

Shandell Pahlen, M.A.

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Education

Ph.D., Developmental Psychology, expected 2022
Department of Psychology; University of California, Riverside
Mentor: Dr. Chandra Reynolds

M.A., Developmental Psychology, 2018
Department of Psychology; University of California, Riverside
Mentor: Dr. Chandra Reynolds

B.S., Psychology, 2011
Department of Psychology; University of Minnesota, Twin Cities

Honors and Awards

Associate Member Travel Fellowship for Behavior Genetic Association, 2019	\$150
Associate Member Travel Fellowship for Behavior Genetic Association, 2018	\$250
Associate Member Travel Fellowship for Behavior Genetic Association, 2017	\$250
Chancellor's Distinguished Fellowship, 2016-2017	\$20,000
Golden Key International Honor Society, 2011	N/A

First Authored Published Manuscript

Pahlen, S., Hamdi, N.R., Dahl Aslan, A.K., Horwitz, B.N., Panizzon, M.S., Petersen, I., ... & McGue, M. (2018)
Age-moderation of genetic and environmental contributions to cognitive functioning in mid- and late-life for specific cognitive abilities. *Intelligence*, 68, 70-81.

Published Manuscripts

Silventoinen, K., Li, W., Jelenkovic, A., Sund, R., Yokoyama, Y., Aaltonen, S., ... **Pahlen, S.**, ... & Kaprio, J. (2022).
Changing genetic architecture of body mass index from infancy to early adulthood: an individual based pooled analysis of 25 twin cohorts. *International Journal of Obesity*, 1-9.

Vo, T. T., **Pahlen, S.**, Kremen, W. S., McGue, M., Aslan, A. D., Nygaard, M., Christensen, K., & Reynolds, C. A. (in press). Does sleep duration moderate genetic and environmental contributions to cognitive performance? *Sleep*.

Phillips, D. M., Finkel, D., Petkus, A. J., Muñoz, E., **Pahlen, S.**, Johnson, W., ... & Pedersen, N. (2022).
Longitudinal analyses indicate bidirectional associations between loneliness and health. *Aging & Mental Health*, 1-9.

- Finkel, D., Zavala, C., Franz, C. E., **Pahlen, S.**, ... & Whitfield, K. E. (2022) Financial strain moderates genetic influences on self-rated health: Support for diathesis-stress model of gene-environment interplay. *Biodemography and Social Biology*, 67(1), 58-70.
- Whitsel, N., Reynolds, C. A., Buchholz, E. J., **Pahlen, S.**, Pearce, R. C., Hatton, S. N., ... & Franz, C. E. (2022). Long-term Associations of cigarette smoking in early midlife with predicted brain aging from midlife to late life. *Addiction*.
- Silventoinen, K., Bogl, L. H., Jelenkovic, A., Vuoksima, E., Latvala, A., Li, W., ... **Pahlen, S.**, ... & Kaprio, J. (2021). Educational attainment of same-sex and opposite-sex dizygotic twins: An individual-level pooled study of 19 twin cohorts. *Hormones and Behavior*, 136, 1-6.
- Gustavson, D. E., Panizzon, M. S., Kremen, W. S., Reynolds, C. A., **Pahlen, S.**, Nygaard, M., ... & Franz, C. E. (2021). Genetic and Environmental Influences on Semantic Verbal Fluency Across Midlife and Later Life. *Behavior Genetics*, 51(2), 99-109.
- Silventoinen, K., Jelenkovic, A., Sund, R., Latvala, A., Honda, C., Inui, F., ... **Pahlen, S.**, ... & Busjahn, A. (2020). Genetic and environmental variation in educational attainment: An individual-based analysis of 28 twin cohorts. *Scientific Reports*, 10(1), 1-11.
- Jelenkovic, A., Sund, R., Yokoyama, Y., Latvala, A., Sugawara, M., Tanaka, M., ... **Pahlen, S.**, ... & Mankuta, D. (2020). Genetic and environmental influences on human height from infancy through adulthood at different levels of parental education. *Scientific Reports*, 10(1), 1-11.
- Silventoinen, K., Jelenkovic, A., Latvala, A., Yokoyama, Y., Sund, R., Sugawara, M., ... **Pahlen, S.**, ... & Freitas, D. L. (2019). Parental education and genetics of BMI from infancy to old age: A pooled analysis of 29 twin cohorts. *Obesity*, 27(5), 855-865.
- Silventoinen, K., Jelenkovic, A., Yokoyama, Y., Sund, R., Sugawara, M., Tanaka, M., ... **Pahlen, S.**, ... & Hjelmborg, J. V. B. (2019). The CODATwins Project: The current status and recent findings of Collaborative project of Development of Anthropometrical measures in Twins. *Twin Research and Human Genetics*, 22(6), 800-808.
- Jelenkovic, A., Mikkonen, J., Martikainen, P., Latvala, A., Yokoyama, Y., Sund, R., ... **Pahlen, S.**, ... & Lee, J. (2018). Association between birth weight and educational attainment: An individual-based pooled analysis of nine twin cohorts. *Journal of Epidemiology and Community Health*, 72(9), 832-837.
- Jelenkovic, A., Sund, R., Yokoyama, Y., Hur, Y. M., Ullemar, V., Almqvist, C., ... **Pahlen, S.**, ... & Bogl, L. H. (2018). Birth size and gestational age in opposite-sex twins as compared to same-sex twins: An individual-based pooled analysis of 21 cohorts. *Scientific Reports*, 8(1), 1-8.
- Jelenkovic, A., Yokoyama, Y., Sund, R., Hur, Y. M., Harris, J. R., Brandt, I., ... **Pahlen, S.**, ... & Magnusson, P. K. (2018). Associations between birth size and later height from infancy through adulthood: An individual based pooled analysis of 28 twin cohorts participating in the CODATwins project. *Early Human Development*, 120, 53-60.
- Yokoyama, Y., Jelenkovic, A., Hur, Y. M., Sund, R., Fagnani, C., Stazi, M. A., ... **Pahlen, S.**, ... & Knafo-Noam, A.

- (2018). Genetic and environmental factors affecting birth size variation: a pooled individual-based analysis of secular trends and global geographical differences using 26 twin cohorts. *International Journal of Epidemiology*, 47(4), 1195-1206.
- Bogl, L. H., Jelenkovic, A., Vuoksima, E., Ahrenfeldt, L., Pietiläinen, K. H., Stazi, M. A., ... **Pahlen, S.**, ... & Silberg, J. L. (2017). Does the sex of one's co-twin affect height and BMI in adulthood? A study of dizygotic adult twins from 31 cohorts. *Biology of Sex Differences*, 8(1), 1-12.
- Silventoinen, K., Jelenkovic, A., Latvala, A., Sund, R., Yokoyama, Y., Ullemar, V., ... **Pahlen, S.**, ... & Kandler, C. (2017). Education in Twins and Their Parents Across Birth Cohorts Over 100 years: An Individual-Level Pooled Analysis of 42-Twin Cohorts. *Twin Research and Human Genetics*, 20(5), 395-405.
- Silventoinen, K., Jelenkovic, A., Sund, R., Yokoyama, Y., Hur, Y. M., Cozen, W., ... **Pahlen, S.**, ... & Iwatani, Y. (2017). Differences in genetic and environmental variation in adult BMI by sex, age, time period, and region: an individual-based pooled analysis of 40 twin cohorts. *The American Journal of Clinical Nutrition*, 106(2), 457-466.
- Jelenkovic, A., Yokoyama, Y., Sund, R., Pietiläinen, K. H., Hur, Y. M., Willemsen, G., ... **Pahlen, S.**, ... & Stazi, M. A. (2017). Association between birthweight and later body mass index: an individual-based pooled analysis of 27 twin cohorts participating in the CODATwins project. *International Journal of Epidemiology*, 46(5), 1488-1498.
- Wright, Z. E., **Pahlen, S.**, & Krueger, R. F. (2017) Genetic and environmental influences on DSM-5 maladaptive personality traits. *Journal of Abnormal Psychology*, 126(4), 416-428.
- Jelenkovic, A., Sund, R., Hur, Y. M., Yokoyama, Y., Hjelmberg, J. V. B., Möller, S., ... **Pahlen, S.**,... & Aaltonen, S. (2016). Genetic and environmental influences on height from infancy to early adulthood: An individual-based pooled analysis of 45 twin cohorts. *Scientific Reports*, 6(1), 1-13.
- Jelenkovic, A., Hur, Y. M., Sund, R., Yokoyama, Y., Siribaddana, S. H., Hotopf, M., ... **Pahlen, S.**, ... & Pang, Z. (2016). Genetic and environmental influences on adult human height across birth cohorts from 1886 to 1994. *Elife*, 5.
- Silventoinen, K., Jelenkovic, A., Sund, R., Hur, Y. M., Yokoyama, Y., Honda, C., ... **Pahlen, S.**, ... & Ji, F. (2016). Genetic and environmental effects on body mass index from infancy to the onset of adulthood: an individual-based pooled analysis of 45 twin cohorts participating in the COllaborative project of Development of Anthropometrical measures in Twins (CODATwins) study. *The American Journal of Clinical Nutrition*, 104(2), 371-379.
- Jelenkovic, A., Yokoyama, Y., Sund, R., Honda, C., Bogl, L. H., Aaltonen, S., ... **Pahlen, S.**, ... & Kim, B. (2015). Zygosity Differences in Height and Body Mass Index of Twins From Infancy to Old Age: A Study of the CODATwins Project. *Twin Research and Human Genetics*, 18(05), 557-570.
- Silventoinen, K., Jelenkovic, A., Sund, R., Honda, C., Aaltonen, S., Yokoyama, Y., ... **Pahlen, S.**,... & Skytthe, A. (2015). The CODATwins Project: The cohort description of collaborative project of development of anthropometrical measures in twins to study macro-environmental variation in genetic and environmental effects on anthropometric traits. *Twin Research and Human Genetics*, 18(4), 348-360.

Suzuki, T., Samuel, D. B., **Pahlen, S.**, & Krueger, R. F. (2015). DSM-5 alternative personality disorder model traits as maladaptive extreme variants of the five-factor model: An item-response theory analysis. *Journal of Abnormal Psychology, 124*(2), 343.

Book Chapter

Pahlen, S. & Reynolds, C. A. (2020) Gene-environment interplay. In Benson, J. (Ed.), *Encyclopedia of infant and early childhood development* (2nd edition). London: Elsevier.

Manuscript under Review/Revision

Manuscripts in Preparation

Luna*, **Pahlen, S.**, Corley, R. P., Wadsworth, S., & Reynolds, C. A. (in prep). Frailty and Processing Speed Performance at the Cusp of Midlife in CATSLife

Pahlen, S., & Reynolds, C. A. (in prep). Smoking behaviors and cognitive functioning in mid- to late-adulthood: Gene-environment interplay.

Pahlen, S., & Reynolds, C. A. (in prep). Gene-environment interplay of smoking initiation and persistence.

Munoz, E., Arogyaswamy, S., Petkus, A., **Pahlen, S.**, Phillips, D., Gatz, M., & Reynolds, C. A. (to be resubmitted) An assessment of life events checklist measures: Severity appraisals and individual differences.

Phillips, D. M., **Pahlen, S.**, Munoz, E., Petkus, A. J., Christensen, K., Dahl Aslam, A. K., Franz, C. E., Kremen, W. K., Martin, N. G., Mosing, M. A., Neiderhiser, J. M., Nygaard, M., Pedersen, N. L., Vuoksimaa, E., McGue, M., & Reynolds, C. A.; for the IGEMS Consortium (to be resubmitted). Longitudinal loneliness and age-associated cognitive performance and change in mid- and late-life.

Conference Presentations

Pahlen, S. & Reynolds, C. A. (Accepted, upcoming presentation June, 2022). Comparison of GEE and Mixed-Effects Approaches in Phenotypic Models. *Behavior Genetics Association*, Los Angeles, CA.

Pahlen, S., Kremen, W., Chandra Reynolds, C. A., & the IGEMS Consortium (2021, June). Gene-environment interplay between smoking behavior and cognition among older adults. *Behavior Genetics Association*, Virtual Online Conference

Pahlen, S., Kremen, W., Chandra Reynolds, C. A., & the IGEMS Consortium (2019, November). Gene-environment interplay between smoking behavior and cognition among older adults. *Gerontological Society of America*, Austin, TX.

Pahlen, S., Kremen, W., Chandra Reynolds, C. A., & the IGEMS Consortium (2019, June). Smoking behaviors and cognitive functioning in mid- to late-adulthood: gene-environment interplay. *Behavior Genetics Association*, Stockholm, Sweden.

Pahlen, S., Reynolds, C. A., & the IGEMS Consortium. (2018, November). The relationship between smoking duration, years of education, and cognitive functioning in mid- and late-life: A co-twin control study. *Gerontological Society of America*, Boston, MA.

Pahlen, S., Reynolds, C. A., & the IGEMS Consortium. (2018, June). The relationship between smoking duration, years of education, and cognitive functioning in mid- and late-life: A co-twin control study. *Behavior Genetics Association*, Boston, MA.

Pahlen, S., & McGue, M. (2016, June). Age-moderation of genetic and environmental contributions to cognitive functioning in mid- and late-life for specific cognitive abilities. *Behavior Genetics Association*, Brisbane, Australia.

Note: This talk was presented by Dr. Matthew McGue

Co-Authoring Conference Talks

Vo, T., **Pahlen, S.,** Kremen, W., McGue, M., Dahl, A. D., Nygaard, M., Christensen, A., & Reynolds, C. A. (2022, June). Gene-environmental interplay of verbal fluency and episodic memory: Evaluating moderation by sleep duration and educational attainment. *Behavior Genetics Association*, Los Angeles, CA.

Vo, T., **Pahlen, S.,** McGue, M., Kremen, W., & Reynolds, C. A. (2020, June). Testing for moderation of mid-life cognitive performance by sleep duration. *Behavior Genetics Association*, Virtual Online Conference.

McGue, M., Petersen, & **Pahlen, S.** (2017, June). Social class and healthy aging: What we can learn from IGEMS. *Behavior Genetics Association*, Oslo, Norway.

Conference Posters

*Indicates mentorship role of listed undergraduate or post-baccalaureate individuals

Pahlen, S., & Reynolds, C. A. (2022, June). Comparison of GEE and Mixed-Effects Approaches in Phenotypic Models. *Behavior Genetics Association*, Los Angeles, CA.

Lawrence, F., Lee, T., Bach, D., Lee, S., Dungore, F., **Pahlen, S.,** Corley, R., Friedman, N., Reynolds, C. A. (2022, April). Video game play and associations with impulsivity in adolescence and adulthood. *Western Psychological Association*, Portland, OR.

Pahlen, S., Stallings, M. C., Corley, R. P., Wadsworth, S., & Reynolds, C. A. (2021, November). Consequential impacts of tobacco use on cognitive performance. *Gerontological Society of America*, Virtual Online Conference.

Luna*, **Pahlen, S.,** Corley, R. P., Wadsworth, S., & Reynolds, C. A. (2021, November). Frailty and processing speed performance at the cusp of midlife in CATSLife. *Gerontological Society of America*, Virtual Online Conference.

Vo, T., **Pahlen, S.,** Corley, R. P., Wadsworth, S., & Reynolds, C. A. (2021, November). Are genetic and environmental contributions to verbal fluency and episodic memory solely moderated by sleep?. *Gerontological Society of America*, Virtual Online Conference.

- Warren, T., **Pahlen, S.**, Xian, H., De Anda, J., Kremen, W. S., Franz, C. (2020, November). The effect of midlife cardiovascular risk factors on cognitive function nearly half a decade later. *Gerontological Society of America*, Virtual Online Conference.
- Gatz, M., Luczak, S. E., **Pahlen, S.**, Lee, T., Nygaard, M., Panizzon, M. S., Plassman, B. L., Reynolds, C. A., Whitfield, K. E., IGEMS Consortium. (2020, June). Remember this: Harmonization of episodic memory measures across twin studies of aging. *Behavior Genetics Association*, Virtual Online Conference.
- Luna*, M., Radican*, M., Myers, C., Trubenstein, P., Vo, T., **Pahlen, S.**, & Reynolds, C. A. (2020, May). The effect of physical activity on daily spatial reasoning tasks: A smartphone study in young adults. *The 2nd Annual R'PSYC conference at University of California, Riverside*. Riverside, CA.
- Vo*, T., **Pahlen, S.**, & Reynolds, C. A. (2018, November). Sleep, cognition, and health status amongst retired and non-retired older adults. *Gerontological Society of America*, Boston, MA.
- Pahlen, S.**, Reynolds, C. A., & the IGEMS Consortium (2018, April). The relationship between smoking duration, years of education, and cognitive functioning in mid- and late-life: A co-twin control study. *Western Psychological Association*, Portland, OR.
- Pahlen, S.**, Reynolds, C. A., & the IGEMS Consortium (2018, March). The relationship between smoking duration, years of education, and cognitive functioning in mid- and late-life: A co-twin control study. *Cognitive Aging Conference*, Atlanta, GA.
- Pahlen, S.**, & McGue, M., & Reynolds, C. A. (2017, June). The rank-order stability of cognitive performance across time in a longitudinal twin design. *Behavior Genetics Association*, Oslo, Norway.
- Krueger, R. F., **Pahlen, S.**, & Johannes, Z. (2016, March). Using graded unfolding IRT models and non-parametric regression approaches to characterize the shape of the relation between personality dimensions and functioning. *Society for Personality Assessment*, San Francisco, CA.
- Wright, Z., **Pahlen, S.**, & Krueger, R. F. (2016, March). Genetic and environmental influences on DSM-5 maladaptive personality traits. *Society for Research in Psychopathology*, Baltimore, MD.
- Suzuki, T., Samuel, D. B., **Pahlen, S.**, & Krueger, R. F. (2015, October). Comparing PID-5 and IPIP-NEO coverage of shared latent traits. *The International Society for the Study of Personality Disorders*, Montreal, Canada.
- Anderson*, A., Elkins, I., Iacono, W., Keyes, M., McGue, M., & **Pahlen, S.** (2014, June). Persistence of Attention Deficit Hyperactivity Disorder symptoms through adolescence. *Behavior Genetics Association*, Charlottesville, VA.
- Pahlen, S.**, & McGue, M. (2014, June). Moderation of verbal and performance IQ by selected leisure activities. *Behavior Genetics Association*, Charlottesville, VA.
- Suzuki, T., Samuel, D. B., **Pahlen, S.**, & Krueger, R. F. (2014, March). Comparing and contrasting the PID-5 and the IPIP NEO-PI-R. *Society for Personality Assessment*, Arlington, VA.

Teaching Experience

Graduate Teaching Assistant; University of California, Riverside

Course	Instructor	Rating [*]	Quarter, year
Health Psychology	Janine Medina	7.0/7.0	Summer, 2022
Adult Development & Aging	Dr. Chandra Reynolds	7.00/7.0	Fall, 2021
Introduction Psychology 1	Dr. Kelly Huffman	6.67/7.0	Summer, 2021
Lifespan Development	Dr. Brianne Coulombe	-	Summer, 2020
Biological Issues of Development	Dr. Chandra Reynolds	-	Spring, 2020
Applied Longitudinal Data Analysis	Dr. Chandra Reynolds	-	Fall, 2019
Socioemotional and Personality Development	Dr. Elizabeth Davis	-	Summer, 2019
Research Methods	Dr. Brent Hughes	6.73/7.0	Fall, 2018
Abnormal Psychology	Dr. Michelle Calderwood	-	Summer, 2018
Environmental Psychology	Dr. Paige Trubenstein	6.19/7.0	Spring, 2018
Introduction Psychology 2	Dr. Rachel Wu	6.54/7.0	Winter, 2017
Abnormal Psychology	Dr. Sofia Stepanyan	-	Summer, 2017

*Rating based on average overall effectiveness as an instructor

Courses delivered during the summer before 2021 or courses taught without a separate lab/discussion section are not evaluated

Membership in Professional Societies

Gerontological Society of America (GSA), Student Member	2016 – present
Behavior Genetics Association (BGA), Student Member	2014 – present
Western Psychological Association	2018 – 2019