

Thalida “Em” Arpawong, PhD, MPH

Assistant Professor (Research)
Davis School of Gerontology
University of Southern California
3715 McClintock Avenue
Los Angeles, CA 90089

(she/her/hers)
Birthplace: USA
c: 951.640.9763
e: arpawong@usc.edu
or em.arpawong@gmail.com

EDUCATION

- Post-doc Department of Psychology, University of Southern California (USC), Los Angeles, CA
Statistical Genetics and Aging, 2013-2017
- Ph.D. Department of Preventive Medicine, USC, Los Angeles, CA
Preventive Medicine/Health Behavior Research, 2007-2013
- M.P.H. Department of Preventive Medicine, USC, Los Angeles, CA
Health Promotion and Disease Prevention, 1998-2001
- Pre-doc National Cancer Institute, NIH, Bethesda, MD
Cellular and Molecular Biology, 1997-1998
- B.A. Oberlin College, Oberlin, OH
B.A., Biology, 1993-1997

RESEARCH

Areas of Interest

- Social and genomic interactions underlying emotional and cognitive health
- Aging and lifecourse health
- Health disparities among socially disadvantaged groups

The overall goal of my work is to identify mechanisms leading to older age health and resilience to burden. Burden can be defined as socioeconomic adversity, gender- or race-related adversity, genetic liability, or behavioral risk factors including neurodiversity. Specifically, I am interested in examining longitudinal cognitive and emotional trajectories, how genetic and environmental variation, epigenetic changes, and other indicators of burden from early to late life combine to influence those aging-related trajectories. I combine statistical genetic, bioinformatic, and behavioral genetic approaches in my work.

HONORS AND AWARDS

- 2021 Hanson-Thorell Family Research Award, Leonard Davis School of Gerontology, USC
- 2020 Faculty Research Award, Leonard Davis School of Gerontology, USC
- 2016 Scholarship to attend the National Institute on Aging-funded workshop, *Opportunities for Advancing Behavioral and Social Research on Aging* (by invitation only), Chicago, IL
- 2015 Postdoctoral Scholar Training & Travel Award, USC Office of Postdoctoral Affairs and the USC Postdoctoral Association, University of Southern California
- 2014 Abstract rated as top 5% by the Brain Interest Group and featured in *Scientific Program Highlights*, Gerontological Society of America Conference

- 2014-2017 Ruth L. Kirschstein Postdoctoral National Research Service Award (NRSA), National Institute on Aging, NIH
- 2014 Scholarship to attend the Butler-Williams 5-day summer program (by invitation only), National Institute on Aging, NIH, Bethesda, MD
- 2013 RAND Summer Institute Scholarship to attend the 4-day *Demography, Economics & Epidemiology of Aging* workshop (by invitation only), Santa Monica, CA
- 2013 International Positive Psychology Association Third World Congress Scholarship
- 2011-2013 Tobacco-Related Disease Research Program (TRDRP) Dissertation Award
- 2012 Western Users of SAS Software (WUSS) Academic Scholarship
- 2012 Minority Travel Scholarship, Society for Prevention Research
- 2011 Early Career Preventionists Network Travel Award, Society for Prevention Research
- 1997-1998 National Cancer Institute Pre-doctoral Intramural Research Training Award Fellowship
- 1995 National Science Foundation Summer Undergraduate Research Fellowship, UCI

ADVANCED TRAINING

USC-UCLA Center on Biodemography and Population Health Gene Expression Workshop. Sept 12, 2022. UCLA, Los Angeles, CA.

Genetics for Social Scientists: Epigenetics. Jan 11-14, 2021. University of Michigan. Virtual Workshop.

Multilevel Modeling for Categorical Outcomes. Jun 16-19, 2020. Statistical Horizons. Virtual Workshop.

Epigenetics Boot Camp. Jun 21-22, 2018. Columbia University, NY.

Structural Equation Modeling Foundations. Mar 26-28, 2018. StatsCamp, UCLA, Los Angeles, CA.

Bioinformatics Day Workshop, focused on using tools and resources to conduct functional annotation, literature and data mining, and pathway analyses. June 28, 2017. USC, Los Angeles, CA.

Advanced Psychometrics Methods in Cognitive Aging Research Workshop, focused on examining the genetics of cognitive aging and Alzheimer's disease among diverse populations. Sept 5-10, 2017; by invitation only. University of Washington Friday Harbor Laboratory, WA.

Advanced Psychometrics Methods in Cognitive Aging Research Workshop, focused on machine learning and the use of functional outcomes, such as MRI. Sept 13-18, 2015; by invitation only. University of Washington Friday Harbor Laboratory, WA.

International Workshop on Statistical Genetic Methods for Human Complex Traits: The Advanced Course. Mar 2-6, 2015. Institute for Behavior Genetics, University of Colorado, Boulder, CO.

Statistical Genetics Workshop. Jul 7-11, 2014. University of California, Los Angeles, CA.

Genome-Wide Analysis Workshop. Oct 10-12, 2013. Integrating Genetics and the Social Science (IGSS). Institute for Behavioral Science, University of Colorado at Boulder, CO.

Advanced Training Institute on Structural Equation Modeling in Longitudinal Research. May 28-June 1, 2013. American Psychological Association Advanced Training Institute, University of California, Davis, CA.

RESEARCH GRANTS

Current and Recent Support

NIA R01-AG068405

Pinchas Cohen & Eileen Crimmins (PI) 08/01/20 - 07/31/25

Title: *Ethnic-Specific Effects of Mitochondrial DNA Variants and Environmental Factors that Contribute to Cognitive Functioning and Dementia*

Curriculum Vitae: T. E. Arpawong

Role: Co-Investigator

NIA P30-AG068345 Verdin, Cohen, Lithgow, Curran (PIs) 07/01/20 - 09/30/25

Title: *USC-Buck Institute Nathan Shock Center*

Role: Co-Investigator; Co-Lead Genomic Translation Core

NCI R01 CA261888-03S1 K. Miller, J. Milam, P. Cohen (PIs) 09/01/23 – 08/31/24

Title: *Indicators of Accelerated Aging among Asian American Childhood Cancer Survivors*

Role: Co-Investigator

NIDA R01-DA055839 Jimi Huh (PI) 04/15/23 - 01/31/28

Title: *The role of momentary acute perceived discrimination and cultural resilience in poly-substance use among adults from communities of color*

Role: Co-Investigator

NIA R01-AG068937 Eileen Crimmins (PI) 09/01/20 - 04/30/25

Title: *Social Circumstances and Epigenomics Promoting Health in Three Countries*

Role: Bioinformatician

NIA R01-AG056163 Carol A. Prescott (PI) 05/01/17 - 04/31/23

Title: *Risk for Alzheimer's Disease and Cognitive Decline in Project TALENT*

Role: Co-Investigator

NIA R01-AG060470 Margaret Gatz & Nancy Pedersen (PIs) 09/01/18 - 03/31/24 NCE

Title: *Clarify risk and protective factors for dementia with the Interplay of Genes and Environment in Multiple Studies (IGEMS) consortium*

Role: Co-Investigator

NIA R37 AG-007137-27 John J. McArdle, Carol A. Prescott (PIs) 05/01/11 – 07/30/20

Title: *Assessing and Improving Measures of Cognition in the Health and Retirement Study (HRS)*

Role: Co-Investigator

P30 AG-017265 Eileen M. Crimmins (PI) 07/01/18 – 06/30/19

Title: *Characterizing the dynamic relationship between cardiovascular disease risk and cognitive ability over time*

Role: Pilot Award PI

PEER-REVIEWED PUBLICATIONS

1. Alvarez-Salas LM, **Arpawong TE**, DiPaolo JA. (1999). Growth Inhibition of Cervical Tumor Cells by Antisense Oligodeoxynucleotides Directed to the Human Papillomavirus Type 16 E6 Gene. *Antisense & Nucleic Acid Drug Development*, 9:441-450. <https://doi.org/10.1089/oli.1.1999.9.441>
2. **Arpawong TE**, Ping S, Chang MC, Gallaher P, Pang Z, Guo Q, Johnson CA, Unger JB. (2010). Family and personal protective factors moderate the effects of prior adversity and negative disposition on smoking among Chinese adolescents. *Substance Use and Misuse*, 9(45):1367-1389. <https://doi.org/10.3109/10826081003686041>
3. Kungskulniti N, Charoenca N, Kengganpanich T, Kusolwisitkul W, Pichainarong N, Kerdmongkol P,

- Silapasuwon P, Hamann SL, **Arpawong TE**. (2011). Smoking Prevalence Among Monks in Thailand. *Evaluation & The Health Professions*, (35)3: 305-322. <https://doi.org/10.1177/0163278711426424>
4. Sun P, Johnson CA, Palmer P, Xie B, **Arpawong TE**, Unger J, Rohrbach LA, Spruijt-Metz D, Sussman S. (2012). Concurrent and Predictive Relationships Between Compulsive Internet Use and Substance Use: Findings from Vocational High School Students in China and the USA. *International Journal of Environmental Research and Public Health*, 9(3): 660-673. <https://doi.org/10.3390/ijerph9030660>
 5. **Arpawong TE**, Richeimer SH, Weinstein F, Elghamrawy A, Milam JE. (2012). Post-Traumatic Growth, Quality of Life, and Treatment Symptoms Among Adult Cancer Patients. *Health Psychology*, 32(4): 397-408. <https://doi.org/10.1037/a0028223>
 6. Sussman S, Milam J, **Arpawong TE**, Tsai J, Black DS, Wills TA. (2013). Spirituality in Addictions Treatment: Wisdom to Know...What It Is. *Substance Use and Misuse*, 48: 1203-1217. <https://doi.org/10.3109/10826084.2013.800343>
 7. **Arpawong TE**, Oland A, Milam JE, Ruccione K, Meeske KA. (2013). Posttraumatic Growth Among Ethnically Diverse Adolescent Cancer Survivors. *Psycho-Oncology*, 22(10): 2235-2244. <https://doi.org/10.1002/pon.3286>
 8. Idrisov B, Sun P, Akhmadeeva L, **Arpawong TE**, Kukhareva P, Sussman S. (2013). Immediate and Six-month Effects of Project EX Russia: A Smoking Cessation Intervention Pilot Program. *Addictive Behaviors*, 38(8), 2402-2408. PMID: PMC3715312. <https://doi.org/10.1016/j.addbeh.2013.03.013>
 9. Sussman S, **Arpawong TE**, Sun P, Tsai J, Rohrbach LA, Spruijt-Metz D. (2014). Prevalence and co-occurrence of addictive behaviors among former alternative high school youth. *Journal of Behavioral Addictions*, 1;3(1):33-40. PMID: PMC3969796. <https://doi.org/10.1556/JBA.3.2014.005>
 10. Levine M, Crimmins E, Prescott C, Phillips D, **Arpawong TE**, Lee Jinkook. (2014). A polygenic risk score associated with measures of depressive symptoms among older adults. *Biodemography and Social Biology*, 60(2), 199-211. PMID: PMC4298361. <https://doi.org/10.1080/19485565.2014.952705>
 11. **Arpawong TE**, Sussman S, Milam JE, Unger JB, Land H, Sun P, Rohrbach LA. (2015). Post-traumatic growth, stressful life events, and relationship with substance use behaviors among alternative high school students: A prospective study. *Psychology & Health*, 30(4), 475-494. PMID: PMC4297231. <https://doi.org/10.1080/08870446.2014.979171>
 12. **Arpawong TE**, Rohrbach LA, Milam JE, Unger JB, Land H, Sun P, Spruijt-Metz D, Sussman S. (2016). Stressful life events and predictors of post-traumatic growth among high-risk early emerging adults. *Journal of Positive Psychology*, 1(1), 1-11. PMID: PMC4666321. <https://doi.org/10.1080/17439760.2014.994223>
 13. **Arpawong TE**, Lee J, Phillips DF, Crimmins E, Levine ME, Prescott CA. (2016). Effects of recent stress and variation in the serotonin transporter polymorphism (5-HTTLPR) on depressive symptoms: A longitudinal study of adults age 50 and older. *Behavior Genetics*, 46(1), 72-88. PMID: PMC4720538 <https://doi.org/10.1007/s10519-015-9740-8>
 14. **Arpawong TE**, Pendleton N, Mekli K, McArdle JJ, Gatz M, Armoskus C, Knowles JA, Prescott CA. (2017). Genetic Variant Specific to Aging-related Verbal Memory: Insights from GWASs in a Population-Based Cohort. *PLoS ONE*, 12(8), e0182448. PMID: PMC5553750. <https://doi.org/10.1371/journal.pone.0182448>
 15. Mekli K, Phillips D, **Arpawong TE**, Vanhoutte B, Tampubolon G, Nazroo JY, Lee J, Prescott CA, Stevens A, Pendleton N. (2018). Genome-wide scan of depressive symptomatology in two

- representative cohorts in the United States and the United Kingdom. *Journal of Psychiatric Research*, 100, 63-70. <https://doi.org/10.1016/j.jpsychires.2018.01.016>
16. Mekli K, Stevens A, Marshall AD, **Arpawong TE**, Phillips DF, Tampubolon G, Lee J, Prescott CA, Nazroo J, Pendleton N. (2018). Frailty Index is associated with *GRIN2B* in two representative samples in the United States and the United Kingdom. *PLoS ONE*, 13(11), e0207824. <https://doi.org/10.1371/journal.pone.0207824>
 17. Miller B, **Arpawong TE**, Jiao H, Kim S-J, Yen K, Mehta HH, Wan J, Carpten JC, Cohen P. (2019). Comparing the Utility of Mitochondrial and Nuclear DNA to Adjust for Genetic Ancestry in Association Studies. *Cells*, 8(4): 306. <https://doi.org/10.3390/cells8040306>
 18. Walter S, Dufouil C, Gross AL, Jones R, Mungas D, Filshtein T, Manly J, **Arpawong TE**, Glymour M. (2019). Neuropsychological Test Performance and MRI Markers of Dementia Risk: Reducing Education Bias. *Alzheimer Disease and Associated Disorders*, 33(3): 179-185. <https://doi.org/10.1097/WAD.0000000000000321>
 19. Kim SJ, Miller B, Mehta HH, Xiao J, Wan J, **Arpawong TE**, Yen K, Cohen P. (2019). The Mitochondrial-derived Peptide MOTS-c is a Regulator of Plasma Metabolites and Enhances Insulin Sensitivity. *Physiological Reports*, 7(13): e14171. <https://doi.org/10.14814/phy2.14171>
 20. Prescott CA, Walters EE, **Arpawong TE**, Zavala C, Gruenewald TL, Gatz M. (2020). The Project Talent Twin and Sibling Study: Zygosity and New Data Collection. *Twin Research & Human Genetics*. PMID: PMC7179982. <https://doi.org/10.1017/thg.2019.117>
 21. Haghani A, **Arpawong TE**, Kim JK, Lewinger JP, Finch CE, & Crimmins E. (2020). Female vulnerability to the effects of smoking on health outcomes in older people. *PloS one*, 15(6), e0234015. PMID: 3297122 PMID: PMC7272024. <https://doi.org/10.1371/journal.pone.0234015>
 22. **Arpawong, T. E.**, Mekli, K., Lee, J., Phillips, D. F., Gatz, M., & Prescott, C. A. (2021). A longitudinal study shows stress proliferation effects from early childhood adversity and recent stress on risk for depressive symptoms among older adults. *Aging & Mental Health*, 1-11. PMID: 33784211 PMID: PMC8673399. <https://doi.org/10.1080/13607863.2021.1904379>
 23. Karlsson, I. K., Gatz, M., **Arpawong, T. E.**, Aslan, A. K. D., & Reynolds, C. A. (2021). The dynamic association between body mass index and cognition from midlife through late-life, and the effect of sex and genetic influences. *Scientific reports*, 11(1), 1-15. PMID: 33785811 PMID: PMC8010114. <https://doi.org/10.1038/s41598-021-86667-4>
 24. Karlsson, I. K., **Arpawong, T. E.**, Zhan, Y., & Lehto, K. (2021). Genetics of Age-Related Diseases and Their Risk and Protective Factors. *Frontiers in Genetics*, 1867. PMID: PMC8503521. <https://doi.org/10.3389/fgene.2021.771109>
 25. **Arpawong TE**, Espinoza LM, Sakuma K-LK, Huh J. (2022). The Longitudinal Examination of an Ethnic Paradox of Stress and Mental Health in Older Black and Latinx Adults. *Clinical Gerontologist*. PMID: 35320059 PMID: 36175966 PMID: PMC9521011. <https://doi.org/10.1080/07317115.2022.2056102>
 26. Villa O, Stuhr NL, Yen C-A, Crimmins E, **Arpawong TE**, Curran S. (2022). Genetic variation in *ALDH4A1* is associated with muscle health over the lifespan and across species. *eLife*. PMID: 35470798 PMID: PMC9106327. <https://doi.org/10.7554/eLife.74308>
 27. Miller B, Kim SJ, Mehta H, Cao K, Kumagai H, Thumaty N, Leelaprachakul N, Vaughan J, Diedrich J, Saghatelian A, **Arpawong TE**, Crimmins E, Ertekin-Taner N, Tubi M, Hare E, Braskie M, Grodstein F, Bennett D, Zhao L, Toga A, Wan J, Yen K, Kanoski SE, Decarie-Spain L, and Cohen P. (2022). The

- novel mitochondrial-DNA-encoded microprotein SHMOOSE in Alzheimer's disease. *Molecular Psychiatry*. PMID: 36127429 PMCID: PMC10027624. <https://doi.org/10.1038/s41380-022-01769-3>
28. Cappozzo A, McCrory C, Robinson O, Sterrantino AF, Sacerdote C, Krogh V, Panico S, Tumino R, Iacoviello L, Ricceri F, Sieri S, Chiodini P, Kenny RA, O'Halloran A, Polidoro S, Solinas G, Vineis P, Ieva F, **Arpawong TE**, Crimmins E and Fiorito G. (2022). A blood DNA methylation biomarker for predicting short-term risk of cardiovascular events. *BMC Clinical Epigenetics*. PMID: 36175966 PMCID: PMC9521011. <https://doi.org/10.1186/s13148-022-01341-4>
 29. **Arpawong TE**, Gatz M, Zavala C, Gruenewald TG, Walters EE, and Prescott CA. (2023) Nature, Nurture, and the Meaning of Educational Attainment: A Project Talent Twins and Siblings Study. *Twin Research and Human Genetics*. PMID: 36912114 PMCID: pending. <https://doi.org/10.1017/thg.2023.6>
 30. Seblova D, Eng C, Avila-Reiger JF, Peters K, Lapham S, Zahodne LB, Chapman B, Prescott CA, Gruenewald TL, **Arpawong TE**, Gatz M, Glymour MM, Manly JJ (2023). High school quality is associated with cognition 58 years later. *Alzheimer's & Dementia*. PMID: 37144175. PMCID: PMC10152568. <https://doi.org/10.1002/dad2.12424>
 31. Sugden K, Moffitt TE, **Arpawong TE**, Arseneault L, Belsky DW, Corcoran DL, Crimmins EM, Hannon E, Houts R, Mill JS, Poulton R, Ramrakha S, Wertz J, Williams BS, Caspi A. (2023). Cross-national and cross-generational evidence that educational attainment may slow the pace of aging. *Journal of Gerontology: Psychological Sciences*. PMID: 37058531. <https://doi.org/10.1093/geronb/gbad056>
 32. **Arpawong TE**, Klopach ET, Kim JK, Crimmins EM. (2023). ADHD genetic burden associates with older epigenetic age: Mediating roles of education, behavioral and sociodemographic factors among older adults. *BMC Clinical Epigenetics*. PMID: 37101297 PMCID: PMC10131361. <https://doi.org/10.1186/s13148-023-01484-y>
 33. Lynch M, **Arpawong TE**, Beam C. (2023). Associations Between Longitudinal Loneliness, DNA Methylation Age Acceleration, and Cognitive Functioning. *J of Gerontology: Psychological Sciences*. PMID: 37718577. DOI: [10.1093/geronb/gbad128](https://doi.org/10.1093/geronb/gbad128)
 34. Kim, J. K., **Arpawong, T. E.**, Klopach, E. T., & Crimmins, E. M. (2023). Parental Divorce in Childhood and the Accelerated Epigenetic Aging for Earlier and Later Cohorts: Role of Mediators of Chronic Depressive Symptoms, Education, Smoking, Obesity, and Own Marital Disruption. *Journal of Population Ageing*, 1-17.
 35. Kim, S.J., Miller, B., Hartel, N.G., Ramirez, R., Braniff, R.G., Leelaprachakul, N., Huang, A., Wang, Y., **Arpawong, T.E.**, Crimmins, E.M. and Wang, P. (2024). A naturally occurring variant of SHLP2 is a protective factor in Parkinson's disease. *Molecular Psychiatry*, pp.1-13. <https://doi.org/10.1038/s41380-023-02344-0>
 36. Huh J, Arpawong TE, Gruenewald TL, et al. General cognitive ability in high school, attained education, occupational complexity, and dementia risk. *Alzheimer's Dement*. 2024; 1-8. <https://doi.org/10.1002/alz.13739>

MANUSCRIPTS IN REVIEW

1. Seblova D, Gatz M, Gruenewald T, **Arpawong TE**, Prescott CA, Peters K, Lapham S, Glymour M, and Manly J. High school quality and later-life subjective cognitive decline in older Black and White adults in the Project Talent Aging Study

2. Duangjan C, **Arpawong TE**, Spatola B, Curran SP. Hepatic WDR23 proteostasis mediates insulin clearance by regulating insulin-degrading enzyme activity. Submitted to *Cell Reports*.
3. Gruenewald T, Grossman M, Zavala C, **Arpawong TE**, Fisher G, Shultz K, Gatz M, Prescott C. Greater Adolescent Cognitive Ability and Life Course Survival Advantage in the Project Talent Aging Study: A Prospective Cohort Study. Submitted to *American Journal of Epidemiology*.

MANUSCRIPTS IN PREPARATION

4. **Arpawong TE**, Kim JK, Hernandez B, Fiorito G, Klopach E, Crimmins E, McCrory C. A novel DNA methylation-based Biological Risk Score.
5. **Arpawong TE**, Kim JK, Crimmins EM. ADHD genetic burden associates with cognitive decline over 12-years and neurodegenerative biomarkers of Alzheimer's disease.
6. **Arpawong TE** and Crimmins EM. Mediating role of epigenetic pace of aging in the relationship between physical activity levels and cognition among older adults.
7. **Arpawong TE** and Huh J. Genetic Risk for ADHD on Later Life Emotional and Cognitive Health: Testing Mechanisms of Effect.
8. Burkhardt K, **Arpawong TE**, Ambite JL. Shared Genetics Drive Mate Selection.

OTHER PUBLICATIONS: ENCYCLOPEDIA ENTRIES AND BOOK CHAPTERS

- Prescott CA, **Arpawong TE** & McArdle JJ. (2015). Genetic Studies of Behavior: Methodology. *International Encyclopedia of the Social and Behavioral Sciences, 2nd Edition*, Oxford: Elsevier. ISBN: 978-0-08-097086-8. doi.org/10.1016/B978-0-08-097086-8.82017-6
- Prescott CA, Khoddam R, **Arpawong TE**. (2016). Genetic Risk for Substance Abuse and Addiction: Family and Twin Studies. In: eLS John Wiley & Sons, Ltd. *Encyclopedia of Life Sciences*, Chichester: doi: 10.1002/9780470015902.a0005230.pub2
- Haghani A., Miller B., **Arpawong T.E.**, Ailshire J. (2020) Integrating Longitudinal Population Studies of Aging in Biological Research. In: Curran S. (eds) *Aging. Methods in Molecular Biology*, vol 2144. Humana, New York, NY. https://link.springer.com/protocol/10.1007/978-1-0716-0592-9_23
- Miller B., Haghani A., Ailshire J., **Arpawong T.E.** (2020) Human Population Genetics in Aging Studies for Molecular Biologists. In: Curran S. (eds) *Aging. Methods in Molecular Biology*, vol 2144. Humana, New York, NY. https://link.springer.com/protocol/10.1007%2F978-1-0716-0592-9_6

SELECT CONFERENCE SYMPOSIA: ORAL PRESENTATIONS

- Arpawong TE**, McArdle JJ, Knowles JA, Armoskus C, Prescott CA. Genetic Variants Associated with Longitudinal Decline in Episodic Memory After Age 60 in HRS (Abstract #1982041). Gerontological Society of America Conference. Washington, DC. November 7, 2014.
- Arpawong TE**, McArdle JJ, Prescott CA. *APOE* alleles and aging-related memory decline: the tortoise (E2) and the hare (E4). Behavior Genetics Association 44th Annual Meeting. San Diego, CA. June 19, 2015.
- Arpawong TE**, McArdle JJ, Grim KJ, Prescott CA. *Intergenerational Studies: Relation of Early Health Measures to Lifetime Trajectories of Cognitive Abilities*. Society for the Study of Human Development, 9th Biennial Meeting. Austin, TX. October 18, 2015.

Gruenewald TL, Robinette JW, **Arpawong TE**. Achieving the American Dream: Life Course Educational Mobility and Later Life Health and Happiness (Abstract #2240937). Gerontological Society of America Conference. Orlando, FL. November 20, 2015.

Arpawong TE, Lee J, Phillips DF, Crimmins E, Levine ME, Prescott CA. Depressive Symptoms Vary by Genetic Sensitivity to Stress in Ethnically Diverse Older Adults (Abstract #2241461). Gerontological Society of America Conference. Orlando, FL. November 21, 2015.

Arpawong TE, McArdle JJ, Prescott CA. Age-related changes in cognitive attention: Effects of APOE and education on racial/ethnic differences in a nationally representative sample of older adults (Abstract #134). Behavior Genetics Conference. Brisbane, Australia. June 23, 2016.

Arpawong TE, Prescott CA. Psychosocial Resilience and the Ethnic Paradox: Effects of Social Networks and Cumulative Trauma (Abstract #2504516). Gerontological Society of America Conference. New Orleans, LA. November 18, 2016.

Arpawong TE, Walters E, Gatz M, Gruenewald T, McArdle J, Lapham S, and Prescott CA. Individual, Family, Community and Genetic Predictors of Educational Attainment. IAGG World Congress of Gerontology & Geriatrics. San Francisco, CA. July 25, 2017.

Arpawong TE, Lee J, Phillips DF, and Prescott CA. Early Childhood Adversity and Recent Stress Affect Risk for Depressive Symptoms in Older Adults. Gerontological Society of America. Boston, MA. Nov 15, 2018.

Zavala C, **Arpawong TE**, Gruenewald TG, Prescott CA. Clarifying Associations Between Education and Midlife Occupational Complexity: The Impact of Genetics and Environment. Gerontological Society of America. Boston, MA. Nov 18, 2018.

Arpawong TE, Gruenewald T, and Prescott CA. New Findings from the Project Talent Twin and Siblings Study: Impacts of Adolescent Cognition, Schools, Families and Genetics on Later-Life Cognitive Engagement. Gerontological Society of America. Boston, MA. Nov 18, 2018.

Zavala C, **Arpawong TE**, Prescott CA. You Are Only as Old as You Feel. Behavior Genetics Association 48th Annual Meeting, Stockholm, Sweden. June 29, 2019.

Arpawong T., Gatz, M., Gruenewald, T., Zavala, C., Seblova, D., Manly, J., Lapham, S. and Prescott, C., 2020. How Adolescent Sports Participation, Family, and School Resources Impact Later-Life Physical Activity Levels. (Abstract #870180.) Gerontological Society of America – virtual. Nov 4, 2020. *Innovation in Aging*, 4(Supplement_1), pp.503-504.

Gruenewald T, Grossman M, Zavala C, **Arpawong T**, Fisher G, Shultz K, Gatz M, Prescott C. Greater Adolescent Cognitive Ability Linked to Lower Risk of Earlier Mortality. Gerontological Society of America – virtual. Nov, 2021. *Innovation in Aging*, 5(Supplement_1), p.520

Arpawong T and Huh J. Genetic Risk for ADHD on Later Life Emotional and Cognitive Health: Testing Mechanisms of Effect. Gerontological Society of America. (Abstract #1231553.) 6 Nov 2022. *Innovation in Aging*, 6(Supplement_1), p.431

SELECT POSTER PRESENTATIONS

Arpawong TE, McArdle JJ, Knowles JA, Armoskus C, Prescott CA. A Psychometric GWAS finds specificity of variants associated with level and change in immediate and delayed recall memory after age

60 (Abstract #140123218). Annual Meeting of the American Society of Human Genetics. San Diego, CA. October 19, 2014.

Arpawong TE, Lee J, Phillips DF, Espinoza L, Prescott CA. Longitudinal Test of Stress Sensitization and Ethnic Paradox for Depression in Older Age: Evaluating the Combined Impacts of Childhood Trauma and Recent Stress (Abstract # 24436). Society for Prevention Research Conference. San Francisco, CA. June 2, 2016.

Arpawong TE, Zavala C, Gatz M, Gruenewald TG, and Prescott CA. Genetics Matter Less for Women and People of Lower Socioeconomic Status in Educational Attainment. Gerontological Society of America. Boston, MA. Nov 15, 2018.

Jonsdottir HL, **Arpawong TE**, Jones RN, Chanti-Ketterl M, Harrati A, Medina L, Manly J, Williams MW. The association between depressive symptoms & cognition differs by age but not by Alzheimer's genetic risk or gender. Gerontological Society of America. Boston, MA. Nov 17, 2018.

Arpawong TE and Milam J. Resilience Factors That Modify Genetic Risk for ADHD Matter for Later Life Emotional and Cognitive Health Outcomes (Abstract # 870260). Gerontological Society of America – virtual. Nov 6, 2020. *Innovation in Aging*, 4(Suppl 1), p.458.

Gruenewald T, Zavala C, Grossman M, **Arpawong T**, Manly J, Lapham S, Gatz M, Prescott C: Greater adolescent cognitive ability is linked to lower risk of cognitive impairment in later life. *Innovation in Aging* 2021, 5(Supplement_1):481-482.

Burghardt K, **Arpawong TE**, Ambit  JL. Shared Genetics Drive Mate Selection (Abstract PB3585). American Society for Human Genetics. Oct 26, 2022.

Herzig E, Blevins B, Wong K, Oh H, Sami M, Lee R, Bluthenthal R, Unger J, **Arpawong T**, Huh J. Nicotine and Cannabis Co-use Patterns and Predictors Among Racial Minority Adults: A Systematic review of ecological momentary assessment studies (Abstract POS03-052). Forthcoming at the Society for Research on Nicotine and Tobacco, March 22, 2024.

Huh J, Pickering T, **Arpawong TE**, Oh H. Racial Trauma Among Multi-Ethnic Minority Young Adults Affects Nicotine, Alcohol and Cannabis Use Differently Than Among Mono-Ethnic Minority Young Adults. (Abstract POS05-035). Society for Research on Nicotine and Tobacco. Forthcoming March 23, 2024. Edinburgh, Scotland.

Blevins B, Wong K, Oh H, Sami M, Herzig E, Ho C, **Arpawong TE**, Bluthenthal R, Huh J. Schedules of substance use: Coping in the face of discrimination. Forthcoming at the Society for Research on Nicotine and Tobacco, March 22, 2024.

INVITED PRESENTATIONS AND GUEST LECTURES

Posttraumatic Growth: Predictors, Impact of Stressful Life Events, and Impact on Changes in Substance Use Behaviors. Department of Psychology, University of Southern California. Los Angeles, CA. February 28, 2013.

Posttraumatic Growth Among High-Risk Youth: Predictors, Impact of Stressful Life Events, and Impact on Substance Use Behaviors Over Time. School of Community & Global Health, Claremont Graduate University. Claremont, CA. March 27, 2013.

Resilience and Psychological Growth to Acute Stressors: A Lifespan Perspective. Course in Health Psychology, Department of Psychology, University of Southern California. Los Angeles, CA. October 28, 2015.

Genetic variants in APOE e4 and TOMM40 associated with AD risk and age-related verbal memory. Society for Brain Mapping and Therapeutics World Congress, Los Angeles, CA. April 13, 2018.

Data Reproducibility, Accessibility/Availability, Rigor. Davis School of Gerontology Trainee Seminar Series. March 11, 2020

Heritability and Health-Related Behavior. Course lecture in PM515 Multivariate Statistics, Preventive Medicine, Keck School of Medicine, University of Southern California. Los Angeles, CA. April 16, 2019.

Genomic Translation Across Species Core. USC-Buck Nathan Shock Center for Excellence in the Biology of Aging Town Hall. Feb 24, 2021.

Do you Bounce? Resilience in the Face of Adversity. Alhambra Civic Center. May 13, 2021.

Stress and Psychological Resilience Across the Lifecourse. Course lecture in GESM141 Mind and Body, Davis School of Gerontology, USC, Los Angeles. March 3, 2022.

Using Twin Relationships to Study the Effects of Nature & Nurture. Course lecture in PM515 Multivariate Statistics, Population and Public Health Sciences, Keck School of Medicine, University of Southern California. Los Angeles, CA. April 4, 2022.

Genomic Translation Across Species Core. USC-Buck Nathan Shock Center for Excellence in the Biology of Aging Symposium. Mar 18, 2022.

Social determinants of cognition and risk for Alzheimer's disease. Course lecture in Gero415, Leonard Davis School of Gerontology, USC, Los Angeles. April 20, 2023.

Health and Retirement Study 101 to 499. Course lecture Gero499, Leonard Davis School of Gerontology, USC, Los Angeles. July 19, 2023.

Social determinants of health and risk for Alzheimer's disease. Course lecture in Neuroaffective Disorders in Aging, Leonard Davis School of Gerontology, USC, Los Angeles. November 16, 2023.

ADHD and Aging. Panel speaker at American Professional Society of ADHD and Related Disorders, Orlando, FL. January 19, 2024.

INTERVIEWS AND MEDIA

Understanding COVID in America. <https://www.nbclosangeles.com/news/local/covid-19-anxiety-on-the-decline-but-angelenos-worry-more-than-other-americans/2374990/>

Resilient people have lessons to offer, and USC researchers are listening, By Connie Sommer for USC News, July 2, 2019. <https://news.usc.edu/158476/what-is-resilience-usc-researchers-seeking-secrets/>

COVID-19 Won't Change Us Forever, by Ken Budd, for The Atlantic. July 5, 2020. <https://www.theatlantic.com/ideas/archive/2020/07/covid-19-wont-change-us-forever/613804/>

Resilience and Post-Traumatic Growth. CBS National News Interview with Tara Longden and Tara Narula, March 30, 2021.

The Upside of Trauma. Ginny Graves. The Art of Resilience. Oprah Inaugural Quarterly Bookazine, Spring 2021.

How to start over when Life's Got you down: 7 Steps to launching a comeback. Jessica Migala. Women's Health Magazine, June 28, 2021. <https://www.womenshealthmag.com/life/a36634635/how-to-start-over/>

Promoting Gerontology, documentary with Paul Nash. USC. November 9, 2021.

Lessons in Lifespan Health Podcast, with George Shannon. February 3, 2022. <https://lifespanhealth.usc.edu/research-assistant-professor-thalida-em-arpawong-uncovering-ways-our-genes-and-environments-can-impact-health-as-we-age/>

PROFESSIONAL BACKGROUND

Academic Appointments

- 2018- Research Assistant Professor and Bioinformatician, Davis School of Gerontology, University of Southern California, Los Angeles, CA
- 2017-2018 Senior Research Associate, Department of Psychology, University of Southern California, Los Angeles, CA
- 2013-2017 Postdoctoral Research Fellow / Associate, Department of Psychology, University of Southern California, Los Angeles, CA
- 2011-2013 Predoctoral Fellow, Tobacco-Related Disease Research Program, Department of Preventive Medicine, University of Southern California, Los Angeles, CA
- 2009-2011 Graduate Research Assistant, Department of Preventive Medicine, University of Southern California, Los Angeles, CA
- 1997-1998 Predoctoral Fellow, Division of Basic Sciences, National Cancer Institute, NIH, Bethesda, MD

Professional Appointments

- 2006-2009 Project Specialist/Manager, Center for Community Health Studies, Department of Family Medicine, University of Southern California, Alhambra, CA
- 2005-2006 Project Manager, Bioinformatics Division, PacificCare Health Systems, Inc., Cypress, CA
- 2003-2005 Research Associate, Health and Human Development Program, WestEd, Los Alamitos, CA
- 2001-2003 Public Policy Researcher & Title X Intern, Policy and Planning Division, California Family Health Council, Inc., Los Angeles, CA
- 2000-2001 Breast Cancer Epidemiology Analyst, Community Assessment Unit, Bureau of Environmental Health Assessment, Massachusetts Department of Public Health, Boston, MA

PROFESSIONAL AFFILIATIONS

- | | |
|------------------------------------|--------------|
| American Public Health Association | 2007-2013 |
| Society for Prevention Research | 2009-2020 |
| American Psychological Association | 2013-present |
| Gerontological Society of America | 2013-present |

Behavior Genetics Association	2014-present
American Society of Human Genetics	2014-present
Society for the Study of Human Development	2015-2020
Association for Psychological Science	2016-2021

SERVICE

National Committees

Participant in the Biomarker Network Meeting on Epigenetics. Online. April 21-22, 2020
Participant in the Biomarker Network Meeting on Epigenetics, NIA, Bethesda, MD, September 24, 2018
Society for Prevention Research Early Career Preventionist Network Training Committee, June 2010 – June 2011

University Service

Communications Officer, Health Behavior Research Students' Association, University of Southern California, 2009-2011.
Panel Speaker, The Academic Track. Department of Preventive Medicine, University of Southern California, April 12, 2014.
Panel Speaker, Preparing Future Faculty Fellows. Department of Psychology, University of Southern California, March 26, 2015.
Advanced Research Computing Program Advisory Committee (ARC-PAC), University of Southern California, 2020-present.
CKIDS Data Fest Project Lead, Data Science Program, Information Sciences Institute. University of Southern California, 2021.

Student Mentorship

2020-2021 Amin Haghani, PhD Biology of Aging, Research Mentor, Davis School of Gerontology, University of Southern California, Los Angeles, CA.
2018-2022 Brendan Miller, PhD Neuroscience, Research Mentor, Davis School of Gerontology, University of Southern California, Los Angeles, CA.
2020-2022 Sheila Yu, PhD Health Behavior Research, Committee Member, Public Health & Population Sciences, Keck School of Medicine, University of Southern California, Los Angeles, CA.
2022 Devyn Ramnarain, MA Gerontology, Capstone Project Research Advisor, Davis School of Gerontology, University of Southern California, Los Angeles, CA.
2022- Meki Singleton, PhD Gerontology, R36 Statistical Advisor, Davis School of Gerontology, University of Southern California, Los Angeles, CA.
2020- Morgan Lynch, PhD Clinical Psychology, Committee Member, Dornsife College of Arts & Sciences, University of Southern California, Los Angeles, CA.
2020- Ana Silverstein, PhD Molecular Biology, Research Mentor, Davis School of Gerontology, University of Southern California, Los Angeles, CA.

Editorial Positions

2020 - 2021 Topic Editor, *Frontiers in Genetics: Genetics of Age-Related Diseases*
2021 - Editorial Board, Springer-Nature *Discover Social Science and Health*

Ad Hoc Journal Reviewer

Aging and Mental Health
Journal of Gerontology: Medical Sciences
Journal of Gerontology: Biological Sciences
Journal of Black Psychology

Genes
Frontiers in Genetics
Frontiers in Psychology
Prevention Science
Behavior Genetics
Journal of Health Psychology
Social Science and Medicine
Scientific Reports
Annals of Behavioral Medicine
Clinical Gerontologist
Biodemography and Social Biology
Experimental Gerontology
Journal of Traumatic Stress
Stress and Health

American Journal of Orthopsychiatry
Psychological Medicine
International Journal of Molecular Sciences
Wellcome Open Research U.K.
Stress and Health
Applied Psychology: Health and Well-Being
Journal of Child and Family Studies
Journal of Personality and Social Psychology
Personality and Individual Differences
Scandinavian Journal of Psychology
Psychopharmacology
Psycho-Oncology
Cancer
eLife
Violence Against Women
Evaluation and the Health Professions
Nicotine and Tobacco Research
Frontiers in Genetics
Substance Use and Misuse

Society Conference Abstract Reviewer

Gerontological Society of America (2014-2023)
American Public Health Association Maternal and Child Health Section (2009)
Society for Prevention Research (2010, 2013, 2016)
International Positive Psychology Association (2013)