

Brittany L. Perrine
Department of Communication Sciences and Disorders
Baylor University
C.V.

Date February 14, 2023

Contact Information

Brittany Perrine, Ph.D.
Department of Communication Sciences and Disorders
One Bear Place #97332
Waco, TX 76798-7332
(254)710-6365
Brittany_Perrine@baylor.edu

1. Education

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| 2018 | Ph.D., Bowling Green State University, Communication Sciences and Disorders
Dissertation: The Influence of Stress on the Voice |
| 2014 | M.S., Bowling Green State University, Communication Sciences and Disorders
Thesis: Approximating Subglottal Pressure from Oral Pressure: A Methodological Study |
| 2012 | B.S., Bowling Green State University, Communication Sciences and Disorders |

2. Employment History

August 2018 – present Baylor University, Department of Communication Sciences and Disorders
Assistant Professor

3. Scholarly Activity

3a. Peer-Reviewed Publications

Proctor, K., Scherer, R. C., & **Perrine, B.L.** (published online 2/18/22). Vocal fry patterns while reading. *Journal of Voice*. <https://doi.org/10.1016/j.jvoice.2022.01.013>

Perrine, B. L., Monzón, K., Weber, L. M., & Funderburk, L. K. (2021). The Impact of Fish Oil Supplementation on Self-Perception of the Voice in Vocal Performers: A Randomized, Single-Blind, Placebo-Controlled Study. *Journal of Speech, Language, and Hearing Research*, 64(12), 4784-4790. https://doi.org/10.1044/2021_JSLHR-21-00295

Perrine, B.L., & Scherer, R.C. (2020). Aerodynamic and acoustic voice measures before and after an acute public speaking stressor. *Journal of Speech, Language, and Hearing Research*, 63(10): 3311-3325. https://doi.org/10.1044/2020_JSLHR-19-00252

Perrine, B.L., Scherer, R.C., Fulcher, L., & Zhai, G. (2020). Phonation threshold pressure from a 3-mass model of phonation with empirical pressure values. *The Journal of the Acoustical Society of America*, 147(3), 1727-1737. <https://doi.org/10.1121/10.0000854>

Perrine, B. L., Scherer, R. C., & Whitfield, J. A. (2019). Signal interpretation considerations when estimating subglottal pressure from oral air pressure. *Journal of Speech, Language, and Hearing Research*, 62(5), 1326-1337. https://doi.org/10.1044/2018_JSLHR-S-17-0432

3b. Conference Proceedings

Perrine, B.L., & Scherer, R.C. (2018). [Differences in voice parameters in those who experience a biological stress response and those who do not](#). In the Proceedings of the *International Conference on Voice Physiology and Biomechanics, ICVPB 2018* (pp. 98-99).

Frazer, B., & Scherer, R. C. (2014). Methodological issues when estimating subglottal pressure from oral pressure. *The Journal of the Acoustical Society of America*, 136(4), 2296. <https://doi.org/10.1121/1.4900306>

Scherer, R. C., **Frazer, B.**, & Zhai, G. (2013). Modeling flow through the posterior glottal gap. In *Proceedings of Meetings on Acoustics* (Vol. 19, No. 1, p. 060240). Acoustical Society of America. <https://doi.org/10.1121/1.4799044>

Frazer, B.L. & Scherer, R.C. (2013). [Phonation and collision threshold pressure obtained using a 3-mass model of phonation](#). In *Proceedings of the 10th International Conference on Advances in Quantitative Laryngology, Voice and Speech Research* (pp. 53-54).

Scherer, R. C., **Frazer, B.**, Li, S., & Zhai, G. (2012). Matching human phonation with a multi-mass computer model. In *International Conference on Voice Physiology and Biomechanics, ICVPB 2012* (pp. 05-07).

4. Presentations

4a. International Peer-Reviewed Presentations

Perrine, B., & Scherer, R. (2018). *Differences in Voice Parameters in Those Who Experience a Biological Stress Response and Those Who Do Not*. International Conference on Voice Physiology and Biomechanics, Lansing, Michigan, July 31-August 3. (Oral presentation given by Perrine)

Perrine, B., & Scherer, R. (2016). *Non-rectangular oral pressure signal shapes and their potential implication on estimating subglottal pressure*. Pan-American Vocology Association's Fall 2016 Conference, Scottsdale, Arizona, October 15-16. (Poster presented by Perrine)

Frazer, B., & Scherer, R. (2013). *Phonation and Collision Threshold Pressure Obtained Using a 3- Mass Model of Phonation*. Advances in Qualitative Laryngology, Voice and Speech Research Convention, Cincinnati, Ohio, June 3-4. (Oral presentation given by Frazer)

Scherer, R., Frazer, B., Li, S., & Zhai, G. (2012). *Matching human phonation with a multi-mass computer model*. International Conference on Voice Physiology and Biomechanics, Erlangen, Germany, July 5-7. (Oral presentation given by Scherer; Frazer not present)

4b. National Peer-Reviewed Presentations

Perrine, B.L., & Hooper, M (accepted). *Use of phonotraumatic behaviors in college students and their relationship to symptoms of voice problems*. The Voice Foundation 52nd Annual Symposium: Care of the Professional Voice, Philadelphia, Pennsylvania, May 31-June 4. (Poster presentation)

Perrine, B.L., Funderburk, L.K., Monzón, K., & Weber, L.M. (2021). *A randomized, single blind placebo-controlled trial to determine the impact of fish oil on young vocal performers self-perception of their voice*. The Fall Voice Conference, Miami, Florida, October 21-23. (Poster session)

Proctor, K., Scherer, R.C., **Perrine, B.**, & McCormick, K. (2020). *Vocal Fry: Categorization in Running Speech*. The Voice Foundation 49th Annual Symposium: Care of the Professional Voice, Philadelphia, Pennsylvania, May 27-31. (Virtual presentation given by Proctor)

Proctor, K., Scherer, R., **Perrine, B.**, & McCormick, K. (2019). *The Categorization of Vocal Fry in Running Speech*. American-Speech-Language Hearing Association Convention, Orlando, Florida, November 21-23. (Technical session given by Proctor)

Perrine, B., Wirth, C., Fetterman, S., Ysseldyke, H., & Allen, A. (2019). *Examination of Multiple Methods of Collecting Phonation Threshold Pressure*. The Fall Voice Conference, Dallas, Texas, October 17-19. (Poster session)

Perrine, B., Ysseldyke, H., Fetterman, S., Allen, A., & Wirth, C. (2019). *Investigating acoustic and aerodynamic voice parameters in college cheerleaders*. The Fall Voice Conference, Dallas, Texas, October 17-19. (Poster session)

Perrine, B. & Scherer, R. (2018). *A Mis-Match between Self-Rating & Salivary Cortisol Response to Stress: Implication for Interpreting Voice Measures*. American-Speech-Language Hearing Association Convention, Boston, Massachusetts, November 15-17. (Technical session given by Perrine)

Pilkington, S., Scherer, R., & **Perrine, B.** (2016). *Student Teachers: Effects of Vocal Hygiene Information on Voice Assessment Throughout Student Teaching - Pilot Study*. American Speech-Language Hearing Association Convention, Philadelphia, Pennsylvania, November 17-19. (Poster presented by Pilkington; Perrine not present)

Frazer, B., & Scherer, R. (2015). *Recording and Analysis Decisions when Estimating Subglottal Pressure from Oral Pressure*. The Voice Foundation's 44th Annual Symposium: Care of the Professional Voice JOINT MEETING with the International Association of Phonosurgery, Philadelphia, Pennsylvania, May 30. (Oral presentation given by Frazer)

Frazer, B., & Scherer, R. (2014). *Methodological issues when estimating subglottal pressure from oral pressure*. The 168th Meeting of the Acoustical Society of America, Indianapolis, Indiana, October 30. (Poster presented by Frazer)

Scherer, R., **Frazer, B.**, Zhai, G., & Li, S. (2012). *Matching human phonation with a multi-mass computer model*. American Speech-Language Hearing Association Convention, Atlanta, Georgia, November 15- 17. (Oral presentation given by Scherer)

Frazer, B., & Scherer, R. (2012). *Phonation vs. Collision Threshold Pressure: A Modeling Study*. American Speech-Language Hearing Association Convention, Atlanta, Georgia, November 15-17. (Oral presentation given by Frazer)

4c. Regional Peer-Reviewed Presentations

Monzón, K., Hathway, J., **Perrine, B.**, & Weber, L. (2022). *Bridging the gap: Cross-disciplinary conversations to benefit the singer*. Texoma National Association of Teachers of Singing (NATS) Regional Conference, Canyon, TX, November 10-12.

4d. State Peer-Reviewed Presentations

Monzón, K., Weber, L., **Perrine, B.**, & Hathway, J. (2023). *Vocal health for music educators: The pitfalls of pushing through and the possibilities of prevention*. Texas Music Educators Association's Convention, San Antonio, TX, February 8-11. (Oral presentation given by all authors)

Perrine, B., Pilkington, S. & Scherer, R. (2016). *Vocal Hygiene and Voice Quality in College Students*. Ohio Speech-Language Hearing Association's Convention, Columbus, OH, March 12. (Poster presented by Perrine and Pilkington)

Frazer, B., & Scherer, R. (2012). *Phonation vs. Collision Threshold Pressure: A Modeling Study*. Ohio Speech-Language-Hearing Association Annual Convention, Columbus, OH, March 10. (Poster Presentation given by Frazer)

4e. Invited Presentations

Perrine, B. L., Funderburk, L. K., Monzón, K., & Weber, L. M. (2021). *The Impact of Body Composition and Diet on the Voice of College Singers*. Pan-American Vocology Association's September Forum, September 30 (Oral presentation given by Perrine)

Scherer, R.C. and **Perrine, B.** (2017). *Vocal fry and creaky voice*. Division of Speech and Hearing Sciences, The University of Hong Kong Pokfulam, Hong Kong, October 24 (Oral presentation given by Scherer; Perrine not present)

Scherer, R., & **Perrine, B.** (2016). *How does an understanding of aerodynamics impact your work with students/clients?* Pan-American Vocology Association's Fall 2016 Conference, Scottsdale, Arizona, October 15. (Facilitated discussion lead by Scherer and Perrine)

Scherer, R., **Frazer, B.**, & Zhai, G. (2013). *Modeling Flow through the Posterior Glottal Gap*. Acoustical Society of America Convention, Montreal, Quebec, Canada, June 2-7. (Invited oral presentation given by Scherer; Frazer not present)

Scherer, R.C., Li, S., **Frazer, B.**, & Zhai, G. (2012). *Matching human phonation with a multi-mass computer model*. NYU International Voice Symposium, New York University, New York City, January 5-7. (Oral presentation given by Scherer; Perrine not present)

Frazer, B., & Scherer, R. (2012). *Phonation vs. Collision Threshold Pressure: A Modeling Study*. 5th Annual Posters at the Capitol, Columbus, Ohio, March 27. (Poster presentation given by Frazer; Scherer not present)

4f. Internal Presentations

Moderator: Kimberly Monzón; Panelists: Julianne Best, Lynne Gackle, **Brittany L. Perrine**, Amy Petrogelli, Jen Stephenson, Jamie Van Eyck, Lauren M. Weber (2022, April 19). *Female Voice Forum*. Baylor University's School of Music.

Fetterman, S. & **Perrine, B.** (faculty mentor) (2020). *Investigating Acoustic and Aerodynamic Voice Parameters in College Cheerleaders*. Baylor University's URSA 2020 Virtual Symposium. (platform presentation)

*Received an award for outstanding platform presentation.

Wirth, C. & **Perrine, B.** (faculty mentor) (2020). *Examination of Multiple Methods for Collecting Phonation Threshold Pressure*. Baylor University's URSA 2020 Virtual Symposium. (platform presentation)

*Received an award for outstanding platform presentation.

Perrine, B., Fetterman, S., Wirth, C. (2019). *Investigating Acoustic and Aerodynamic Voice Parameters in College Cheerleaders*. Research Brown Bag, Department of Communication Sciences and Disorders, BU, October 4. (Oral presentation given by Fetterman; Wirth not present)

Scherer, R.C., & **Perrine, B.L.** (2018). *Vocal Function and Health*. World Voice Day talk given to BGSU's Student National Association of Singing Teachers, April 18.

Scherer, R. C. & **Perrine, B. L.** (2017). *Vocal Fry and Creaky Voice – What Do They Look and Sound Like, Among Other Questions?* Proseminar, Department of Communication Sciences and Disorders BGSU, April 28.

Perrine, B. L. (2017). *Developing a methodology to study the influence of stress on the voice*. Proseminar, Department of Communication Sciences and Disorders BGSU, March 24.

Kriegel, Z., **Perrine, B.**, Reif, A., Spangenberg, A., & Summers, D. (2016). *Research as an Undergrad: Consuming and Contributing*. BGSU NSSLHA Ohio State Conference, October 22. (Oral presentation given 3 times by all authors).

- Pilkington, S., **Perrine, B.**, Scherer, R., & Murray, M. (2016). *Effects of vocal hygiene information on voice assessment throughout student teaching*. College of Health and Human Services Leadership Council Meeting, BGSU, October 14. (Oral presentation given by Pilkington; following Pilkington receiving the Student Research Award)
- Perrine, B.** as panel member to: Whitfield, J. A. (2016). *Thesis Project Q & A*. Proseminar, Department of Communication Sciences and Disorders BGSU, September 8. (Panel discussion lead by Whitfield)
- Perrine, B.**, Pilkington, S., & Scherer, R. (2016). *Vocal Hygiene and Voice Quality in College Students*. Proseminar, Department of Communication Sciences and Disorders BGSU, April 22. (Oral presentation given by Perrine and Pilkington)
- Frazer, B.**, & Scherer, R. (2014). *Methodological Issues when Estimating Subglottal Pressure from Oral Pressure*. Proseminar, Department of Communication Sciences and Disorders BGSU, November 7. (Oral presentation given by Frazer)
- Frazer, B.**, & Scherer, R., (2012). *Matching Human Phonation with a Multi-Mass Computer Model: An Update*. Proseminar, Department of Communication Sciences and Disorders BGSU, September 21. (Oral presentation given by Scherer)
- Frazer, B.**, Scherer, R., & Zhai, G. (2012). *Matching Human Data with a Multi-Mass Computer Model*. Annual Teaching and Learning Fair BGSU, February 10. (Oral presentation given by Frazer)
- Frazer, B.**, & Scherer, R. (2012). *Modeling Human Phonation to Determine Phonation Threshold Pressure and Collision Threshold Pressure*. Teaching and Learning Fair BGSU, February 10. (Poster presentation)
- Scherer, R.C., Li, S. & **Frazer, B.** (2012). *Matching Human Phonation with A Multi-Mass Computer Model*. Proseminar, Department of Communication Sciences and Disorders BGSU, January 30. (Oral presentation given by all authors)
- Frazer, B.** (2011). *PTP and CTP; 3-Mass Model Matching to Human Data*. Voice Group Colloquium with Johan Sundberg, Visiting Scientist (KTH, Stockholm), Bowling Green State University, October 26. (Oral presentation)
- Frazer, B.**, & Scherer, R. (2011). *Modeling Human Phonation to Determine Phonation Threshold Pressure and Collision Threshold Pressure*. Student Research Symposium for Inauguration Week of President Mazey, November 30. (Poster)
- Frazer, B.** (2011). *Phonation and Collision Threshold Pressure*. Proseminar, Department of Communication Sciences and Disorders BGSU, February 18. (Oral presentation)

5. Grants

5a. Funded External Grants

2021 Harold & Muriel Berkman Charitable Foundation, Inc. Marketing Research Grant, “Exploring the Impact of Salesperson’s Vocal Health on Customer’s Perceptions & Willingness to Buy”
Role: Co-PI (other co-PI: Stephanie M. Mangus)
Funding Period: 2022

5b. Funded Internal Grants at Baylor University

2020 Baylor University’s Small and Mid-range Grant Program (URC), “The effect of fish oil supplementation on vocal performers,”
Role: Co-I (PI: Kimberly Monzón, other co-investigators: Lauren M. Weber, LesLee Funderburk)
Funding Period: December 17, 2020-May 31, 2021

2019 Baylor University’s Undergraduate Research and Scholarly Achievement Small Grant Program, “Investigating Acoustic and Aerodynamic Voice Parameters in College Cheerleaders”
Role: PI
Funding Period: August 1, 2019 – May 31, 2020

6. Teaching Experience

6a. Courses Taught at Baylor University

1. CSD 5332 (Traumatic Brain Injury Seminar):
2. CSD 5314 (Voice Pathology)
3. CSD 5317 (Cleft Lip and Palate)
4. CSD 4358 (Speech Science)
5. CSD 5303 (Leveling-Speech Science)
6. CSD 4V87 (Applied Research in CSD)

6b. Courses Taught at Bowling Green State University

1. CDIS 3010 (Anatomy and Physiology of the Speech Mechanism)
2. CDIS 6190 (Clinical Issues III-Clinical Instrumentation)
3. CDIS 6180 (Clinical Issues II-Instrumentation)
4. CDIS 4670 (Introduction to Research in Speech, Language and Hearing)

6c. Thesis, Dissertation, Research Committees

Fall 2019 M.S., Thesis Committee Member, Nicole E. Fliegelman, Baylor University, Communication Sciences and Disorders (Advisor: Paul Fillmore)

Spring 2020	Undergraduate Honors Thesis, Thesis Committee Member, Maren Brady, Baylor University, Department of Religion (Advisor: Jason Whitt)
Fall 2020	M.S., Thesis Committee Member, Lane J. Rightmer, Baylor University, Human Sciences and Design- Nutrition Sciences (Advisor: LesLee Funderburk)
Spring 2021	M.M. Graduate Committee Member, Jenna Hernandez, Baylor University, Conducting, Choral (Advisor: Lynne Gackle)
Spring 2022	M.M., Graduate Committee Member, Deb Sorensen, Baylor University, Vocal Performance (Advisor: Kimberly Monzón)

7. Service

7a. Service at Baylor University

Departmental:

2019-present	Search Committees (x2)
2018-2020	Ph.D. Proposal Committee
2018-2022	Research Enhancement Committee
2021-present	Undergraduate Planning and Initiatives
2022-present	Strategic Plan Committee (co-chair beginning March 2022)

College:

2022-present	Alternate for the Robbins College Faculty Development Committee
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University:

2021-present	Student Conduct Board
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Student Support Activities:

2018	Move to BU Volunteer
2018-present	Invitation to Excellence Event Participant
2020-present	Distinguished Scholars Day Event Participant
2021-present	Graduation Marshal

7b. Professional Service

2010-present	World Voice Day Coordinator (part of a world-wide celebration of the voice) 2010-2018 BGSU 2019, 2022 BU
2014-2017	Student Reviewer for the Journal of Voice, Mentor: Ronald C. Scherer, Ph.D.
2017	Reviewer for the American Journal of Otolaryngology
2018-present	Reviewer for the Journal of Voice
2019-present	Reviewer for Journal of Speech, Language and Hearing Research
2020-present	Editorial Board Member for the Journal of Voice (3-year term)
2021	Judge for poster contest at The Voice Foundation Symposium
2022-present	The Voice Foundation Symposium Poster Contest committee member

2022-present Reviewer for The Journal of the Acoustical Society of America

8. Honors and Awards

2018 Baylor University Rising Star Program Participant
2020 Greater Waco Chamber Waco Under 40 Nominee
2022 Robbins College of Health and Human Sciences Pure Gold Award Recipient: Teaching