integrating Genetics and the Social Sciences, Boulder CO, Oct. 9.
- Mitchell, Colter. 2014. “The Interplay of Social Disadvantage, Children’s Genetic Make-up, and Children’s Wellbeing” Minding the Gap: Research at the Intersection of the Life and Social Sciences, University of Colorado-Denver, Denver, CO Sept. 26.

- Mitchell, Colter. 2014. "Fragile Families and Child Wellbeing: Examining the Interplay of Genes and the Social Environment in a Developmental Context" Center for Human Growth and Development, University of Michigan, Ann Arbor, MI Sept. 23.
- Mitchell, Colter. 2014. "Collecting Biomarkers in Population Studies" Data Collection Methods-Survey Research Center Summer Institute, Ann Arbor, MI July 16.
- Mitchell, Colter. 2014. "Demographic, Statistical, and Reproducibility Issues Around Gene-Environment Interaction Replication" NIH Workshop on Challenges in Replication of GxE Research, Bethesda, MD May 22.
- Mitchell, Colter. 2014. "Scientific Heterogamy: Population Studies and the Black Box of the Brain" Relevance of Population Neuroscience for Understanding Human Development, SRCD Special Meeting, Ann Arbor, MI, May 16-17.
- Mitchell, Colter. 2014. "Social disadvantage, genetic sensitivity, and children's telomere length." Center for Social Epidemiology and Population Health" Ann Arbor, MI, May 14.
- Mitchell, Colter, Jillian Wiggins, Jeanne Brooks-Gunn and Sara McLanahan. 2014 "Family Structure, Parenting, Genes and the Co-Development of Behavioral Problems" Presented at the Annual Meetings of the Population Association of America, Boston, MA, May 1.
- Mitchell, Colter. 2014. "DNA Methylation in Population Research" NIA Biomarker Network Meeting. Boston, MA, April 30.
- Mitchell, Colter. 2014. "Biosocial Research: Early Findings, Current Work, and Future Directions" Brigham Young University. April 21.
- Mitchell, Colter. 2014. "Fragile Families and Child Wellbeing: Examining the Interplay of Genes and the Social Environment" Developmental Psychology Brownbag Seminar, Ann Arbor, MI March 24.
- Mitchell, Colter, John Hobcraft, Sara McLanahan, Jeanne Brooks-Gunn, Irwin Garfinkel, and Daniel Notterman 2013 "Social Weathering of Genes: Demographic and Social Correlates of Telomere Length of Mothers and Children" Presented at the Fragile Families Working Group –November 2013, Princeton NJ.
- Mitchell, Colter, John Hobcraft, Sara McLanahan, Susan Rutherford Seigel, Jeanne Brooks-Gunn, Irwin Garfinkel, and Daniel Notterman "Social Weathering of Genes: Demographic and Social Correlates of Telomere Length of Mothers and Children" Integrating Genetics and the Social Sciences-2013, Boulder, CO Oct 11-13, 2013.
- Mitchell, Colter, Sara McLanahan, Jeanne Brooks-Gunn, Daniel Notterman, John Hobcraft and Irwin Garfinkel Externalizing Behavior from Age 3 to Age 9: Paternal Exits and Entrances Moderated by Genetic Sensitivity 2013 SRCD Biennial Meeting Seattle Washington
- Mitchell, Colter, John Hobcraft, Sara McLanahan, Jeanne Brooks-Gunn, Irwin Garfinkel, and Daniel Notterman 2013 "Social Weathering of Genes: Demographic and Social Correlates of Telomere Length of Mothers and Children" Presented at the Annual Meetings of the Population Association of America, New Orleans, LA.
- Mitchell, Colter, Sara McLanahan, Jeanne Brooks-Gunn, Irwin Garfinkel, and Daniel Notterman. 2012. "The Influence and Interplay of Family Instability and Genes on Children's Prosocial Behavior" Presented at the Annual Meetings of the Population Association of America, San Francisco, CA.
- Mitchell, Colter. 2012. "Biological Sensitivity to the Social Environment: Integrating Genetic Research into Sociology" Presented at the Annual Meeting of the Eastern Sociological Society, New York, NY, Session 202 Sociology at the Intersections: Our dialogs with those beyond our intellectual borders.

Panelist “The Future of Genetic Data in the Social Sciences” Presented at the Annual Meetings of the American Sociological Association, Las Vegas, NV, Session: Evolution, Biology, and Society Invited Session.

Mitchell, Colter. 2011. “Whose Will Dominates? Individual, Family and Community Influences on Participation in Spouse Selection” Presented at the Annual Meetings of the American Sociological Association, Las Vegas, NV, Session: Family and Kinship.

Thornton, A, G. Binstock, M. Abbasi-Shavazi, D. Ghimire, A. Gjonca, A. Melegh, C. Mitchell, M. Moaddel, Y. Xie, L. Yang, L. Young-DeMarco and K. Yount. 2011. “Knowledge and Beliefs about National Development and Developmental Hierarchies: the Viewpoints of Ordinary People in Thirteen Countries” Presented at the Annual Meetings of the American Sociological Association, Las Vegas, NV, Session: Global and Transnational Sociology.

Mitchell, Colter. 2011. “Gene-Environment Interplay in the Fragile Families Data” Columbia University New York, NY May 20, 2011.

Mitchell, Colter, Sara McLanahan, Jeanne Brooks-Gunn, Daniel Notterman, John Hobcraft and Irwin Garfinkel. 2011. “Mother’s Relationship Transitions, Child’s Genes and Children’s Socioemotional Health” Presented at the Annual Meetings of the Population Association of America, Washington, DC, Session 004: Family Instability: Causes and Consequences I *and* presented at Integrating Genetics and the Social Sciences-2011, Boulder, CO May 31-June 1, 2010.

Mitchell, Colter, John Hobcraft, Arthur Berg, Willard Freeman Jeanne Brooks-Gunn, Irwin Garfinkel, Sara McLanahan, and Daniel Notterman “Genome-wide Epigenetic Signatures of Family Environment in 9 Year Old Children” Presented at Integrating Genetics and the Social Sciences-2011, Boulder, CO May 31-June 1, 2011.

Mitchell, Colter. 2010. “Gene-Environment Interplay: Genetic and Epigenetic Markers” Biomarker Mini-conference, Cornell Population Program, Ithaca, NY October 7, 2010.

Heaton, Tim B. and Colter Mitchell. 2010. “Changing Intergroup Boundaries in Intermarriage in Brazil: 1991-2000” Presented at the Annual Meetings of the Population Association of America, Dallas, TX, Session 264: Assortative Mating.

Mitchell, Colter, Daniel Notterman, Jeanne Brooks-Gunn, Iulia Kotenko, Kate Jaeger, John Hobcraft, Irwin Garfinkel, and Sara McLanahan. 2010. “The Role of Mother’s Genes and Environment on Postpartum Depression.” Presented at the Annual Meetings of the Population Association of America, Dallas, TX, Session 1202: Genetics and Demographic Behavior *and* presented at Integrating Genetics and the Social Sciences-2010, Boulder, CO June 2-3, 2010.