

CURRICULUM VITAE

LAURIE J. SLOVARP, Ph.D., CCC-SLP

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CAREER GOALS

- Achieve preeminence as an authority in the field on refractory/unexplained chronic cough and associated upper airway disorders.
- Excel as an accomplished and respected educator and clinical researcher.
- Establish a continuous influx of extramural research funding and employ those resources to advance our understanding and clinical management of patients with refractory/unexplained chronic cough and related upper airway disorders.

EDUCATION

2015 Ph.D. Independent Interdisciplinary Studies, University of Montana
2000 M.S. Speech and Hearing Science, Arizona State University
1996 B.S. Psychology, Idaho State University

PROFESSIONAL AND CLINICAL EXPERIENCE

May '23 – present Consultant for Hyfe.AI

Aug '11 – present School of Speech, Language, Hearing and Occupational Sciences,
The University of Montana

- Assistant Professor (2011); Associate Professor (2018); Tenured (2021); Full Professor (2024)
- Instructor for graduate and undergraduate courses
- PhD Program Director (2024 to present)
- Clinical supervisor for voice, cough, and swallowing clinic at Rocky Mountain ENT Center

Jan '10 – Aug '11 Department of Communicative Sciences and Disorders,
The University of Montana

- Adjunct Professor
- Instructor for graduate and undergraduate courses
- Clinical supervisor

Jan '08 – Aug '12 Advanced Speech Therapy, Inc., Missoula, Montana

- President and owner
 - Contract speech therapy services to local and surrounding nursing homes and hospitals as well as provide out-patient dysphagia and voice therapy
- May '05 – Jul '16 Community Medical Center, Missoula, Montana
- PRN therapist, covering all adult communication and swallowing disorders in the acute, acute rehab, and outpatient setting
- May '05 – Sep '08 Evergreen Health and Rehabilitation, Western Montana
- Therapist for long-term care facilities and rural hospitals
- Aug '04 – May '05 Arizona State University Department of Speech and Hearing Sciences
- Clinical Assistant Professor
 - Instructor for graduate and undergraduate courses in acquired communication disorders
 - Clinical supervisor for adult communication disorders and voice disorders, including videostroboscopy
- Apr '04 – Apr '05 East Valley Speech Pathology Associates: Tempe, Arizona
- Acute and outpatient therapist at Chandler Regional Hospital and private office
 - Home Health Therapist
 - Intern supervisor for Arizona State and Northern Arizona State University
- Apr '03 – Mar '04 Community Medical Center: Missoula, Montana (as described above)
- Apr '00 – Mar '03 East Valley Speech Pathology Associates (as described above)
- May '02 – June '02 Arizona State University Department of Speech and Hearing Sciences
- Adjunct Professor
 - Instructor for Voice Disorders course.

TEACHING EXPERIENCE

Motor Speech Disorders (graduate), UM, fall 2023

Clinical Practicum (graduate), UM, every semester since spring 2010

Voice, Motor Speech, and Resonance Disorders (graduate), UM, fall semesters 2015-2021

Swallowing Disorders (graduate), UM, spring semesters since 2010-2019, 2021

Voice and Motor Speech Disorders (graduate), UM, fall semesters 2011 – 2014

Neuroanatomy and Physiology (undergraduate), UM, Spr 2011, Su 2012, Su 2014, Spr 2016, Su 2016, Su 2017, Su 2018, Spr 2019, Su 2019, Spr 2020

Neurocognitive Communication Disorders in Adults (graduate), UM, F 2010

Aphasia and Related Neurogenic Language Disorders (graduate), ASU, F 2004

Acquired Speech and Language Disorders (undergraduate/graduate), ASU, Spr 2005
Disorders of Voice (graduate), ASU, Su 2002

CERTIFICATIONS/HONORS

June 2021	John C. Widdecombe award at the American Cough Conference for best oral abstract
April 2020	Recognized by Davidson Honors College as a professor who made the most significant impact on an undergraduate
January 2019	6 th ASHA Award for Continuing Education
February 2016	ASHA Research Mentoring Network: Pathways Program Award
Jan '14 - Dec '18	Board Certified Specialist in Swallowing and Swallowing Disorders
September 2013	ASHA Protégé-Mentor Research Award
February 2011	Lee Silverman Voice Therapy
January 2009	Board Recognized Specialist in Swallowing and Swallowing Disorders
May 2003	UDS/FIM certified
November 2003	VitalStim dysphagia treatment certified

MANUSCRIPT PEER REVIEWS

PLOS One: Aug 2022

European Respiratory Journal: Aug 2023

Clinical Translational Medicine: Apr 2023

Folio Phoniatrica et Logopaedica: June 2023, May 2023

Therapeutic Advances in Respiratory Disease: Dec 2021, July 2021,

Lung: Sept 2021, August 2021, June 2021, May 2021, July 2020

American Journal of Speech, Language, Pathology: Aug 2022, Mar 2022, Jan 2022, July 2021

Journal of Voice: May 2023, July 2022, Jan 2022, Nov 2021, Oct 2021 (x2), Jan 2021, Oct 2020, Aug 2020, Nov 2020

Laryngoscope: June 2023, May 2023, June 2022, Jan 2022, Oct 2021

ASHA Swallowing Special Interest Group (SIG)13 Perspectives: June 2017, Mar 2017, Mar 2016

Dysphagia: Oct 2022, Mar 2022, Mar 2016, Nov 2014,

SCHOLARLY PRESENTATIONS, PUBLICATIONS, & RESEARCH

*Indicates student mentored project

Invited Presentations

- Birring, S., Smith, J., Satia, I., **Slovarp, L.**, Wijsenbeek, M. (2024, Nov). Cough: New Therapies. European Respiratory Society (ERS) Vision Live. Live webinar on the ERS Respiratory Channel. Studio based in Geneva.
- Slovarp, L.** Simpson, B., Goldberg, L., Sundar, K. (2024, Oct). Chronic Cough: Looking Beyond the Larynx. Fall Voice Annual Conference. Phoenix, AZ
- Slovarp, L.** (2024, June). Cough Suppression Therapy. 6th International ILO, Upper and Lower Airway Conference: The Concept of One Airway. Pittsburgh, PA
- Slovarp, L.** (2024, May). Behavioral Cough Suppression Therapy. Guest lecture for Pulmonary Fibrosis Foundation. Virtual
- Slovarp, L.** (2024, Feb). Refractory/Unexplained Chronic Cough: The Crucial Role of the SLP. Sin City Laryngology, 40-minute oral presentation, Las Vegas, NV
- Slovarp, L.** (2024, Feb). Treatment for Refractory Chronic Cough. Sin City Laryngology, 40-minute oral presentation, Las Vegas, NV
- Slovarp, L.** Sandage, M. (2023, Nov). Advanced Topics in Behavioral Assessment and Management of Upper Airway Disorders. American Speech-Language-Hearing Association Annual Convention, two-hour oral presentation, Boston, MA,
- Slovarp, L.** (2023, July). *Behavioral Cough Suppression Therapy*. Hyfe Cough Science Forum, virtual oral presentation.
- Slovarp, L.** (2023, June). *The Role of the SLP in Refractory Chronic Cough*. American Cough Conference, oral presentation, Reston, VI.
- Slovarp, L.** (2023, January). *Chronic Cough – Optimizing Evaluation and Management*. Oral presentation, Ultimate Colorado Midwinter Meeting, Vail, CO.
- Slovarp, L.** (2023, January). *Chronic Cough – The Science Behind the Scenes*. Oral presentation, Ultimate Colorado Midwinter Meeting, Vail, CO.
- Slovarp, L.** (2023, January). *Refractory Chronic Cough and Behavioral Cough Suppression Therapy*. Web-based in-service for Center for Voice and Swallowing Disorders, Department of Otolaryngology – Head and Neck Surgery, Wake Forest, NC.
- Gao, W., Madden, L., **Slovarp, L.**, Dicipinigitis, P. (2022, October). *Interdisciplinary Management of Chronic Refractory Cough*. Flex Otolaryngology Live Cough Webinar.
- Slovarp, L.** (2022, September). *Refractory Chronic Cough and Behavioral Cough Suppression Therapy*. Web-based in-service for University of Pittsburg Department of Communication Sciences.
- Slovarp, L.** (2021, October). *Treating Hypertussive Cough: From Chronic Cough to PVFM*. Oral presentation, Fall Voice annual conference, Miami, FL.
- Slovarp, L.** (2021, June). *The role of the Speech-Language Pathologist in the evaluation and management of chronic cough*. Virtual oral presentation, American Cough Conference.
- Slovarp, L.** Carroll, T. (2020, November). Proposal Number: 20111. *Current State of the Art and Future Directions in the Treatment of Cough*. Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).
- Slovarp, L.** (2020, October). *Behavioral Therapy for Refractory Chronic Cough: What we know. What we think we know. What we want to know*. Fall Voice conference (virtual).
- Slovarp, L.** (2020, May). *Behavioral Cough Suppression Therapy*. 1-hour CEU course provided by Therapy Insights.
- Slovarp, L.** (2019, April). *Refractory Chronic Cough and the Role of Behavioral Cough Therapy*. Oral presentation, UM Health Seminar.
- Slovarp, L.** (2019, February). *Refractory Chronic Cough and the Role of Behavioral Cough Suppression Therapy*. Oral presentation, Big Sky ENT Annual meeting, Big Sky, MT
- Slovarp, L.** (2018, October). *Behavioral voice evaluation for the irritable larynx*. Oral presentation, Fall Voice annual conference, Seattle, WA.

- Slovarp, L.** (2018, June). *Refractory Chronic Cough and the Role of Behavioral Cough Suppression Therapy*. Oral presentation, Rocky Mountain ENT Clinic, Missoula, MT
- Slovarp, L.** (2017, June). *Behavioral Cough Suppression Therapy for Patients with Refractory Chronic Cough*. Oral presentation, Utah Otolaryngology Update, Salt Lake City.
- Slovarp, L.** (2017, May). *Refractory Chronic Cough and the Role of Behavioral Cough Suppression Therapy*. Oral presentation, Friday Medical Conference, Missoula, MT.
- Slovarp, L.** (2017, May). *Development of the Montana Screen for Behavioral Cough Suppression Therapy*. Oral presentation, Clinical Translational Research and Infrastructure Network (CTRIN). Annual Convention, Las Vegas.
- Slovarp, L.** (2017, February). *“Not Another Cough Patient” Said No SLP Ever*. Oral presentation, 12th Annual Advanced Practices in Voice and Dysphagia, Las Vegas.
- Slovarp, L.** (2015, October). *Critical Appraisal of Research; NMES: Current State of the Evidence, Unanswered Questions, Concerns; PVFD/VCD and Chronic Cough: Related Disorders?; Functional Voice Disorders: Review of Primary and Secondary MTD; Principles of Strength Training as they Apply to Dysphagia Therapy*. Oral presentation, Montana Speech and Hearing Association Annual Convention: Billings, MT.
- Slovarp, L.** (2013, October). *Prophylactic Swallowing Intervention for Patients with Head and Neck Cancer Treated with Chemoradiation Therapy*. Oral presentation, Montana Speech and Hearing Association Annual Convention, Bozeman, MT.
- Slovarp, L.** (2012, August). *Swallowing Disorders: A Review of General Practices for Assessment and Intervention*. Oral presentation, Montana Speech and Hearing Association Summer Institute, Missoula, MT.
- Slovarp, L.** (2012, March). *Voice and Swallowing Therapy for Patients with Parkinson’s Disease Symposium*, Kalispell, MT
- Slovarp, L.** Elliot, S. (2007, April). *Dysphagia and Acquired Brain Injury, Aspiration Pneumonia: How Important is Dysphagia; Oral Care: How It Relates to Aspiration Pneumonia and Best Practice; Free Water Protocols; Dysphagia Myths and Misconceptions*. Oral presentation, 15th Annual Northern Rockies Rehabilitation Symposium, Missoula, MT

Peer-Reviewed Presentations

- Reynolds, J., **Slovarp, L.**, Heinle, Kassidi, Jette, M., Manchaiah, V., Vlaescu, G., Andersson, G. (2024, July). *Internet Behavioral Cough Suppression Therapy: Results of a Randomized, Sham-Treatment Controlled Trial*. Poster and oral presentation. 13th London International Cough Symposium.
- Slovarp, L.**, Reynolds., (2024, July). *Effectiveness Of Behavioral Cough Suppression Therapy (BCST) Delivered In a Group Telehealth Model*. Poster and oral presentation. 13th London International Cough Symposium.
- Slovarp, L.**, Reynolds, J. (2023, Oct). *Cough desensitization therapy: Pilot 2*. Oral presentation. Fall Voice, Washington D.C.
- Slovarp, L.**, Reynolds, J., Tolbert, S., Campbell, S., Welby, S., Morkrid, P. (2023, June). *Cough desensitization treatment for patients with refractory chronic cough: Results of a second pilot randomized control trial*. Oral presentation, American Cough Conference, Reston, VI.
- Reynolds, J., **Slovarp, L.** (2022, November). *The effect of attentional manipulation on cough reflex sensitivity in patients with cough hypersensitivity syndrome*. Oral presentation,

non-presenting author, ASHA Convention, New Orleans, LA.

Reynolds, J., **Slovarp, L.** (2022, October). *Refractory Chronic Cough and the Role of Behavioral Cough Suppression Therapy*. Oral presentation, co-presenting author, Rural Healthcare: Interaction of Education, Training, and Access in Montana, Whitefish, MT.

Wright, M., **Slovarp, L.**, Roy, N., Okifuji, K.M., Sundar, K., Barkmeier-Kraemer, J. (2022, June). *Presence Of Anxiety May Be Predictive of Leicester Cough Questionnaire Score Change Following Chronic Refractory Cough Treatment*. Oral presentation, non-presenting author, 12th International London Symposium on Cough, London, UK.

Slovarp, L., Jette, M., Gillespie, A., Reynolds, J. Barkmeier-Kraemer, J. (2021, November). *Evaluation and Management Outcomes and Burdens in Patients Referred for Behavioral Cough Suppression Therapy*. Pre-recorded technical oral session. American Speech Hearing Association Annual Convention, Washington, DC.

Slovarp, L., Reynolds, J., Campbell, S., Tolbert, S., Morkrid, P. (2021, October). *Cough Desensitization Therapy for Refractory Chronic Cough: Pilot 2*. Oral presentation, Fall Voice annual conference, Miami, FL

Slovarp, L. (2021, June). *Programmatic Desensitization of the Cough Reflex in Patients with Refractory Chronic Cough*. Virtual oral presentation, American Cough Conference.

*Reynolds, J., **Slovarp, L.**, Campbell, S., Popp, S. (2020, November). Proposal number: 12306. *Reliability and Validity of the ADAMM-RSM for Counting Cough Frequency in Patients with Chronic Cough*. Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled)

***Slovarp, L.**, Reynolds, J., Campbell, S., Popp, S., Daily, E., Morkrid, P., Harker, R. (2020, November). Proposal number: 11624. *Progressive Desensitization for Refractory Chronic Cough: A Randomized Placebo-Controlled Pilot Clinical Trial*. Proposal accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled)

Slovarp, L. (2019, October). *Refractory chronic cough desensitization: A randomized, placebo-controlled trial*. Oral presentation, Fall Voice annual conference, Dallas, TX

***Slovarp, L.**, Reynolds, J., Popp, S. (2019, October). *Investigating the underlying mechanisms responsible for the effectiveness of behavioral cough suppression therapy*. Poster presentation, Fall Voice annual conference, Dallas, TX

Slovarp, L. (2018, October). *Assessing feasibility of treating cough hypersensitivity with progressive desensitization paired with behavioral cough suppression therapy*. Oral presentation, Fall Voice annual conference, Seattle, WA

***Slovarp, L.**, Bozarth, E. (2018, October). *Patient-related variables that predict the success of behavioral cough suppression therapy*. Poster presentation, Fall Voice annual conference, Seattle, WA

***Slovarp, L.** Bozarth, E., Popp, S., Hutton, L., Haller, S. (2018, October). *Altering Cough Reflex Sensitivity with Aerosolized Capsaicin Paired with Behavioral Cough Suppression: A Pilot Study*. Poster presentation, Montana Speech Hearing Association (MSHA) Annual Convention.

Slovarp, L. (2017, November). *Assessing the need and feasibility of a behavioral cough*

suppression therapy (BCST) screening tool. Oral presentation, American Speech Hearing Association Annual Convention, Los Angeles, CA.

*Bozarth, E., Popp, S., **Slovarp, L.**, (2017, October). *The Use of Capsaicin for Desensitization of the Cough Reflex.* Poster presentation, Montana Speech Hearing Association (MSHA) Annual Convention, Missoula, MT.

*Haller, S., Hutton, L. **Slovarp, L.** (2017, October). *The Role of Behavioral Cough Suppression Therapy in the Treatment of Cough Hypersensitivity Syndrome (CHS).* Poster presentation, Montana Speech Hearing Association (MSHA) Annual Convention, Missoula, MT.

Slovarp, L. (2017, June). *Assessing the need and feasibility of the a behavioral cough suppression therapy (BCST) screening tool.* Oral presentation, American Cough Conference, Reston, VI.

***Slovarp, L.**, Loomis, B. (2016, November). *Patient-Reported Variables Related to Success of Behavioral Cough Suppression Therapy (BCST) in Patients with Refractory Chronic Cough (RCC).* Oral presentation, Fall Voice conference, Scottsdale, AZ.

*Bozarth, E., Popp, S., **Slovarp, L.**, (2016, October). *Patient-Reported Variables Related to Success of Behavioral Cough Suppression Therapy (BCST) in Patients with Refractory Chronic Cough (RCC).* Poster presentation, Montana Speech Hearing Association (MSHA) Annual Convention, Helena, MT.

Slovarp, L. (2016, February). *Contrasting Two Prophylactic-Dysphagia Interventions for Patients with Head and Neck Cancer Treated with Radiotherapy with or without Adjunctive Chemotherapy.* Oral presentation, Dysphagia Research Society, Tucson, AZ.

***Slovarp, L.**, King, L. (2016, February). *Assessing the Feasibility of Two Novel Tongue Base Resistance Exercises.* Oral presentation, Dysphagia Research Society, Tucson, AZ.

***Slovarp, L.**, Danielson, J., Murphy, M. (2015, March). *Assessing the Influence of Modified Barium Swallow Study Reports on Clinicians' Treatment Recommendations.* Poster presentation, Dysphagia Research Society, Chicago, IL.

Slovarp, L. & Stack, S. (2014, November). *Prophylactic-Dysphagia Intervention for Patients with Head and Neck Cancer Receiving Radiation Therapy with or without Adjunctive Chemotherapy.* Poster presentation, American Speech Hearing Association Annual Convention, Orlando, FL.

Slovarp, L., & Danielson, J. (2013, November). *Assessing the influence of modified barium swallow study reports on clinicians' treatment recommendations.* Poster presentation, American Speech Hearing Association Annual Convention, Chicago, IL.

Peer-Reviewed Publications

**Indicates invited publication

Slovarp, L. Jette, M., Reynolds, J., Gillespie, A., Barkmeier-Kraemer, J., Sandage, M. Smith, J., Haines, J., Vertigan, A., Mazzone, S. (2024). Misconceptions on Behavioral Cough Suppression Therapy for Pediatric Nonspecific Cough: A Response to Weinberger and Buettner's Commentary on Fujiki et al. *Pediatric Pulmonology*.

****Slovarp, L.** Sandage, M. (in press). Upper Airway: Cough and ILO/EILO/PVFM. In Hapner, E., Timmons Sund, L. (Eds.), *Voice Clinical Case Studies* (6th ed.) Plural.

Wright, M., **Slovarp, L.**, Reynolds, J., Roy, N., Okifuji, A., Sundar, K., Barkmeier-Kraemer, J. (2024). Prevalence of anxiety as a variable in treatment outcomes for individuals with chronic refractory cough. *American Journal of Speech-Language Pathology*. https://doi.org/10.1044/2023_AJSLP-23-00104

****Slovarp, L.** (2023, May). Refractory chronic cough: Background and treatment strategies. *Voice Foundation Newsletter*, pp. 8-11. https://voicefoundation.org/thevoice_may_2023/

Slovarp, L., Reynolds, J., Tolbert, S., Campbell, S., Morkrid, P. (2023). Cough desensitization treatment for refractory chronic cough: Results of a second pilot randomized control trial. *BMC Pulmonary Medicine*, 23, 148. <https://doi.org/10.1186/s12890-023-02423-6>

Sundholm, N., Sandeep, S., Wright, M., Reynolds, J., **Slovarp, L.**, Gillespie, A. (2022). Effect of behavioral cough suppression therapy delivered via telehealth. *Journal of Voice*. <https://doi.org/10.1016/j.jvoice.2022.11.015>

Reynolds, J., Jette, M., Wright, M., Sundar, K., Gillespie, A., **Slovarp, L.** (2022). Normative values for the Leicester Cough Questionnaire in healthy individuals. *Annals of Otolaryngology, Rhinology, and Laryngology*, 1-4. <https://doi.org/10.1177/000348942211125>[tps://doi.org](https://doi.org/10.1177/000348942211125)

Slovarp, L., Reynolds, J., Bozarth-Dailey, E., Popp, S., Campbell, S., Morkrid, P. (2022). Cough Desensitization Treatment: A Randomized, Sham-Controlled Pilot Trial for Patients with Refractory Chronic Cough. *Respiratory Medicine*. 193. <https://doi.org/10.1016/j.rmed.2022.106739>

Slovarp, L., Jette, M., Gillespie, A., Reynolds, J., Barkmeier-Kraemer, J. (2021). Evaluation and management outcomes and burdens in patients with refractory chronic cough referred for behavioral cough suppression therapy. *Lung*, 199, 263-271. <https://doi.org/10.1007/s00408-021-00442-w>

Shivani, P., **Slovarp, L.**, Clary, M., Jette, M. (2020). Laryngeal Chemoreflex in Health and Disease: A Review. *Chemical Senses*. <https://doi.org/10.1093/chemse/bjaa069>

****Slovarp, L.**, Vertigan, A. (October 2019). When the Coughing Won't Stop. *ASHA Leader*.

****Vertigan, A.**, Haines, J., **Slovarp, L.**, (2019). Speech pathology treatment for chronic refractory cough. *Journal of Allergy and Clinical Immunology: In Practice*, 7, 156-62. doi: 10.1016/j.jaip.2019.03.030

Slovarp, L., Bozarth, E. (2019). Altering cough reflex sensitivity with aerosolized capsaicin paired with behavioral cough suppression: A proof-of-concept study. *Annals of Translational Medicine*, 7(1): 7. doi: 10.21037/atm.2018.12.26

Slovarp, L., Danielson, J., Liss, J. (2018). Intra-rater agreement of clinician's treatment recommendations based on modified barium swallow study reports.

Dysphagia. <https://doi.org/10.1007/s00455-018-9907-6>

Slovarp, L., Loomis, B., Glaspey, A. (2018). Assessing need and feasibility of a behavioral cough suppression therapy screening tool. *Chronic Respiratory Diseases*, 15(3), 296-503. <https://doi.org/10.1177/1479972318755722>

Slovarp, L., (2018). Assessing need and feasibility of a behavioral cough suppression therapy (BCST) screening tool [Abstract]. *Lung*, 196, 83-85, doi 10.1007/s00408-018-0088-8

***Slovarp, L.,** King, L., Off, C., Liss, J. (2016). A pilot study of the tongue pull-back exercise for improving tongue-base retraction and two novel methods to add resistance to the tongue pull-back. *Dysphagia*, 31, 416-523. <https://doi.org/10.1007/s00455-016-9693-y>

Slovarp, L., Off, C., Liss, J., (2015). Contrasting two prophylactic dysphagia interventions for patients with head and neck cancer treated with radiotherapy with or without adjunctive chemotherapy (Dissertation). Available from ProQuest Dissertations and Theses database (ID no. 10375) <https://scholarworks.umn.edu/etd/4615/>

Slovarp, L., Azuma, T., & LaPointe, L. (2012). The effect of traumatic brain injury on sustained attention and working memory. *Brain Injury*, 26(1), 48-57. <https://doi.org/10.3109/02699052.2011.635355>

Master's Thesis

Baker, L. Sustained attention and working memory following traumatic brain injury. Arizona State University. August 2000.

Mentored Theses Projects

- *Programmatic Desensitization of the Cough Reflex in Patients with Refractory Chronic Cough.* Defended by Emma Bozarth Spring 2020. (committee chair)
- *Patient-reported variables associated with success of behavioral intervention for patients with chronic cough.* Defended by Bridget Loomis Spring 2016. (committee chair)
- *Preschool Writing Instruction: Modeling the Stages.* Defended by Shelby Swant Spring 2014. (committee member, statistics consultant)
- *The effect of clinician-related variables on decision-making in dysphagia practice.* Defended by Melissa Murphy Spring 2014. (committee chair)
- *Dysphagia treatment planning: Assessing clinician's treatment recommendations based on modified barium swallow study reports.* Defended by Jennifer Danielson Summer 2012. (committee chair)
- *Prophylactic-dysphagia intervention for patients with head and neck cancer receiving chemoradiation therapy.* Defended by Shanna Stack Spring 2013. (committee chair)

Current Ongoing Research Projects

- *Development of a Digital Therapeutic for behavioral cough suppression therapy for refractory chronic cough (PI, in collaboration with Hyfe, Inc.)*
- *Asynchronous internet-based behavioral cough suppression therapy (iBCST) for patients*

- with refractory chronic cough (co-I)
- *Investigation of interoceptive awareness in patients with refractory chronic cough (co-I, in collaboration with Marie Jette, PhD, University of CO and Amanda Gillespie, PhD, Emory University)*
- *Using exposure to aerosolized capsaicin paired with behavioral cough suppression to progressively desensitize the cough reflex (PI, FDA regulated clinical trial)*
- *Validity of the ADAMM smart wearable device as an automated cough frequency monitor*

Grants

- National Heart, Lung, Blood Institute (R01), Slovarp (PI) 09/01/2023 – 08/31/2028, *Biologic Mechanisms of Refractory Chronic Cough and Cough Suppression Therapy*. Collaborators: Marie Jette, PhD, CCC-SLP (MPI), Jane Reynolds, PhD, CCC-SLP (Co-I), Amanda Gillespie, PhD, CCC-SLP (Co-I). \$3,652,416, unfunded
- National Heart, Lung, Blood Institute (R01), Slovarp (PI) 04/01/2023 – 03/31/2028, *Biologic Mechanisms of Refractory Chronic Cough and Cough Suppression Therapy*. Collaborators: Marie Jette, PhD, CCC-SLP (MPI), Jane Reynolds, PhD, CCC-SLP (Co-I), Amanda Gillespie, PhD, CCC-SLP (Co-I), Julie Barkmaier-Kraemer, PhD, CCC-SLP (Co-I), Krishna Sundar, MD (Co-I) \$3,640,664, unfunded
- Montana Healthcare Foundation, Slovarp (PI) *Big Sky Cough Clinic Initiative*, Collaborator: Jane Reynolds, MS, CCC-SLP (Co-I) Unfunded
- National Institute of General Medical Sciences sub-award P20GM103474 (Montana IDeA Network of Biomedical Research Excellence), Slovarp (PI) 05/01/21 – 04/30/22, *Cough Desensitization Treatment for Refractory Chronic Cough: Pilot 2*. \$100,000, funded
- National Institute of General Medical Sciences sub-award P20GM103474 (Montana IDeA Network of Biomedical Research Excellence), Slovarp (PI) 05/01/20 – 04/30/21, *Cough Desensitization Treatment for Refractory Chronic Cough: Multi-Site Trial Preparation* \$126, 676, funded
- National Institute of General Medical Sciences sub-award P20GM103474 (Montana IDeA Network of Biomedical Research Excellence), Slovarp (PI) 07/01/19 – 04/30/20, *Progressive Desensitization Paired with Behavioral Cough Therapy for the Treatment of Chronic Cough* \$67,220, funded
- University of Montana Small Grant 325492, Slovarp (PI) 05/01/19 – 08/31/20, *Investigating the Mechanism Responsible for the Effect of Behavioral Cough Therapy* \$4,992, funded
- National Institute of General Medical Sciences sub-award 362948 (Developmental Translational Team Grant), Slovarp (PI) 4/13/19 – 06/30/19, *Developing Proof-of-Concept to Investigate the Mechanism Responsible for Behavioral Cough Therapy* \$20,996, funded
- University of Montana Small Grant 325454, Slovarp (PI) 05/01/17 – 08/31/18, *Development of the Montana Screen for Behavioral Cough Therapy*. \$4998, funded
- National Institute of General Medical Sciences sub-award 4U54GM104944-4, 17-746Q-

UM-PG55-00, Slovarp (PI) 06/01/16 – 06/30/17 CTR-IN Pilot Grant: *Development of the Montana Screen for Behavioral Cough Therapy*.

\$67,650, funded

- National Institute of General Medical Sciences sub-award 1U54GM104944-2, 14-746Q-UMT-MG8-00, Slovarp (PI) 03/11/15 – 06/30/15, CTR-IN Mini Grant: *Developing the Montana Screen for Behavioral Cough Therapy – Assessing Feasibility*.
\$9015, funded

Research Interests

- Treatment for refractory chronic cough
- Understanding neurologic mechanisms involved in refractory chronic cough
- Upper airway disorders
- Voice disorders
- Swallowing disorders

Existing Research Collaborations

- Jane Reynolds, PhD, CCC-SLP, Assistant Professor, School of Speech, Language, Hearing, & Occupational Sciences, University of Montana
- Marie Jette, PhD, CCC-SLP, Assistant Professor, Department of Otolaryngology, University of Colorado Anschutz Medical Campus
- Amanda Gillespie, PhD, CCC-SLP, Associate Professor, Department of Otolaryngology, Emory University
- Julie Barkmeier-Kraemer, PhD, CCC-SLP, Professor, Department of Otolaryngology, University of Utah
- Peter Small, MD, Chief Medical Office, Hyfe.ai
- Stuart Mazzone, PhD, Professor of Neuroscience, University of Melbourne

CONFERENCES/SEMINARS ATTENDED

June 2023	American Cough Conference, Reston, VI
Nov 2022	American Speech Language Hearing Association Annual Convention, New Orleans, LA
Oct 2022	Montana Rural Healthcare Retreat, Whitefish, MT
Oct 2022	Fall Voice, San Francisco, CA
Oct 2021	Fall Voice, Miami, FL
Jun 2021	American Cough Conference, virtual
Nov 2020	American Speech Language Hearing Association Annual Convention, virtual
Oct 2020	Fall Voice, virtual
Oct 2019	Fall Voice, Dallas, TX

Oct 2019 NIH IDeA Western Regional Conference in Las Vegas, NV

Sept 2019 Montana INBRE Research & Career Enhancement Workshop, Bozeman, MT

June 2019 Mountain West Clinical Translational Research – Infrastructure Network (CTR-IN) Annual Conference, Las Vegas, NV

Nov 2018 American Speech Language Hearing Association Annual Convention, Boston, MA

Oct 2019 Fall Voice, Seattle, WA

June 2018 Mountain West Clinical Translational Research – Infrastructure Network (CTR-IN) Annual Conference, Las Vegas, NV

Nov 2017 American Speech Language Hearing Association Annual Convention, Los Angeles, CA

June 2017 American Cough Conference, Reston, VI

May 2017 Mountain West Clinical Translational Research – Infrastructure Network (CTR-IN) Annual Conference, Las Vegas, NV

Feb 2017 12th Annual Advanced Practices in Voice and Dysphagia, Las Vegas, NV

Oct 2016 Montana Speech Hearing Association Annual Convention, Helena, MT

Oct 2016 Fall Voice, Scottsdale, AZ

Feb 2016 Dysphagia Research Society, Tucson, AZ

Feb 2016 11th Annual Advanced Practices in Voice and Dysphagia, Las Vegas, NV

March 2015 Dysphagia Research Society, Chicago, IL

Nov 2014 American Speech Hearing Association Annual Convention, Orlando, FL

Oct 2014 Montana Speech Hearing Association Annual Convention, Missoula, MT

Feb 2014 9th Annual Advanced Practices in Voice and Dysphagia, Las Vegas, NV

Nov 2013 American Speech Language Hearing Association Annual Convention, Chicago, IL

July 2013 Transgender Voice/Communication Therapy, New York City

Feb 2013 8th Annual Advanced Practices in Voice and Dysphagia, Las Vegas, NV

Feb 2012 7th Annual Advanced Practices in Voice and Dysphagia, Las Vegas, NV

Feb 2011 Lee Silverman Voice Treatment certification course, Scottsdale, AZ

Oct 2010 Montana Speech-Language-Hearing Association Annual Convention

Feb 2010 5th Annual Advanced Practices in Voice and Dysphagia, Las Vegas, NV

April 2009 ASHA Healthcare and Business Institute, Washington, DC

Feb 2008 3rd Annual Advanced Practices in Voice and Swallowing Disorders

Aug 2007 The Dysphagia Patient: Modified Barium Swallow and Therapeutic Intervention

April 2007 15th Annual Northern Rockies Rehabilitation Symposium: *A Systemic Approach to Neurological Rehabilitation of CVA and TBI*

Feb 2007 Medical Aspects of Swallowing Advanced dysphagia course, primarily esophageal dysphagia

Feb 2007 Endoscopic Assessment of Swallowing Advanced dysphagia course on fiberoptic endoscopic evaluation of swallowing (FEES)

Feb 2006 1st Annual Advanced Practices in Dysphagia Assessment and Treatment

Sept 2005 Brain Injury Assoc. of Montana Annual Conference

Feb 2005 Arizona Speech-Language-Hearing Assoc. Annual Convention

Nov 2003 VitalStim Therapy for Swallowing Disorders

Feb 2002 Neuromuscular Electrical Stimulation for Muscle Re-education of the Submandibular Triangle

Sept 2001 Pediatric Stuttering

Oct 2000 Medical Implications in the Field of Speech-Language Pathology

March 2000 Speech Dynamic Incorporated: Oral Motor Analysis and Remediation

Feb 2000 Exploring the Possibilities of the *DeltaTalker* (AAC device)

Jan 2000 Exploring Unity 128 Version: Language for Life (AAC language)

Oct 1999 Fiberoptic Endoscopic Evaluation of Swallowing (FEES): A Procedure for Evaluating Oropharyngeal Dysphagia

Oct 1999 2nd Annual Symposium on Cognitive Disorders

May 1999 1st Annual National Medical Speech Language Pathology Conference

PROFESSIONAL REFERENCES

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