

Alison Presmanes Hill

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EDUCATION

- 2008 Ph.D., Psychology (Developmental/Quantitative Methods & Evaluation),
 Vanderbilt University, Nashville, TN
- 2005 M.S., Psychology (Developmental), Vanderbilt University, Nashville, TN
- 2002 B.S., Applied Psychology, Georgia Institute of Technology, Atlanta, GA

PROFESSIONAL APPOINTMENTS

- 2012 – present Assistant Professor, Department of Pediatrics, Computer Science & Electrical
 Engineering program, Oregon Health & Science University
- 2010 – 2011 Senior Research Associate, Computer Science & Electrical Engineering program,
 Oregon Health & Science University
- 2008 – 2010 Research Assistant Professor, School of Social & Family Dynamics, Arizona State
 University

PUBLICATIONS

REFEREED JOURNAL ARTICLES

Macfarlane, H., Gorman, K., Ingham, R., **Hill, A. P.**, Papadakis, K., Kiss, G., & van Santen, J. (2017). Quantitative analysis of disfluency in children with autism spectrum disorder or language impairment. *PLOS ONE*, 12(3), e0173936. doi:10.1371/journal.pone.0173936

Gorman, K., Olson, L., **Hill, A. P.**, Lunsford, R., Heeman, P., & van Santen, J. (2016). Uh and um in children with autism spectrum disorders or language impairment. *Autism Research*, 9(8), 854-865. doi:10.1002/aur.1578

Hill, A. P., Zuckerman, K., & Fombonne, E. (2015). Obesity and autism. *Pediatrics*, 136, 1-11. doi:10.1542/peds.2015-1437

Hill, A. P., van Santen, J., Gorman, K., Langhorst, M., & Fombonne, E. (2015). Memory in language impaired children with and without autism. *Journal of Neurodevelopmental Disorders*, 7(19), 1-13. doi:10.1186/s11689-015-9111-z

Hill, A. P., Zuckerman, K., Hagen, A., Kriz, D., Duvall, S., van Santen, J., Nigg, J., Fair, D., & Fombonne, E. (2014). Aggressive behaviors in autism spectrum disorder: Prevalence and correlates in a large clinical sample. *Research in Autism Spectrum Disorders*, 8(9), 1121-1133. doi:10.1016/j.rasd.2014.05.006

Zuckerman, K., **Hill, A. P.**, Guion, K., Voltolina, L., & Fombonne, E. (2014). Overweight and obesity: Prevalence and correlates in a large clinical sample of children with autism spectrum disorder. *Journal of Autism & Developmental Disabilities*, 44(7), 1708-1719. doi:10.1007/s10803-014-2050-9

van Santen, J. P. H., Sproat, R. W., & **Hill, A. P.** (2013). Quantifying repetitive speech in autism spectrum disorders and language impairment. *Autism Research*, 6(5), 372-383. doi:10.1002/aur.1301

Presmanes, A. G., Walden, T. A., Stone, W. L., & Yoder, P. J. (2007). Effects of different attentional cues on responding to joint attention in younger siblings of children with autism. *Journal of Autism & Developmental Disorders*, 37 (1), 133-144. doi:10.1007/s10803-006-0338-0

Zosuls, K. M., Martin, C. L., Ruble, D. N., Miller, C. F., Gaertner, B. M., England, D.E., & **Hill, A. P.** (2011). 'It's not that we hate you': Understanding children's gender attitudes and expectancies about peer relationships. *British Journal of Developmental Psychology*, 29, 288-304. doi:10.1111/j.2044-835X.2010.02023.x

McCabe, D. P., **Presmanes, A. G.,** Robertson, C. L., & Smith, A. D. (2004). Item-specific processing reduces false memories. *Psychonomic Bulletin & Review*, 11, 1074-1079. doi:10.3758/BF03196739

CHAPTERS IN EDITED COLLECTIONS

Hill, A. P., Zuckerman, K., & Fombonne, E. (2016). Epidemiological studies of autism and pervasive developmental disorders. In McDougle (Ed.), *Primer on Autism Spectrum Disorder*. Oxford University Press.

Hill, A. P., Zuckerman, K., & Fombonne, E. (2015). Epidemiology of autism spectrum disorders. In Robinson-Agramonte (Ed.), *Translational Approaches to Autism Spectrum Disorder*. Springer: NY, pp. 13-38.

Hill, A. P., Zuckerman, K., & Fombonne, E. (2014). Epidemiological studies of autism and pervasive developmental disorders. In F. Volkmar (Ed.), *Handbook of autism and pervasive developmental disorders* (4th edition). New York: Wiley & Sons.

Hanish, L. D., **Hill, A. P.,** Gosney, S., Fabes, R., & Martin, C. (2011). Girls, Boys, and Bullying in Preschool: The Role of Gender in the Development of Bullying. In D. Espelage & S. Swearer (Eds.), *Bullying in North American schools* (2nd ed.). NY, NY: Routledge.

NON-PEER-REVIEWED PUBLICATIONS

Hill, A. P., Zuckerman, K., & Fombonne, E. (2016). Challenges and options for estimating the prevalence of autism in population surveys. Paper commissioned by the *National Academy of Sciences*.

Hill, A. P., & Fombonne, E. (2014). Epidemiology of autism spectrum disorders. *Cutting Edge Psychiatry in Practice*.

HONORS AND AWARDS

2008 – 2010	Sanford Fellow, School of Social & Family Dynamics, Arizona State University
2008	Julius Seeman Award, Department of Psychology & Human Development, Vanderbilt University
2007	Susan Gray Award, Department of Psychology & Human Development, Vanderbilt University
2007	Graduate Travel Grant, Vanderbilt University
2006	David Zeaman Award, Gatlinburg Conference on Research & Theory in Intellectual & Developmental Disabilities

2005 Peabody College Travel Grant, Vanderbilt University
2003 – 2008 Graduate Honors Fellowship, Vanderbilt University
2003 – 2006 NIH/NICHD Ruth L. Kirschstein National Research Service Award

RESEARCH SUPPORT

2017 – 2022 Role: Co-Principal Investigator (independently wrote proposal; 9th percentile score on 1st submission); NIDCD R01: *Automated Measurement of Language Outcomes for Neurodevelopmental Disorders*.

2015 – 2020 Role: Co-Principal Investigator (contributed to proposal); NIDCD R01: *Automatic Voice-Based Assessment of Language Abilities*.

2015 – 2017 Role: Co-Principal Investigator (independently wrote proposal); NIH/NIDCD R01 Administrative Supplement with the Office of Research on Women's Health: *Computational Characterization of Language Use in Females and Males with Autism Spectrum Disorder*.

2015 – 2017 Role: Principle Investigator (independently wrote proposal); Oregon Clinical & Translational Research Institute Catalyst Award: *An automated multi-modal tool for quantifying the autism phenotype*.

2013 – present Role: Investigator (Eric Fombonne, PI); Autism Speaks Autism Treatment Network/Autism Intervention Research Network on Physical Health: *Overweight and obesity in ASD: Prevalence, correlates, and predictors of weight changes over time*.

2012 – present Role: Investigator (Damien Fair, PI); NIH/NIMH R01: *Characterizing mechanistic heterogeneity across ADHD and ASD*.

2011 – present Role: Investigator (Jan van Santen, PI); NIH/NIDCD R01: *Computational characterization of language use in ASD*.

2003 – 2007 Role: Graduate Research Assistant & Data Coordinator (Wendy Stone, PI); NIH/NICHD R01: *Early social orienting in siblings of children with ASD*.

2003 – 2006 Role: Predoctoral Fellow (Tedra Walden, PI); NIH/NICHD National Research Service Award T32 HD07226: *Research Behavioral Training in Developmental Disabilities*.

CONFERENCES

POSTERS

Myers, J. M., Renda, M., **Hill, A. P.**, van Santen, J., Snider, B., Fombonne, E., Bedrick, S., & Song, X. (May, 2016). *Developing a novel outcome measure for children with autism*. Poster presented at the annual OHSU Research Week. Portland, Oregon.

Hill, A. P., Zuckerman, K., & Fombonne, E. (May, 2015). *Elevated prevalence of overweight and obesity among children with autism spectrum disorders*. Poster presented at the annual International

Meeting for Autism Research (IMFAR). Salt Lake City, Utah.

Hall, T., **Hill, A. P.**, & Fombonne, E. (May, 2015). *Associations of Health Related Quality of Life and Adaptive Skills Functioning in Children Diagnosed with ASD: Implications for Treatment Planning*. Poster presented at the annual International Meeting for Autism Research (IMFAR). Salt Lake City, Utah.

Hawkey, E., Demeter, D., Cary, P., Earl, E., Greiser Painter, J., Langhorst, M., Kriz, D., **Hill, A. P.**, Fombonne, E., Nigg, J., & Fair, D. (June, 2015). *Uncovering distinct neural networks through community detection in children with autism*. Poster presented at the Organization for Human Brain Mapping conference. Honolulu, HI.

Duvall, S., Huang-Storms, L., **Hill, A. P.**, & Fombonne, E. (2015). *Examining sex differences in cognition and phenotype in young children with autism spectrum disorders*. Presented at the annual meeting of the International Neuropsychological Society. Denver, Co.

Hill, A. P., Zuckerman, K., Asplund, K., & Fombonne, E. (May, 2014). *Prevalence of obesity in Autism Spectrum Disorders and associated risk factors*. Poster presented at the annual meeting of the Pediatric Academic Societies. Vancouver, BC.

Hill, A. P., Zuckerman, K., Asplund, K., & Fombonne, E. (May, 2014). *Prevalence of obesity in Autism Spectrum Disorders and associated risk factors*. Poster presented at the annual International Meeting for Autism Research (IMFAR). Atlanta, GA.

Hagen, A., **Hill, A. P.**, Zuckerman, K., & Fombonne, E. (May, 2014). *Comparison between black and white children included in the Autism Treatment Network registry*. Poster presented at the annual International Meeting for Autism Research (IMFAR). Atlanta, GA.

Duvall, S., Huang-Storms, L., Knoble, N., Fombonne, E. & **Hill, A. P.** (May, 2014). *Few sex differences found in cognitive ability in children with ASD*. Poster presented at the annual International Meeting for Autism Research (IMFAR). Atlanta, GA.

Grantz, C., **Hill, A. P.**, Fombonne, E., Fair, D., Nigg, J., & van Santen, J. (May, 2014). *Attention problems in ASD: Cognitive and behavioral correlates*. Poster presented at the annual International Meeting for Autism Research (IMFAR). Atlanta, GA.

Huang-Storms, L., Duvall, S., Knoble, N., **Hill, A. P.**, & Fombonne, E. (May, 2014). *No sex differences found in autism phenotype as measured by the ADOS in young children with ASD*. Poster presented at the annual International Meeting for Autism Research (IMFAR). Atlanta, GA.

Knoble, N. B., Duvall, S., Huang-Storms, L., **Hill, A. P.**, & Fombonne, E. (May, 2014). *Sex differences in internalizing symptoms in young children with ASD*. Poster presented at the annual International Meeting for Autism Research (IMFAR). Atlanta, GA.

Rouhizadeh, M., van Santen, J., Sproat, R., Gorman, K., Heeman, P., **Hill, A. P.**, Bedrick, S., Prud'hommeaux, E., & Kiss, G. (May, 2014). *Children's differing patterns of discourse marker use in ASD and typical development*. Poster presented at the annual International Meeting for Autism Research (IMFAR). Atlanta, GA.

van Santen, J., Kain, A., **Hill, A. P.**, Prud'hommeaux, E., Ludovise, R., Conway, C., Keepers, G., &

Fombonne, E. (May, 2014). *Measurement of crossmodal integration of expressive affect communication in autism*. Poster presented at the annual International Meeting for Autism Research (IMFAR). Atlanta, GA.

Duvall, S. W., Knoble, N., Huang-Storms, L., **Hill, A. P.**, & Fombonne, E. (February, 2014). *Examining sex differences in autism spectrum disorder*. Poster presented at the annual meeting of the International Neuropsychological Society. Seattle, WA.

Hill, A. P., van Santen, J., Ludovise, R., & Conway, C. (April, 2013). *Effects of language impairment on measures of autistic symptomatology*. Poster presented at the biennial meeting of the Society for Research in Child Development.

van Santen, J., Langhorst, B. H., **Hill, A. P.**, Conway, C., Sanger-Hahn, R., Keepers, G., Parmer, M., . . . Kiss, G. (May, 2013). *A computerized interactive game for remediation of prosody in children with autism*. Poster presented at the annual conference of the International Society for Autism Research.

Hagen, A. D., Kriz, D. J., Duvall, S. W., Ettinger, D., Green C., **Hill, A. P.**, Freeman, K., . . . Fombonne, E. (May, 2013). *Aggressive behaviors in ASD: Prevalence and correlates in a large clinical sample*. Poster presented at the annual conference of the International Society for Autism Research.

Presmanes, A. G., Malesa, E. E., Walden, T. A., Yoder, P. J., & Stone, W. L. (April, 2007). *Responding to joint attention for novel and familiar objects in younger siblings of children with autism spectrum disorders*. Poster presented at the biennial meeting of the Society for Research in Child Development. Boston, MA.

Presmanes, A. G., Walden, T. A., Stone, W. L. & Yoder, P. J. (March, 2006). *Responding to joint attention in younger siblings of children with autism*. Poster presented at the annual Gatlinburg Conference on Research in Intellectual & Developmental Disabilities. San Diego, CA.

Presmanes, A. G. & Walden, T. A. (October, 2005). *Emotional expression & joint attention: The influence of affect on language learning*. Poster presented at the biennial meeting of the Cognitive Development Society. San Diego, CA.

PAPERS PRESENTED

Fabes, R., **Hill, A. P.**, & Gaertner, B. M. (November, 2009). *Considering the role of gender in organizing preschoolers' learning environments*. Paper presented at the annual conference for the National Association for the Education of Young Children. Washington, D.C.

TEACHING

OREGON HEALTH & SCIENCE UNIVERSITY (Graduate)

Probability & Statistics for Scientists & Engineers	Yearly (Instructor)
Principles & Practices of Data Visualization	Yearly (co-Instructor)
Data Science Programming	Yearly (co-Instructor)
Empirical Research Methods	Fall 2013 (Instructor)
Cognitive Mechanisms of Language Acquisition	Winter 2012 (Instructor)

ARIZONA STATE UNIVERSITY (Undergraduate)

Human Development (Honors)

Fall 2009 (Co-Instructor)

VANDERBILT UNIVERSITY

Correlation & Regression (Graduate)

Spring 2007 (TA)

Developmental Psychology (Undergraduate)

Fall 2006 (TA)

SERVICE

REVIEWER

2015 – present Journal of Child Psychology & Psychiatry
2013 – present Journal of Autism & Developmental Disorders
2013 – present Autism Research
2013 – present PLOS ONE
2013 – present Autism Speaks: Autism Treatment Network
2013 Society for Research in Child Development 2013 Biennial Meeting-
Developmental Delay & Intellectual Disabilities Review Panel (Chair: Dr. Connie
Kasari)

DEPARTMENTAL SERVICE

Oregon Health & Science University

2013 Member, Dissertation Committee
2012 – present Member, Graduate Faculty of the OHSU School of Medicine
2012 – present Member, Student Practicum Committee
2012 Member, CSLU Graduate Program Committee

Arizona State University

2008 Undergraduate Professional Development Executive Committee

Vanderbilt University

2005 – 2006 Undergraduate Honors Thesis Committee Member

UNIVERSITY SERVICE

Oregon Health & Science University

2016 – present Member, OHSU Faculty Advancement & Development Committee
2012 Member, OHSU Biostatistics Course Planning Committee

Vanderbilt University

2008 – present Commodore Recruitment Program Alumni Member

PROFESSIONAL AFFILIATIONS

Society for Research in Child Development, International Society for Autism Research, Autism Treatment Network

INVITED LECTURES

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| 2016-08-04 | Invited Speaker, CSLU/CSEE Summer Seminar Series: <i>"Bootstrapping with R"</i> |
| 2016-06-22 | Invited Speaker, OHSU/IDD Oregon Research Center on Autism (ORCA) Seminar Series |
| 2016-06-10 | Invited Speaker, <i>"Code your graph."</i> Led 1-hour R ggplot workshop for OHSU's Data Jamboree series, presented by the Department of Computational Biology, the Library, and CSLU |
| 2016-02-12 | Invited Speaker (with Steven Bedrick), Reed College: <i>"What's in a word? Techniques for automating language analysis."</i> Led 1-hour workshop on using R and ggplot. |
| 2016-01-28 | Invited Speaker, OHSU IDD Psychology Research in Progress Seminar Series |
| 2015-09-14 | Invited Speaker, OHSU Health Services Research Group Seminar Series |
| 2015-06 | Invited Speaker, OHSU/IDD special series for invited guests from Kazakhstan: <i>"Autism research at OHSU"</i> |
| 2015-04 | Invited Speaker, OHSU/IDD Autism Awareness Month Webinar Series: <i>"An overview of autism research at OHSU"</i> |
| 2014-06-23 | Invited Speaker (with Eric Fombonne), <i>"Overweight and obesity in ASD: Prevalence, correlates, and predictors of weight changes over time,"</i> Autism Speaks/Autism Intervention Research Network Monthly Webinar Series |
| 2012 | Invited Speaker, <i>"Social Communication in Autism,"</i> Graduate Seminar on Autism, Portland State University |
| 2011 | Invited Speaker, Portland Walk for Autism Speaks Kick-off Event |

MEDIA INTERVIEWS

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| 2015-11-24 | <i>"Questions for Alison Hill: Understanding obesity in autism,"</i> Interview with Katie Moisse for Spectrum News (the online editorial site for the Simons Foundation Autism Research Initiative (SFARI))
[https://spectrumnews.org/opinion/q-and-a/questions-for-alison-hill-understanding-obesity-in-autism/] |
| 2015-11-23 | <i>"OHSU researchers find correlation between autism and obesity in kids,"</i> Interview with Portland Business Journal
[http://www.bizjournals.com/portland/blog/health-care-inc/2015/11/ohsu-researchers-find-correlation-between-autism.html] |
| 2015-11-22 | <i>"Autism linked to unhealthy weight in OHSU study,"</i> Interview with The Oregonian
[http://www.oregonlive.com/kiddo/index.ssf/2015/11/autism_linked_to_unhealthy_weight.html] |

2015-11-03 *"Weight gain a challenge for children with autism,"* Interview with Tara Haelle for Health Day [<https://consumer.healthday.com/cognitive-health-information-26/autism-news-51/putting-on-pounds-another-challenge-for-children-with-autism-704766.html>]