Dr. Hayley Arnold

Assistant Professor
HS
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Education

Ph.D., Speech-Language Pathology **2007**
Vanderbilt University

Dissertation Title: Emotional reactivity, regulation and childhood stuttering: A behavioral, electrophysiological study.

M.S., Communication Sciences and Disorders **2000**
James Madison University

B.S., Psychology **1997**
The College of William and Mary

Higher Education Work Experience

Assistant Professor **8/2010 - present**
Kent State University

Postdoctoral Scholar **7/2007 - 6/2010**
Purdue University

Other Professional Experience

Stuttering Disorders Consultant **3/2006 - present**

Provide instruction to speech-language pathologists in evaluation and treatment of stuttering in preschool and school-aged children.

Research Assistant, Teaching Assistant and Clinical Supervisor **8/2002 - 5/2007**
Vanderbilt University, Nashville, TN

Medical Speech-Language Pathologist and Clinical Supervisor **8/2001 - 8/2002**

Harrisonburg Health and Rehabilitation Center, Harrisonburg, VA

Speech-Language Pathologist and Clinical Fellow **5/2000 - 8/2001**

Winchester Speech Pathologists, Winchester, VA

Graduate Research Assistant **8/1999 - 5/2000**

James Madison University, Harrisonburg, VA and Walter Reed Army Medical Center, Washington, DC

Publications

Li, J. & Arnold, H.S. (accepted). Reactions of teachers versus non-teachers toward people who stutter.*Journal of Communication Disorders.* 2015

Publication: *Journal Articles, Refereed*

Arnold, H.S., Li, J., & Goltl, K. (2015). Beliefs of teachers versus non-teachers toward people who stutter.*Journal of Fluency Disorders*, 43, 28-39. 2015

Publication: *Journal Articles, Refereed*

Arnold, H.S., MacPherson, M., Smith, A. (2014). Autonomic correlates of speech versus non-speech tasks in children and adults. *Journal of Speech-Language and Hearing Research, 57*, 1296–1307. 2014

Publication: *Journal Articles, Refereed*

Weber-Fox, C., Hampton-Wray, A., & Arnold, H.S. (2013). Early childhood stuttering and electrophysiological indices of language processing. Journal of Fluency Disorders, 38, 206-221. 2013

Publication: *Journal Articles, Refereed*

Arnold, H.S., Conture, E.G., Key, A.F., & Walden, T.A. (2011). Emotional reactivity, regulation and childhood stuttering: A behavioral, electrophysiological study.*Journal of Communication Disorders, 44, 276-293.* 2011

Publication: *Journal Articles, Refereed*

Conture, E.G., Walden, T.A., Arnold, H.S., Graham, C.G., Hartfield, K.N., Karrass, J. (2006). Communication-emotional model of stuttering. In N. Bernstein Ratner & J. Tetnowski (Eds.).*Stuttering research and practice; Volu Stuttering research and practice; Volume 2: Contemporary issues and approaches*Mahwah, NJ: Lawrence Erlbaum. 2006

Publication: *Book Chapters*

Karrass, J., Walden, T.A., Conture, E.G., Graham, C.G., Arnold, H.S., Hartfield, K.N. & Schwenk, K.A. (2006). Relation of emotional reactivity and regulation to childhood stuttering.*Journal of Communication Disorders, Journal of Communication Disorders, 39*,402-423. 2006

Publication: *Journal Articles, Refereed*

Arnold, H.S., Conture, E.G., & Ohde, R.N. (2005). Phonological neighborhood density in the picture naming of young children who stutter: Preliminary study.*Journal of Fluency Disorders, 30*, 125-148. 2005

Publication: *Journal Articles, Refereed*

Presentations

Arnold, H.S. & Obringer, J. (2014, November). Stroop task performance in preschool-aged children who stutter. Poster presented at the annual meeting of the American Speech-Language-Hearing Association in Orlando, FL. 2014

Type: *National Refereed*

Arnold, H.S. (2013, March).Assessment with preschool, school-aged, and special populations who stutter. Seminar presented at the annual meeting of the Ohio Speech-Language-Hearing Association (OSHLA), Columbus, OH. 2013

Type: *State Invited*

Gragg, R.F. & Arnold, H.S. (2013, March). Validation of the Test of Childhood Stuttering (TOCS) in a school-age sample. Poster presented at the annual meeting of the Ohio Speech-Language-Hearing Association (OSHLA), Columbus, OH. 2013

Type: *State Refereed*

Collister, L. & Arnold, H.S. (2013, March). Autonomic correlates of speech and stuttering in children who stutter: Electrodermal responses. Poster presented at the annual meeting of the Ohio Speech-Language-Hearing Association in Columbus, OH. 2013

Type: *State Refereed*

Goltl, K.R. & Arnold, H.S. (2013, March). Attitudes of feachers versus non-teachers towards people who stutter. Poster presented at the annual meeting of the Ohio Speech-Language-Hearing Association in Columbus, OH. 2013

Type: *State Refereed*

Arnold, H.S. & Goltl, K.R. (2013, November). Attitudes of teachers versus non-teachers towards people who stutter. Poster presented at the annual meeting of the American Speech-Language-Hearing Association in Chicago, IL. 2013

Type: *National Refereed*

Arnold, H.S. (2013, July). Stuttering assessment with preschool-age children. Guest lecture presented for the Fluency Disorders class at the University of Akron. 2013

Type: *Local Invited*

Arnold, H.S. & Goltl, K. (2013, September). Attitudes of teachers versus non-teachers towards people who stutter. Research talk given at the first Stuttering Attitudes Research Symposium in Morgantown, WV. 2013

Type: *National Refereed*

Arnold, H.S. & Evans, J. (2012, October). Objective vs. subjective measures of stuttering severity in children. Seminar presented at the annual meeting of the Ohio School Speech Pathologists and Educational Audiology Coalition (OSSPEAC), Columbus, OH. 2012

Type: *State Refereed*

Arnold, H.S. (2012, March). Psychophysiological correlates of emotional processes in children who stutter. Research talk presented for the European Symposium on Fluency Disorders, Antwerp, Belgium. 2012

Type: *International Invited*

Arnold, H.S. & MacPherson, M.K. (2011, November). Autonomic correlates of speech and stuttering in children who stutter. Poster session presented at the annual meeting of the American Speech-Language-Hearing Association, San Diego, CA. 2011

Type: *National Refereed*

Arnold, H.S. (2011, March). Evaluation and treatment of children who stutter. Seminar presented for Stark County Speech-Language Pathologists, Canton, OH. 2011

Type: *Local Invited*

Arnold, H.S. (2010, October). *Preschool stuttering assessment and treatment.* Seminar presented at the annual meeting of the Ohio School Speech Pathologists and Educational Audiology Coalition (OSSPEAC), Columbus, OH. 2010

Type: *State Invited*

Arnold, H.S., MacPherson, M., & Smith, A. (2010, November). *Development of autonomic relations to speech fluency.* Poster session presented at the annual meeting of the American Speech-Language-Hearing Association, Philadelphia, PA. 2010

Type: *National Refereed*

Arnold, H.S. (2010, January) *Cortical correlates of emotions and linguistic processing in stuttering.* Invited paper presented at the annual Division 4 – Fluency and Fluency Disorders Leadership Conferencein Tampa, FL. 2010

Type: *National Invited*

Arnold, H.S. & Smith, A. (2009, November). *Autonomic correlates of stuttering in children.* Poster session presented at the annual meeting of the American Speech-Language-Hearing Association, New Orleans, LA. 2009

Type: *National Refereed*

Arnold, H.S., Hampton, A., Spruill, J.A., & Weber-Fox, C. (2008, November). *Phrase structure and semantic violation processing in young children who stutter: Electrophysiological evidence.* Poster session presented at the annual meeting of the American Speech-Language-Hearing Association, Chicago, IL. 2008

Type: *National Refereed*

Arnold, H.S., Ntourou, K., & Conture, E.G. (2007, November). *Relations of emotional reactivity and regulation to attitudes about talking in preschool children who stutter.* Poster session presented at the annual meeting of the American Speech-Language-Hearing Association, Boston, MA. 2007

Type: *National Refereed*

Arnold, H.S., Conture, E.G., Byrd, C.T., Key, A.F., Mathiesen, S.E., Coulter, C.E. (2006, July). *Phonological processing of young c* 2006
Phonological processing of young children who stutter: Preliminary behavioral/ERP findings. Paper presented at the 5th World Congress on Fluency Disorders, Dublin, Ireland.

Type: *International Refereed*

Arnold, H.S., Karrass, J., Conture, E.G., Walden, T.A., Williams, S. & Key, A.F. (2006, July). *Emotional reactivity and regulation in* 2006
*Emotional reactivity and regulation in young children who stutter: Preliminary brain activity and behavioral data.*Poster session presented at the 5th World Congress on Fluency Disorders, Dublin, Ireland.

Type: *International Refereed*

Service

Committee, Search Committee for two Speech-Language Pathology faculty **2014 - 2014**

Type: *Department*

Committee, School of Health Sciences Faculty Advisory Committee **2013 - 2014**

Type: *Department*

Reviewer, Language, Speech, and Hearing Services in Schools **2013 - present**

Type: *Profession*

Coordinator, Speech Pathology and Audiology Website **2012 - present**

Coordinate updates and improvements to the program website.

Type: *Department*

Judge, **2012 - 2012**

Served as faculty judge for the 27th Annual Graduate Research Symposium at Kent State University.

Type: *University*

Committee, Faculty Senate Committee on First Year Experience **2012 - 2012**

Agreed to serve at Provost Frank's request.

Type: *University*

Speaker, Local Chapter of National Student Speech-Language and Hearing Association **2011 - 2011**

Presented "Getting a Ph.D. in Speech, Language and Hearing Sciences" to Kent State graduate and undergraduate students.

Type: *Department*

Reviewer, School of Health Sciences Small Grant Committee **2011 - present**

Type: *Department*

Speaker, First Year Experience **2011 - 2011**

Spoke to First Year Experience Class about my career in Speech-Pathology and Audiology.

Type: *Department*

Speaker, **2011 - 2012**

Present 3-4 talks per year to rising freshman and their families as part of the Destination Kent State program.

Type: *College*

Chair, Ohio Speech-Language and Hearing Association **2011 - 2012**

Fluency disorders chair for the annual meeting of the Ohio Speech-Language and Hearing Association.

Type: *State*

Speaker, **2011 - present**

Presented to rising 9th graders regarding professions in speech-pathology and audiology.

Type: *Department*

Committee, Audiology Search Committee **2011 - 2013**

Served on two search committees seeking to hire a new audiology faculty member.

Type: *Department*

Committee, Research Council **2011 - 2013**

Type: *College*

Reviewer, Journal of Communication Disorders **2010 - present**

Type: *Profession*

Representative, College of Education, Health and Human Services **2010 - 2010**

Departmental representative for Homecoming 2010 Open House.

Type: *College*

Representative, **2010 - present**

Speak on behalf of or represent the Speech Pathology and Audiology department for university-wide events (e.g., Discovery Days).

Type: *Department*

Representative, **2010 - 2010**

Represented faculty at the College of Education, Health and Human Services Doctoral Forum Retreat.

Type: *College*

Reviewer, Journal of Fluency Disorders **2009 - present**

Type: *Profession*

Reviewer, Journal of Speech, Language, and Hearing Research **2008 - 2011**

JSLHR is the premier journal in our field.

Type: *Profession*

Grants

PI, Effect of exercise on speech fluency in children who stutter. **2015 - 2017**

The purpose of this project is to explore the short-term effects of a bout of exercise on speech fluency in children who stutter (CWS). School-age CWS and children who do not stutter (CWNS) will give a short speech after a bout of exercise on one day and after a sedentary condition on another day. We hypothesize that (a) speech disfluencies (e.g., stuttering and other disfluencies) will be less frequent after an exercise-induced decrease in autonomic arousal and (b) a correlation of this arousal with speech disfluencies. Findings will increase understanding of stuttering and point to potential interventions.

Collaboration with: PI: Hayley S. Arnold Co-PI: Jacob Barkley

Submitted: $4,994.00 Status: Awarded

Awarded: $4,994.00 (0 0)

College of Education, Health, and Human Services Research Council - Basic Research

PI, Autonomic arousal and inhibitory control in preschool-aged children who stutter **2011 - 2015**

Building from the earlier findings of Arnold, Conture, Key and Walden (2011), the proposed research aims to explore the relation of autonomic arousal and inhibitory control to speech disfluency in preschool-aged children who stutter. Three research questions will be addressed: (a) Do preschool-aged children who stutter (CWS) demonstrate less inhibitory control (i.e., the ability to suppress a dominant response) than children who do not stutter (CWNS)? (b) Is use of inhibitory control related to subsequent speech fluency in preschool-aged CWS and CWNS? (c) Is autonomic arousal, elicited through inhibitory control tasks, related to subsequent speech fluency in preschool-aged CWS and CWNS?

Collaboration with: Hayley S. Arnold

Submitted: $10,000.00 Status: Not Funded

American Speech-Language-Hearing Foundation - Basic Research