

Curriculum Vitae

ANNE B. ARNETT, PH.D.

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CONTACT INFORMATION

Address P.O. Box 357920
CHDD, University of Washington
Seattle, WA 98195
Email arnettab@uw.edu
Phone (206) 616-6929

ACADEMIC POSITIONS AND APPOINTMENTS

2018-present Pathway to Independence Postdoctoral Trainee, National Institute of Mental Health
2016-2018 Senior Fellow, Department of Psychiatry and Behavioral Sciences, University of Washington
2013-2015 Individual National Research Service Award Predoctoral Fellow, NIMH
2009-2016 Child Clinical Psychology Graduate Student, University of Denver

EDUCATION

Aug 2016 Doctor of Philosophy, Clinical Psychology, University of Denver
Advisor: Bruce Pennington, Ph.D.
2015-1016 APA Accredited Clinical Psychology Internship, Psychiatry and Behavioral Sciences, University of Washington and Seattle Children's Hospital
Feb 2011 Master of Arts, Clinical Psychology, University of Denver
Jun 2004 Bachelor of Arts, English & Creative Writing, Dartmouth College

PROFESSIONAL LICENSE

Licensed Clinical Psychologist, Washington State, PY60845601

SPONSORED RESEARCH

ACTIVE

K99 MH116064-01A1 (Pathway to Independence Award) 09/07/2018-08/31/2023

National Institute of Mental Health

University of Washington

Neurophysiologically Defined Subtypes of Attention Deficit Hyperactivity Disorder

Description: The goal of this project is to identify subtypes of ADHD among children using electrophysiology and neuropsychological testing. The training component of the award includes intensive mentorship on electrophysiology research methods.

Role: Principal Investigator

Direct Costs: \$1,001,60.00

COMPLETED

NIMH: F31 MH099749 (Pre-doctoral NRSA)

09/02/2013 – 09/01/2015

National Institute of Mental Health

University of Denver

Translational Study of the Development of Behavior Dysregulation in Youth

Description: The goal of this training grant was to examine development of comorbid hyperactivity/attention and conduct problem symptoms across childhood and adolescence. The training program focused on mastery of statistical modeling techniques, candidate gene-by-environment

interactions, analysis of longitudinal data, and execution of a multi-year project under the supervision of trainee-selected faculty mentors.

Role: Graduate Student Principal Investigator

Direct Costs: \$84,434.00

HONORS AND FELLOWSHIPS

2014	Harry Gollob Award for the best first-authored paper, University of Denver Psychology
2013	Graduate Studies Dissertation Fellowship, University of Denver
2012	Graduate Student Service Award, University of Denver
2010	Lawrence Miller Award, University of Denver
2009-2010	Graduate Studies Doctoral Fellowship, University of Denver

PUBLICATIONS AND PRESENTATIONS

REFEREED ARTICLES

1. **Arnett, A.B.**, Hudac, C., DesChamps, T., Cairney, B.E.*, Gerdts, J., Wallace, A.S., Bernier, R.A. & Webb, S.J. (In Press). Auditory perception is associated with implicit language learning and receptive language ability in autism spectrum disorder. *Brain and Language*.
2. **Arnett, A.B.**, Trinh, S., Bernier, R.A. (2018). The state of research on the genetics of autism spectrum disorder: methodological, clinical and conceptual progress. *Current Opinion in Psychology*, 27, 1-5.
3. **Arnett, A.B.** & Stein, M. (2018). Refining ADHD Treatment Choices: Invited Commentary. *The Lancet Psychiatry*, 5. doi: 10.1016/S2215-0366(18)30295-5.
4. **Arnett, A.B.**, Rhoads, C.L.*, Hoekzema, K., Turner, T.N., Gerdts, J., Wallace, A.S., Bedroisan-Sermone, S., Eichler, E.E. and Bernier, R.A. (2018). The autism spectrum phenotype in *ADNP* Syndrome. *Journal of Autism Research*.
5. Hudac, C.M., DesChamps, T.D., **Arnett, A.B.**, Cairney, B.E., Ma, R., Webb, S.J., & Bernier, R.A. (2018). Early enhanced processing and delayed habituation to deviance sounds in autism spectrum disorder. *Brain and Cognition*, 123, 110-119.
6. **Arnett, A.B.**, Cairney, B.E.*, Wallace, A.S., Gerdts, J., Turner, T., Eichler, E.A. & Bernier, R.A. (2018). Comorbid symptoms of inattention, autism & executive cognition in youth with putative genetic risk. *Journal of Child Psychology and Psychiatry*, 59(3), 268-276.
7. Peterson, R.L., **Arnett, A.B.**, Pennington, B.F., Byrne, B., Samuelsson, S. & Olson, R.K. (2017). Literacy Acquisition Influences Children's Rapid Automatized Naming. *Developmental Science*, 21(3), e12589.
8. **Arnett, A.B.**, Pennington, B.F., Peterson, R. L., Willcutt, E.G., DeFries, J., Olson, R.K. (2017). Explaining the sex difference in dyslexia. *Journal of Child Psychology and Psychiatry*, 58(6), 719-727.
9. **Arnett, A.B.**, Pennington, B.F., Young, J.F., Hankin, B.L. (2016). Links between within-person fluctuations in hyperactivity/attention problems and subsequent conduct problems. *Journal of Child Psychology and Psychiatry*, 57(4). DOI: 10.1111/jcpp.12466
10. Chang, Y. S., Gratiot, M., Owen, J. P., Brandes-Aitken, A., Desai, S. S., Hill, S. S., **Arnett, A. B.**, Harris, J., Marco, E. J., & Mukherjee, P. (2015). White matter microstructure is associated with auditory and tactile processing in children with and without sensory processing disorder. *Frontiers in Neuroanatomy*, 9, 169.
11. Blaha, R. Z., **Arnett, A.B.**, Kirkwood, M. W., Taylor, H. G., Stancin, T., Brown, T. M., & Wade, S. L. (2015). Factors influencing attrition in a multi-site randomized clinical trial following traumatic brain injury in adolescence. *Journal of Head Trauma Rehabilitation*, 30(3). doi: 10.1097/HTR.000000000000059
12. **Arnett, A.B.**, Pennington, B.F., Willcutt, E.G., DeFries, J., & Olson, R.K. (2014). Sex differences in ADHD symptom severity. *Journal of Child Psychology and Psychiatry*, 56(6). doi:10.1111/jcpp.12337

13. Chang, Y. S., Owen, J. P., Desai, S. S., Hill, S. S., **Arnett, A. B.**, Harris, J., Marco, E. J., & Mukherjee, P. (2014). Autism and Sensory Processing Disorders: Shared White Matter Disruption in Sensory Pathways but Divergent Connectivity in Social-Emotional Pathways. *PLoS one*, 9(7), e103038.
14. **Arnett, A.B.**, MacDonald, B., & Pennington, B. (2013). Cognitive and behavioral indicators of ADHD symptoms prior to school age. *Journal of Child Psychology and Psychiatry*, 54(12), 1284-1294. doi: 10.1111/jcpp.12104.
15. Owen, J.P., Marco, E.J., Desai, S., Fourie, E., Harris, J., Hill, S.S., **Arnett, A.B.**, & Mukherjee, P. (2013). Abnormal white matter microstructure in children with sensory processing disorders. *NeuroImage: Clinical*, 2, 844-853. doi:10.1016/j.nicl.2011.03.031.
16. **Arnett, A.B.**, Peterson, R.L., Kirkwood, M.K., Taylor, H.G., Stancin, T., Brown, T.M., & Wade, S.L. (2013). Behavioral and Cognitive Predictors of Educational Outcomes in Pediatric Traumatic Brain Injury. *Journal of International Neuropsychological Society*, 19, 881-889.
17. **Arnett, A.B.**, Pennington, B.F., Willcutt, E., Dmitrieva, J., Byrne, B., Samuelsson, S., & Olson, R. K. (2012). A Cross-Lagged Model of the Development of ADHD Inattention Symptoms and Rapid Naming Speed. *Journal of Abnormal Child Psychology*, 40(8), 1313-1326. doi: 10.1007/s10802-012-9644-5
18. **Arnett, A.B.**, Pennington, B.F., Friend, A., Willcutt, E., Byrne, B., Samuelsson, S., & Olson, R.K. (2012). The SWAN Captures Variance at Both the Negative and Positive Ends of the ADHD Symptom Dimension. *Journal of Attention Disorders*, 17(2), 152-162. doi:10.1177/1087054711427399

BOOK CHAPTERS

1. Siegel, B. & **Bernard, A.** (2009). The JumpStart Learning-to-Learn Model: Parent Training in Naturalistic Teaching for Children with Autistic Spectrum Disorders. In: C. Whalen (Ed.), *Generalization*. Baltimore: Paul Brookes Publishing.

MANUSCRIPTS UNDER REVIEW

1. Beighley, J.S., Hudac, C., **Arnett, A.B.**, Peterson, J.L., Gerdts, J., Wallace, A.S., Mefford, H., O'Roak, B.J., Eichler, E. & Bernier, R.A. (Under Review). Shared and Distinct Phenotypes among CHD8 and CHD8 Targets.

MANUSCRIPTS IN PREPARATION

1. Loy, K.* , **Arnett, A.B.**, Fox, E., & Bernier, R. A. (In Preparation). Disruptions to Wnt/ β -Catenin Signaling Genes in Autism Spectrum Disorder Are Moderated by Maternal Risk Factors.
2. **Arnett, A.B.**, McGrath, L., Pennington, B.F. & Willcutt, E. (In Preparation). *Etiological Subtypes in ADHD*.

*Denotes graduate or undergraduate mentee.

SELECTED PRESENTATIONS

1. **Arnett, A. B.**, Hudac, C., Beighly, J., Peterson, J. (2018, April). *Uncovering genetic subtypes of neurodevelopmental disorders*. Symposium to presented at the Gatlinburg Conference, San Diego, CA.
2. Li, A., **Arnett, A. B.**, Bernier, R. A., & Xu, L. (2018, June). *Lipidomics analysis of cultured human fibroblasts from individuals with autism spectrum disorders*. Poster presented at the ASMS Conference on Mass Spectrometry and Allied Topics, San Diego, CA.
3. **Arnett, A.B.**, McGrath, L., Pennington, B.F. & Willcutt, E. (2018, January). *Heritability of Neuropsychological Subtypes in ADHD*. Poster presented at the annual meeting of the American Professional Society of ADHD and Related Disorders, Washington, D.C.
4. **Arnett, A. B.**, Hudac, C. H., DesChamps, T., Gerdts, J., Wallace, A., Ma, R., Cairney, B. E., Webb, S. J. & Bernier, R. (2017, May). *Early Perceptual Processing of Nonwords Predicts Receptive and Expressive Language Abilities in Autism Spectrum Disorder*. Poster presented at the annual International Meeting for Autism Research, San Francisco, CA.

5. **Arnett, A. B.**, Pennington, B. F., Young, J. F. & Hankin, B. L. (2014, February). *Joint Developmental Trajectories of Conduct Problems and ADHD Symptoms in Adolescence*. Poster presented at the annual meeting of the International Neuropsychological Society, Seattle, WA.
6. **Arnett, A.**, Peterson, R., Pennington, B. F., Byrne, B., Samuelsson, S., & Olson, R. K. (2013, April). *Learning to Read Influences Children's Rapid Automatized Naming*. Poster presented at the annual meeting for the Society for Research in Child Development, Seattle, WA.
7. **Arnett, A.**, Peterson, R., Kirkwood, M., Taylor, G., Stancin, T., Brown, T. & Wade, S. (2012, September). *Behavioral Executive Dysfunction as a Mediator of Injury Severity and Educational Outcomes in Pediatric TBI*. Poster presented at the 10th Annual Conference of the North American Brain Injury Society, Miami, FL.
8. **Bernard, A.**, Pennington, B. F., Willcutt, E., Byrne, B., & Olson, R. K. (2011, February). *Which Came First: The Slow-to-Process Chicken or the Inattentive Egg? A Cross-Lagged Study of the Relation between Rapid Naming Speed and Attention*. Poster presented at the annual meeting for the International Neuropsychological Society, Boston, MA.
9. MacDonald, B., **Bernard, A.**, Boada, R., Pennington, B. F., Filipek, P., Filley, C., DeFries, J. C., & Olson, R. K. (2011, February). *The gray/white (GW/WM) matter ratio as a marker of brain development: Developmental and individual differences in brain maturation*. Poster presented at the annual meeting for the International Neuropsychological Society, Boston, MA.
10. Hill, S., Findlay, A., Honma, S., **Bernard, A.**, Hinkley, L., Nagarajan, S., Marco, E. (2010, May). *Auditory Evoked Fields Abnormalities in Children with Sensory Processing Differences Using Magnetoencephalographic Imaging (MEG-I)*. Poster presented at the annual International Meeting for Autism Research, Philadelphia, PA.
11. **Bernard, A.**, Ihle, E., Marco, E., Sendowski, T., & Siegel, B. (2010, May). *Differential or Co-Morbid Diagnoses? Asperger's and PTSD in a Pre-Schooler [Part II]*. Poster presented at the 2010 IMFAR International Meeting for Autism Research, Philadelphia, PA.
12. Marco, E., Hill, S., **Bernard, A.** Findlay, A., Honma, S., Hinkley, L., Nagarajan, S. (2010, May). *Children with Sensory Processing Differences Show Atypical Connectivity using Magnetoencephalography Imaging (MEG-I)*. Poster presented at the annual International Meeting for Autism Research, Philadelphia, PA.
13. **Bernard, A.**, Pennington, B.P., Willcutt, E., Byrne, B. and Olson, R.K. (2010, January). *What Can We Gain by Measuring Good Attention?* Poster presented at the Institute for Behavioral Genetics conference on Executive and Experiential Influences on Executive Function, Boulder, CO.
14. **Bernard, A.**, Marco, E., & Siegel, B. (2009, May). *Differential or Co-Morbid Diagnoses? Asperger's and PTSD in a Pre-Schooler*. Poster presented at the annual International Meeting for Autism Research, Chicago, IL.
15. **Bernard, A.**, Ghosh-Ippen, C. & Lieberman, A.F. (2009, March). *Identifying Language Vulnerabilities in Young, Trauma Exposed Children Through Five-Minute Free Play Assessments With a Caregiver*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Denver, CO.
16. **Bernard, A.** (2007, October). *Prevalence, Effects and Treatment of Trauma in Young Children*. Oral presentation at Kiwanis Club of Reno monthly meeting, Reno, NV.

TEACHING AND SUPERVISION

AREAS OF INTEREST & EXPERTISE

- Developmental cognitive neuroscience
- Neuropsychological assessment
- Parent training and behavior management for childhood externalizing disorders
- Assessment, treatment and etiology of Autism Spectrum Disorder
- Behavioral and molecular genetics

- Advanced statistics: structural equation modeling, hierarchical linear modeling, latent class analysis, growth modeling
- Electrophysiology research methods

COURSES TAUGHT

2016-2018 University of Washington

Guest Lecturer, Education Psychology 577: *Neuropsychology of ADHD*
Guest Lecturer, Research in Psychology 499: *Explaining the Sex Difference in ADHD*
Workshop Discussant, Biomedical Research Integrity Program: *Issues in Authorship*

2011-2014 University of Denver

Guest Lecturer, Honors Psychology: *Growth Modeling Child Externalizing Traits*
Guest Lecturer, Developmental Psychopathology: *Diagnosing Autism*

CLINICAL SUPERVISION

2016-current University of Washington

Post-Doctoral Mentored Clinical Supervisor, Bernier Laboratory

2011-2013 University of Denver Psychology Department

Clinic Assistant and Peer Supervisor, Developmental Neuropsychology Clinic

RESEARCH SUPERVISION

2016-current University of Washington

Post-Doctoral Research Supervisor (graduate and undergraduate students), Bernier Laboratory

2011-2013 University of Denver

Pre-Doctoral Research Supervisor to undergraduate students, Department of Psychology

OTHER PROFESSIONAL ACTIVITY

PEER REVIEWING AND PROFESSIONAL MEMBERSHIPS

Journal Reviews: *Psychological Bulletin*, *Journal of Child Psychology & Psychiatry*, *Adolescent Psychiatry*, *Current Pediatric Research*, *Journal of Autism Research*, *Child Development Perspectives*, *Biological Psychiatry*, *Journal of the International Neuropsychological Society*, *Journal of Clinical Child and Adolescent Psychology*, *Journal of Attention Disorders*

Review of Abstracts: International Neuropsychological Society

Professional Memberships: *Society for Research on Child Development*, *Washington Psychological Society*, *The American Professional Society of ADHD and Related Disorders*

RESEARCH EXPERIENCE

2016-current Senior Fellow, Psychiatry & Behavioral Sciences

University of Washington, Seattle, WA
PI: Raphe Bernier

2009-2013 Case Manager, Colorado Learning Disabilities Research Center

University of Denver Department of Psychology, Denver, CO
PI: Bruce F. Pennington, Ph.D.

2010-2013 Research Assistant, Genes, Environment and Mood Study

University of Denver Department of Psychology, Denver, CO
PI: Benjamin Hankin, Ph.D.

2012-2013 Research Assistant, Department of Rehabilitation
Children's Hospital Colorado, Aurora, CO
PI: Mike Kirkwood, Ph.D.

2008-2009 Research Coordinator, Autism and Neurodevelopment Center
University of California, San Francisco, CA
PIs: Elysa Marco, M.D. and Bryna Siegel, Ph.D.

2007-2008 Research Assistant, Child Trauma Research Project
University of California, San Francisco, CA
PIs: Alicia Lieberman, Ph.D., and Patricia Van Horn, Ph.D., J.D.

CLINICAL EXPERIENCE

2018-present Per Diem Psychologist, Seattle Children's Hospital
Seattle Children's Autism Center, Seattle, WA
PEARL Clinic, Seattle, WA

2016-2018 Postdoctoral Clinician, Department of Psychiatry and Behavioral Medicine
Bernier Laboratory & Center on Human Development and Disability, University of Washington, Seattle, WA
Supervisors: Raphael A. Bernier, Ph.D. and Arianne S. Wallace, Ph.D.

2015-2016 Psychology Resident, Department of Psychiatry and Behavioral Medicine
Seattle Children's Hospital, Seattle, WA
Program Director: Elizabeth McCauley, PhD

2012-2013 Extern, Neuropsychology Clinic
Children's Hospital Colorado Neurology Department, Aurora CO
Supervisors: Richard Boada, Ph.D., Jennifer Janusz, Psy.D., Greta Wilkening, Psy.D.

2012-2013 Graduate Trainee, Developmental Neuropsychology Clinic
University of Denver Psychology Department, Denver CO
Supervisors: Bruce F. Pennington, Ph.D. and Robin L. Peterson, Ph.D.

2011-2013 Graduate Trainee, Clinic for Child and Family Psychology
University of Denver Psychology Department, Denver CO
Clinic Director: Stephen R. Shirk, Ph.D.

2009-2013 Case Manager, Colorado Learning Disabilities Research Project
University of Denver, Denver CO
Supervisor: Bruce F. Pennington, Ph.D.

2011 Assessment Therapist, Kindergarten Readiness Project
Boulder Institute for Psychology and Research, Boulder, CO
Supervisor: Cynthia Divino, Ph.D.

2007-2009 Clinic Coordinator, Autism & Neurodevelopment Clinic
Langley Porter Psychiatric Institute, UCSF, San Francisco, CA
Supervisors: Bryna Siegel, Ph.D. and Lin Cerles, Ph.D.