

# Karen L. Gallagher, Ph.D., CCC-SLP

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**Website:** <http://asuvcas.org/> (Veteran Cognition & Academic Success)

## **Education**

*Arizona State University, Tempe, AZ*  
Ph.D., Speech and Hearing Science, December 2017.

*University of Washington, Seattle, WA*  
M.S., Speech-Language Pathology, August 1998.  
B.S., Speech and Hearing Sciences, June 1996.

## **Academic Positions**

*Senior Postdoctoral Research Scholar, Global Sport Institute, Arizona State University,*  
July 2019 – present

*Adjunct Faculty, College of Health Solutions, Speech & Hearing Science Program, Arizona State*  
University, May 2019 - present

*Clinical Associate Professor, Department of Speech & Hearing Science, Arizona State*  
University, June 2010 – May 2019

*Director of the Office for Veteran Health Solutions, College of Health Solutions, Arizona State*  
University 2018-2019

*Research Consultant, Global Sport Institute, Arizona State University, 2018 - 2019*

## **Clinical Licensure & Certification**

American Speech-Language Hearing Association  
CCC-SLP 1999 – present

Arizona State Speech-Language Pathology Licensure  
2006 – present

## **Research & Scholarship**

### **Research Interests**

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My research focuses on establishing evidence-based assessment and interventions for higher-order cognitive processes and well-being in military veterans and athletes in the post-warrior and post-sport journey.

## Grants Awarded

Arizona State University Center for Sustainable Health: Observational Clinical Trial for Project HoneyBee (Year 3): *Assessing the feasibility and effectiveness of using a wearable health tracking device to identify Military Veterans at risk for service-related conditions*. **\$25,845**. PI: **K. Gallagher**, Co-PI: T. Azuma.  
Award period: Sept. 2016 – Aug. 2017.

Disabled Veterans National Foundation. *Veterans Cognition and Communication Program*. **\$4500**. Co-investigators: **K. Pittenger** and T. Azuma  
Award Period: Aug. 2014 – Jul. 2019.

Arizona Department of Veterans Services Small Grant Award. *Veteran Cognition and Academic Success*. **\$4170**. Co-investigators: **K. Pittenger** and T. Azuma.  
Award period: Aug. 2014 – Jul. 2015.

Institute of Humanities Research Grant Award. **\$12,000**. *Embodied Historiography: The Veterans Project*. Co-investigators: E. Hughes, B.Branch, and **K. Pittenger**.  
Award period: Jan. 2014 – Dec. 2014.

## Grants Submitted

Department of Defense: Psychological Health and Traumatic Brain Injury, Federal Interagency Traumatic Brain Injury Research Analysis Award. *The Impact of TBI and Concomitant Conditions on Cognitive Performance in Military Veterans and Civilians*. (2019) Total Requested Budget: \$645,842. Under Review. Co-Investigator: **K.L. Gallagher**.

Department of Defense: Peer Reviewed Medical Research Program Clinical Trial Award. *Living Strong: Resilience Skills Training for Civilian Transitions Challenges*. (2019) Total Requested Budget: \$4,903,058. Under review. Co-Principal Investigator: **K. L. Gallagher**.

College of Health Solutions: JumpStart Grant. *Goal-Directed Resilience Training for Military to Academic Transition: Environment x Biobehavioral Model for Transition Challenges*. (2018) Total Requested Budget: \$15,532. Unfunded grant proposal. Principal Investigator: **K.L. Gallagher**.

ASHFoundation Clinical Collaborative Research Grant. *Assessment of Working Memory and Speech Perception Deficits in Military Veterans with and without History of Mild Traumatic Brain Injury*. (2017) Total Requested Budget: \$50,000. Unfunded grant proposal. Co-Investigator: **K.L. Gallagher**.

Herberger Institute for Design and Arts. *Experiencing Dialogue: Contemporary Conversations on America at War*. (2017) Total Requested Budget: \$98,893. Unfunded grant proposal. Co-Investigator: **K.L. Gallagher**.

## Doctoral Dissertation

Gallagher, K. (2017). *Service-Related Conditions and Higher-Order Cognitive Processing in Military Veteran College Students*, ProQuest Dissertations and Theses.

### **Refereed Articles Published & In Press**

**Gallagher, K., & Azuma, T.** (2018). Analysis of Story Recall in Military Veterans with and without mTBI: Preliminary Results. *American Journal of Speech-Language Pathology*, 27, 485-494. DOI: 10.1044/2017\_AJSLP-16-0208

Green, L.B. & **Roth, K.L.** (2013). Increasing inferential reading comprehension skills: a single case treatment study. *Canadian Journal of Speech-Language Pathology and Audiology*. 37(3), 228-239.

### **Manuscripts Submitted or in Preparation**

**Gallagher, K. L., & Azuma, T.** (in prep). Memory Processing in Military Veterans with and without Mild Traumatic Brain Injury.

**Gallagher, K.L., & Azuma, T.** (in prep). Complex verbal and spatial working memory performance in military veterans with and without mTBI

### **Major Research Presentations** (\*student that I mentored or co-mentored)

**Gallagher, K.L.,** Ingram, K., Bacon, C. The Relationship Between Service-Related Conditions and Quality of Life in Female Military Veterans. Poster Presentation, International Neuropsychological Society Annual Meeting, New York City, 2019.

**Gallagher, K.L.,** Azuma, T., Bacon, C., Ingram K. Complex Verbal Working Memory in Military Veterans with and without mTBI. Poster, International Neuropsychological Society Annual Meeting, New York City, 2019.

Azuma, T., **Gallagher, K.L.,** Luo, X., Gallun, F. The Effects of Anxiety on Auditory and Visual Working Memory in Military Veterans. Poster Presentation, International Neuropsychological Society Annual Meeting, New York City, 2019.

**Gallagher, K.L.** Outcomes Related to Cognitive Coaching in Military Veteran College Students: A Pilot Study. Poster Presentation, American Speech-Language Hearing Association Convention, Boston, 2018.

**Gallagher, K.L.,** Azuma, T., \*McLaughlin, W. The Impact of Elicitation Procedures on Narrative Recall in Military Veterans. Poster Presentation, American Speech-Language Hearing Association Convention, Boston, 2018.

**Gallagher, K.L.,** Azuma, T., \*Tully, M. The Effect of Anxiety and Working Memory on Decision-Making Patterns in Young Military Veterans. Oral Presentation, American Speech-Language Hearing Association Convention, Los Angeles, 2017.

Azuma, T., **Gallagher, K.L.,** \*Tully, K. Performance on a Serial Updating Task in Military Veterans with and without History of Mild Traumatic Brain Injury. Oral Presentation, American Speech-Language Hearing Association Convention, Los Angeles, 2017.

**Gallagher, K.L.**, Azuma, T. Self-report of Cognitive and Anxiety Symptoms in Military Veteran and Non-veteran College Students with Mild Traumatic Brain Injury. Poster, Defense Centers of Excellence for Psychological Health and Traumatic Brain Injury Summit: Advances in the State of the Science and Best Practices, 2017.

Azuma, T., **Gallagher, K.L.** Self-Report of Cognitive and Anxiety Symptoms in Military Veterans and Non-veterans with and without Mild Traumatic Brain Injury. International Cognitive Communication Disorders Conference, Orange, CA, 2017.

**Gallagher, K.L.**, Azuma, T. Memory, and mTBI: Narrative Recall in Veterans with Mild Traumatic Brain Injury. Oral Presentation, American Speech-Language Hearing Association Convention, Philadelphia, 2016.

**Gallagher, K.L.**, Azuma, T. Analysis of Story Recall in Military Veterans with and without mTBI: Preliminary Results. Poster, Clinical Aphasiology Conference, Virginia, 2016.

**Gallagher, K.L.**, Azuma, T., Ingram K. Military Veteran Students With mTBI: Does Symptom Self-Report Predict Their Academic Success? Poster, American Speech-Language Hearing Association Convention, Denver, 2015.

**Gallagher, K.L.**, Azuma, T. Ingram K. Military Culture & Clinical Challenges: The Assessment of Military Veterans With Mild Traumatic Brain Injury. Technical Session, American Speech-Language Hearing Association Convention, Denver, 2015.

**Pittenger, K.L.**, Azuma, T., Ingram, K. Memory Performance in Military Veteran & Non-Veteran College Students: Preliminary Results. Poster, American Speech-Language Hearing Association Convention, Orlando, 2014. \* *Meritorious Poster Designation*

### **Invited Presentations**

**Gallagher, K.L.** (April 2019). Arizona Speech-Language Hearing Association Annual Convention. "Mild Traumatic Brain Injury: Current Research and Practice." Phoenix, Arizona.

**Gallagher, K.L.** (March 2019). Barrow Neurological Institute Traumatic Brain Injury Symposium. "Mild Traumatic Brain Injury in Military Veterans: Clinical Implications for Assessment and Treatment." Phoenix, Arizona.

**Gallagher, K.L.** (March 2019). Phoenix Veterans Affairs Healthcare System Continuing Medical Education Neurology/Traumatic Brain Injury Symposium. Service Related Conditions: Assessment and Treatment of Executive Dysfunction." Phoenix, Arizona.

**Gallagher, K.L.** (October 2018). Paradise Valley Unified School District Speech-Language Pathologist Fall Conference. "Mild TBI and Concussion: Current Research and Best Practice." Paradise Valley, Arizona.

## **Clinical Presentations & Publications**

- \*Meadows, E., & **Gallagher, K.L.** Outcomes of a Short Trial of Conversational Family Training for Aphasia: A Case Study. Poster, American Speech-Language Hearing Association Convention, Denver, 2015.
- \*Ludwig, C. & **Pittenger, K.L.** AAC for Improving Quality of Life in a Patient with Chronic Aphasia: A Case Study. Poster, American Speech-Language Hearing Association Convention, Orlando, 2014.
- \*Chambers, E., Reynolds, A., **Pittenger, K.L.** Overcoming Complex Communication Boundaries Using Script Training: A Case Study. Poster, American Speech-Language Hearing Association Convention, Orlando, 2014.
- Roth, K.**, Bacon, C., and Ingram, K., SLPs in Schools: A Comparison of Administrator & SLP Perspectives. Poster, American Speech-Language Hearing Association Convention, Chicago, 2013.
- Bacon, C., and **Roth, K.**, SLPA Certificate Program to Enhance Undergraduate Education. Poster, American Speech-Language Hearing Association Convention, Chicago, 2013.
- Roth, K.**, Stats-Caldwell, D., Ingram, K., Graduate Student Perceptions of Peer Review Benefits in Clinical Documentation. Poster, American Speech-Language Hearing Association Convention, Atlanta, 2012.
- Roth, K.**, \*Tsutsui, M., and \*Singer, S., Treating Aprosodia Secondary to TBI: Combining Imitative and Cognitive-Linguistic Approaches. Poster, American Speech-Language Hearing Association Convention, San Diego, 2011.
- Ingram, K., Bacon, C., and **Roth, K.**, Diagnostic Training Program for First-year Master's Students. Seminar, American Speech-Language Hearing Association Convention, San Diego, 2011.
- Green, L., and **McGehee, K.**, Promoting Outcome-Based Intervention: Practical Ideas for Practicing Clinicians. Seminar, American Speech-Language Hearing Association Convention, Miami, 2006.
- McGehee, K.**, Improving Reading Fluency: Phonological Awareness Training  
On-line Article, [Speechpathology.com](http://Speechpathology.com) 2004.
- Green, L., and **McGehee, K.**, Establishing Functional Reading Skills for a Student With Down Syndrome. Poster, American Speech-Language Hearing Association Convention, Philadelphia, 2004.

- Green, L., and **McGehee, K.**, Research to Practice & Practice to Research: The Ph.D./SLP Partnership. Poster, American Speech-Language Hearing Association Convention, Chicago, 2003.
- Green, L., and **McGehee, K.**, Morphological Intervention: Creating Meaning Makers & Successful Comprehenders. Poster, American Speech-Language Hearing Association Convention, Chicago, 2003.
- McGehee, K.**, Creative Scheduling for School-Based SLPs. Poster, American Speech-Language Hearing Association Convention, Chicago, 2003.
- McGehee, K.**, and Nehring, P., Improving Reading Fluency Using Phonological Awareness Training. Poster, American Speech-Language Hearing Association Convention, Chicago, 2003.
- McGehee, K.**, and Nehring, P., Collaborative IEP Writing: Beyond Related Services Advance for Speech Pathology 2003.
- McGehee, K.**, and Nehring, P., Collaborative IEP Writing: Beyond Related Services. Poster Presentation, American Speech-Language Hearing Association Convention, Atlanta, 2002.
- Green, L., and **McGehee, K.**, SLPs & Literacy: Bring In The CIA (Consultation, Integration, Application). Seminar, American Speech-Language Hearing Association Convention, Atlanta, 2002.
- Green, L., and **McGehee, K.**, Morphological Approach To Treating Spelling & Reading Deficits. Poster Presentation, American Speech-Language Hearing Association Convention, Atlanta, 2002.
- Green, L., and **McGehee, K.**, Treating Spelling and Reading Deficits Using A Morphological Approach. Poster Presentation, American Speech-Language Hearing Association Convention, Atlanta, 2002.
- Green, L., and **McGehee, K.**, Spelling and Reading Intervention Based on Remediation of Linguistic Errors. Poster Presentation, American Speech-Language Hearing Association Convention, New Orleans, 2001.
- Green, L., and **McGehee, K.**, Literal and Inferential Comprehension in Fourth Grade Readers: Effects of Readability and Answer Format. Poster Presentation, American Speech-Language Hearing Association Convention, Washington D.C., 2000.
- McGehee, K.**, Language, and Literacy: The SLP's Role. Spokane School District 6-hour CEU Course. 2000.
- Green, L., and **McGehee, K.** Influential Variables in 4<sup>th</sup> Graders' Literal and Inferential Reading Comprehension. Poster Presentation, American Speech and Hearing Association Convention, San Francisco, 1999.

Green, L., and **McGehee, K.** Teaching Reading Using a Systematic Functional Approach: A Case Study. Poster Presentation, American Speech and Hearing Association Convention, San Antonio, 1998.

### **Graduate Student Mentoring – Committee Member**

Kate McKenney (Current Ed.D. candidate, 5<sup>th</sup> year, Johns Hopkins University)

Rebekah Filippini (Master's degree awarded 2018)

### **Undergraduate Honors Theses (ASU Barrett, The Honors College) – Committee Member**

McKayla Tully Honors thesis completed May 2018  
*Thesis Title: Iowa Gambling Task and Stress in Military Veteran Students*

Kelly Allen Honors thesis completed May 2016  
*Thesis Title: Memory and Related Processes in Military Veteran Students*

### **Teaching Interests**

Traumatic Brain Injury, Right Hemisphere Syndrome, Dementia, Aphasia, Neurogenic Communication Disorders, Fluency, Motor Speech Disorders, Clinical Methods

### **Teaching Experience**

#### **Courses Taught as Primary Instructor:**

SHS 512 Medical Aspects of Speech-Language Pathology (2010 – 2019)  
SHS 581 Traumatic Brain Injury, Right Hemisphere Syndrome, & Dementia (2010 – present)  
SHS 473 Implementation of Treatment Plans – New Course (2010 – 2014)

#### **Courses Team Taught:**

SHS 105 Introduction to Communication Disorders (fluency disorders and TBI topics) 2010 - present  
SHS 580 Clinical Methods (2010 – present)  
SHS 580 Professional Issues (2010 – present)

#### **Courses Guest Lectured:**

SHS 584 Motor Speech Disorders (fluency disorders) 2010 - present

### **Clinical Program Development**

#### **Intensive Summer in Stuttering Treatment (InSiST)**

Established and supervised a summer intensive therapy program for adolescents and adults who stutter, providing a clinical training opportunity for speech-language pathology student clinicians in the Speech and Hearing Clinic at Arizona State University.

### **Veteran Specialty Clinic**

Trained graduate clinicians at Arizona State University to provide cognitive coaching to student veterans with a history of mild traumatic brain injury by establishing a grant-funded specialty clinic within the Speech and Hearing Clinic.

### **Academic Service**

#### **Professional Memberships**

American Speech-Language Hearing Association  
Academy of Neurologic Communication Disorders and Sciences  
ANCDS VA Speech-Language Pathology Residency Committee

#### **University Committees**

Military Academic Affairs Council (2017 – present)  
Office for Veteran and Military Academic Engagement (2016 – present)

#### **College of Health Solutions Committees**

Space Committee – 2019  
Executive Visioning Team – 2018

#### **Previous Departmental Service**

CEU Committee  
Awards Committee  
Speech-Language Pathology Assistant Program Admissions Committee

### **Awards**

Nomination for The Teaching Award for the 4<sup>th</sup> Annual College of Health Solutions Faculty Awards 2019  
Academy of Neurologic Communication Disorders and Sciences Student Travel Fellowship 2017  
Pat Tillman Scholar 2016  
National Institute on Deafness and Other Communication Disorders Student Travel Fellowship 2016  
American Speech-Language Hearing Foundation Graduate Scholarship 2015  
ASU Foundation Memorial Fund Scholarship 2014  
American Speech Language Hearing Association Student Research Travel Award 2014  
American Speech Language Hearing Association Meritorious Poster Submission 2014  
Desert Storm Scholarship 2013