

**JUNGMEE LEE, Ph.D.**

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**EDUCATION**

**Ph.D., 1994**, University of Florida, Department of Psychology, Gainesville, Florida.

- Advisor: Professor David M. Green.
- Dissertation: "Detection of a Mistuned Component in a Harmonic Complex"
- Major area: Experimental psychology, Hearing sciences, Psychoacoustics

**B.A., 1988**, Seoul National University, Department of Psychology, Seoul, Korea.

**PROFESSIONAL EXPERIENCE**

**Audiology Program Director, 2018 - 2019**, University of South Florida, Dept. of Communication Sciences and Disorders, Tampa, Florida

**Research Associate Professor, 2017- present**, University of South Florida, Dept. of Communication Sciences and Disorders, Tampa, Florida

**Senior Scientist/Instructor, 2013-2017**, University of Wisconsin at Madison, Dept. of Communication Sciences and Disorders, Madison, Wisconsin

**Visiting Scholar, 2013-2014**, Northwestern University, The Roxelyn & Richard Pepper Dept. of Communication Sciences and Disorders, Evanston, Illinois

**Visiting Scholar, 2013-2016**, Rush University, Dept. of Communication Disorders and Sciences, Chicago, Illinois

**Project Manager/Research Scientist, 2009-2013, Hearing Assessment Reformation Project**, Northwestern Univ, The Roxelyn & Richard Pepper Dept. of Communication Sciences and Disorders, Evanston, Illinois

**Assistant Professor, 2005-2009**, University of Arizona, Speech, Language, Hearing Sciences, Tucson, Arizona

**Visiting Research Scholar, 2004-2005**, Graduate Center of the City University of New York, Dept. of Speech and Hearing Sciences, New York, New York

**Adjunct Lecturer, 2004**, New York State University at New Paltz, Dept. of Communication Disorders, New Paltz, New York.

**Post-doc fellow, 2002 - 2003**, Graduate Center of the City University of New York, Dept. of Speech and Hearing Sciences, New York, New York.

**Collaborating Scholar, 2002-2004**, The Institution for Aging Studies at Hallym University, Chuchon, South Korea.

**Motherhood leave, 1998-2002**

**Suzuki Piano Instructor, 2000-2002**, Dutchess Community College, Poughkeepsie, New York.

**Faculty Research Associate, 1994 - 1998**, Arizona State University, Dept. of Speech and Hearing Science, Tempe, Arizona.

**Research Assistant, 1991 - 1994**, University of Florida, Department of Psychology, Gainesville, Florida.

**SERVICE/OUTREACH**

- **Organizing committee for Northwestern University Symposium** honoring the contributions of David M. Green to Hearing Science, "Contemporary Hearing Science inspired by David M. Green" (<https://knowleshearingcenter.northwestern.edu/knowles-conference-2019/>), 2019
- **Technical Committee on Psychological and Physiological Acoustics**, Acoustical Society of America, 2015-2018
- **Technical Committee on Psychological and Physiological Acoustics**, Acoustical Society of America, 2020-2023
- **Session Co-chair**, International Congress on Acoustics/Acoustical Society of America, Montreal, Canada, June 2-7, 2013
- **Grant review trainee**, ASHF/RSAC Grant Reviewer Training, Washington D.C., 2007
- **Session Chair**, Acoustical Society of America, Salt Lake City, June 4-8, 2007
- **Session Co-chair**, Acoustical Society of America, New York City, May 24-28, 2004
- **Full Member**, Acoustical Society of America, 1996-present
- **Full Member**, Association for Research in Otolaryngology, 2002-present
- **Full Member**, American Auditory Society, 2005-present
- **Liaison** between AuD Students and American Auditory Society, 2005-2009
- **Reviewer**, Journal of Speech, Language and Hearing Research
- **Reviewer**, Journal of Acoustical Society of America
- **Reviewer**, Hearing Research
- **Reviewer**, Journal of the American Academy of Audiology
- **Editorial Board Member**, American Journal of Audiology, 2020-present

**PUBLICATIONS** ■ Co-authors are student advisees**Journals**

- (1) Robert A. Lutfi, Torben Pastore, ■Briana Rodriguez, William A. Yost, and **Jungmee Lee** (in revision). "Molecular analysis in individual differences in talker search at the cocktail-party," *Trends in hearing*
- (2) Robert A Lutfi, ■Briana Rodriguez, **Jungmee Lee** (2021). "The listener effect in multi-talker speech segregation " *Trends in hearing*. 25, 1-11. <https://doi.org/10.1177/23312165211051886>
- (3) **Jungmee Lee** and Robert A Lutfi (2020). "Evidence of possible contribution of cochlear mechanics to individual differences in cocktail-party listening from studies of otoacoustic emission," *Forum Acusticum*, Dec 2020, Lyon France. pp. 1413-1416. <https://hal.archives-ouvertes.fr/hal-03235935/>, <https://doi.org/10.48465/fa.2020.0784>

- (4) Robert A Lutfi, ■Briana Rodriguez, **Jungmee Lee**, Torben Pastore (2020). “A test of model classes accounting for individual differences in simulated cocktail-party listening” *J. Acoust. Soc. Am.* 148, 4014-4024. <https://doi.org/10.1121/10.0002961> PMID: 33379927; PMCID: PMC7775115.
- (5) ■Briana Rodriguez, B., **Jungmee Lee**, and Robert A. Lutfi (2020). “Additivity of segregation cues in simulated cocktail-party listening,” *J. Acoust. Soc. Am.* 149, 82-86. <https://doi.org/10.1121/10.0002991> PMID: 33514184; PMCID: PMC7787694.
- (6) ■Briana Rodriguez, B., **Jungmee Lee**, and Robert A. Lutfi (2019). “Synergy of Spectral and Spatial Segregation Cues in Simulated Cocktail Party Listening”, *Proc. Mtgs. Acoust.* 36, 050005; <https://doi.org/10.1121/2.0001092>.
- (7) Robert Lutfi., Alison Tan, and **Jungmee Lee**. (2018). “Modeling individual differences in cocktail-party listening”, *Acta Acustica united with Acustica*, 104, 787-791
- (8) Monica Wagner, **Jungmee Lee**, Francesca Mingino, Colleen O’Brien, Valerie Shafer, Mitchell Steinschneider (2017). “Language experience with a native-language phoneme sequence modulates the effects of attention on cortical sensory processing,” *Frontiers in Neuroscience*. 11:569 <https://doi.org/10.3389/fnins.2017.00569>
- (9) Robert Lutfi, Alison Tan, and **Jungmee Lee**. (2017). “Individual differences in cocktail party listening: The relative role of decision weights and internal,” *Journal of the Acoustical Society of America, Proceed. Meetings on Acoustics*, 30(1), 1-7.
- (10) ■An-Chieh Chang, Robert Lutfi, **Jungmee Lee**, and Inseok Heo (2016). “A Detection-Theoretic Analysis of Auditory Streaming and Its Relation to Auditory Masking,” *Trends in hearing*, 20, 1-9.
- (11) ■An-Chieh Chang, **Jungmee Lee**, Robert Lutfi (2015). “Auditory streaming of tones of uncertain frequency, level and duration,” *J. Acoust. Soc. Am. Express Letter*, <http://dx.doi.org/10.1121/1.4936981>
- (12) Lynn Gilbertson, Robert Lutfi, and **Jungmee Lee** (2015). “Estimates of decision weights and internal noise in the masked discrimination of vowels by young and elderly adults,” *J. Acoust. Soc. Am.* Vol. 137, EL407.
- (13) **Jungmee Lee**, Inseok Heo, Glenis Long, ■An-Chieh Chang, Kristen Bond, Christophe Stoelinga, and Robert Lutfi (2015). “Individual differences in behavioral decision weights related to irregularities in cochlear mechanics,” in van Dijk, P., Baskent, D., Gaudrain, E., de Kleine, E., Wagner, A., Lanting, C. (Eds.), *Physiology, Psychoacoustics and Cognition in Normal and Impaired Hearing*, New York: Springer
- (14) Christophe Stoelinga , Inseok Heo, Glenis Long, **Jungmee Lee**, Robert Lutfi, and ■An-Chieh Chang (2015) Exploring a potential role of cochlear nonlinearity in detecting mistuning of a harmonic in a harmonic complex using Distortion Product Otoacoustic Emissions. In *Mechanics of Hearing: Protein to Perception*, Karavitaki KD, Corey DP (eds). American Institute of Physics, Melville, NY, pp. 090022-1 - 090022-5

- (15) ■James Dewey, **Jungmee Lee**, and Sumitrajit Dhar (2014). “Effect of Contralateral Acoustic Stimulation on Hearing Threshold fine structure and Spontaneous Otoacoustic Emissions,” *JARO*, 15 (6) , 897–914. <http://link.springer.com/article/10.1007/s10162-014-0485-5>
- (16) **Jungmee Lee**, Pamela Souza, Bomjun Kwon, and Gayla Poling (2014). “Dynamic range compression effects on modulation detection interference,” *POMA*, 12, 050008, <http://dx.doi.org/10.1121/1.4863158>
- (17) Gayla Poling, Jonathan Siegel, **Jungmee Lee**, Jungwha Lee, and Sumitrajit Dhar (2014). “Fine structure of the  $2f_1$ - $f_2$  distortion product otoacoustic emission in a normal hearing population,” *J. Acoust. Soc. Am.* 135(1), 287-99.
- (18) ■Rachael Baiduc, **Jungmee Lee**, and Sumitrajit Dhar (2014). “The influence of spontaneous otoacoustic emissions on threshold microstructure and psychophysical tuning: The good, the bad, and the ugly,” *J. Acoust. Soc. Am.* 135(1), 300-314.
- (19) **Jungmee Lee** and Sumitrajit Dhar (2013). “Can cochlear mechanics contribute to amplitude modulation perception?” *POMA*, 19, 050115, <http://dx.doi.org/10.1121/1.4800101>
- (20) Christopher Bergevin, ■Analydia Fulcher, ■Susan Richmond, David Velenovsky, and **Jungmee Lee** (2012). “Interrelationships between spontaneous and low-level stimulus-frequency otoacoustic emissions in humans,” *Hear. Res.*, 285, 20-28.
- (21) **Jungmee Lee**, Sumitrajit Dhar, Rebekah Abel, Renee Banakis, Evan Grolley, Jungwha Lee, Steven Zecker, Jonathan Siegel (2012), “Behavioral Hearing Thresholds Between 0.125 and 20 kHz Measured Using a Clinically-Viable Calibration Procedure,” *Ear and Hearing*, 33, 315-329.
- (22) **Jungmee Lee** and Glenis Long (2012). “Stimulus characteristics which lessen the impact of threshold fine-structure on estimates of hearing status,” *Hear. Res.* 283, 24-32
- (23) Gayla Poling, **Jungmee Lee**, Jonathan Siegel, Sumitrajit Dhar.(2012) Clinical Utilisation of High-frequency DPOAEs. *ENT & audiology news* (September/October) **21(4)**:91-92
- (24) Glenis R. Long, Carrick L. Talmadge, and **Jungmee Lee** (2008). “Measuring DPOAE using continuously sweeping primaries,” *J. Acoust. Soc. Am.* 124(3), 1613-1626
- (25) ■Derek Edwards, **Jungmee Lee**, ■Jennifer Andrews, and ■Aileen Wong (2008). “Contribution of onset/offset information of modulation on AM depth discrimination,” *J. Acoust. Soc. Am.* Vol. 123, EL111. PMID: PMC2811550
- (26) Son Shin, **Jungmee Lee**, and Cheol-Won Ryu (2007). “A Study on the Effect of Acculturative Factors on the Psychological Well-being of Korean American Older Immigrants in New York City,” *Journal of Welfare for the Aged*, Vol 38. 79-108
- (27) Juil Rie, Jeewon Cheong, **Jungmee Lee**. (2006). Comparison of psychological factors affecting happiness of the Korean elderly residing in USA and Korea. *Korean journal of Psychological and Social issues*, Vol.12, No.5, 169-203.

- (28) Sid P. Bacon, Nicolas Grimault, and **Jungmee Lee** (2002). "Spectral integration in bands of modulated or unmodulated noise," *J. Acoust. Soc. Am.* 112, 219-226.
- (29) Sid P. Bacon, Larissa N. Boden, **Jungmee Lee**, and Jennifer L. Ropovsch (1999). "Growth of simultaneous masking for  $f_m < f_s$ : Effects of overall frequency and level," *J. Acoust. Soc. Am.* 106, 341-350.
- (30) **Jungmee Lee** and Sid P. Bacon (1998). "Psychophysical suppression as a function of signal frequency: Noise and tonal maskers," *J. Acoust. Soc. Am.* 104, 1013-1022.
- (31) Melanie J. Gregan, Sid P. Bacon, and **Jungmee Lee** (1998). "Masking of pure tones by sinusoidally amplitude modulated tonal maskers," *J. Acoust. Soc. Am.* 103, 1012-1021.
- (32) Sid P. Bacon and **Jungmee Lee** (1997). "The modulated-unmodulated difference: effects of signal frequency and masker modulation depth," *J. Acoust. Soc. Am.* 101, 3617-3624.
- (33) **Jungmee Lee** and Sid P. Bacon (1997). "Amplitude modulation depth discrimination of a sinusoidal carrier: effect of stimulus duration," *J. Acoust. Soc. Am.* 101, 3688-3693. PMID: PMC3282190
- (34) Sid P. Bacon, **Jungmee Lee**, Daniel N. Peterson, and Dawne Rainey (1997). "Masking by modulated and unmodulated noise: Effects of bandwidth, modulation rate, signal frequency, and masker level," *J. Acoust. Soc. Am.* 101, 1600-1610.
- (35) **Jungmee Lee** (1994). "Amplitude modulation rate discrimination with sinusoidal carriers," *J. Acoust. Soc. Am.* 96, 2140-2147.
- (36) **Jungmee Lee** and David M. Green (1994). "Detection of a mistuned component in a harmonic complex," *J. Acoust. Soc. Am.* 96, 716-725.

## SCHOLARLY PRESENTATIONS

### Invited talk

**Jungmee Lee** (2003). "Temporal integration of time-varying sounds," Department of Otolaryngology/Head & Neck Surgery, Columbia University, NY.

**Jungmee Lee** (2003). "More effective way to measure DPOAE as a clinical tool," *The Korean Academy of Speech-Language Pathology and Audiology*, 153, Hallym University, Chuchon, South Korea.

**Jungmee Lee** (2004). "Temporal integration of time-varying sounds: Implication of speech understanding," Department of Speech and Hearing Sciences, Ohio State University, Columbus, OH

**Jungmee Lee** (2009). "Auditory temporal processing of people with hearing loss: Implications of cochlear function," Department of Otolaryngology/Head & Neck Surgery, University of South Carolina, Charleston, SC

**Jungmee Lee** (2009). “Why is auditory temporal processing important?” Department of Speech Pathology & Audiology, College of Rehabilitation medicine, University of Alberta, Edmonton, Canada

**Jungmee Lee** (2009). “From the Laboratory to the Clinic” Glenrose Rehabilitation Hospital, Edmonton, Canada

**Jungmee Lee** (2009). “Auditory temporal processing of people with hearing loss: Implications of cochlear function,” Starkey Laboratories, Inc., Eden Prairie, MN

**Jungmee Lee** (2012). “Contributions of cochlear mechanics to amplitude-modulated sound,” Northwestern University, Evanston, IL

**Jungmee Lee** (2013). “Exploring the relationship between cochlear mechanics and perception in amplitude-modulated sound,” Northwestern University, Evanston, IL

**Jungmee Lee** (2013). “Exploring the relationship between cochlear mechanics and perception in amplitude-modulated sound,” Rush University, Chicago, IL

**Jungmee Lee** (2014). “Possible contribution of cochlear compression to amplitude modulation detection,” Acoustical Society of America, Providence, RI

**Jungmee Lee** (2015). “Possible contribution of cochlear compression to amplitude modulation detection,” Graduate Center at City University of New York, NY

**Jungmee Lee** (2015). “Individual differences in behavioural decision weights related to irregularities in cochlear mechanics,” Northwestern University, Evanston, IL

**Jungmee Lee** (2017). “Mistuned harmonics: Perception and DPOAE,” Northwestern University, Evanston, IL

Robert Lutfi., Alison Tan, and **Jungmee Lee**. (2018). Modeling individual differences in cocktail-party listening, International Symposium of Hearing, Denmark

**Jungmee Lee** (2019). “Evidence of possible contribution of cochlear mechanics to auditory perception from studies of otoacoustic emissions,” presented at a special conference of “Contemporary Hearing Science Inspired by David M. Green”. Sponsored by the Knowles Hearing Center, Northwestern University.

**Jungmee Lee** and Robert A. Lutfi (2020). “Evidence of possible contribution of cochlear mechanics to individual differences in cocktail-party listening from studies of otoacoustic emission,” 2020 Forum Acusticum meeting of the European Acoustics Association in Lyon-France, for a special session on “Interindividual Differences in Auditory Processing”.

### **Conference Poster Presentations**

■ Co-authors are student advisees

[1] ■ Lindsey Kummerer, John Sheets, **Jungmee Lee**, and Robert A. Lutfi (2022). “Possible cochlear contributions to individual differences in a speech-in-noise task” *American Auditory Society*, Scottsdale, AZ

- [2] ■ Briana Rodriguez, Robert A. , and **Jungmee Lee** (2022). “Talker identification based on covariance in voicing cues,” *Association for Research in Otolaryngology*, Virtual meeting
- [3] ■ John Sheets, **Jungmee Lee**, Joshua Hajicek, and Robert A. Lutfi (2020). “Cochlear contributions to differences in cocktail-party listening” *American Auditory Society*, Scottsdale, AZ
- [4] ■ Briana Rodriguez, Jungmee Lee, and Robert A. Lutfi (2019). “Synergy of spatial and spectral cues in cocktail-party listening,” *Acoustical Society of America*.
- [5] ■ John Sheets, **Jungmee Lee**, Joshua Hajicek, and Robert A. Lutfi (2019). “Further exploration for cochlear contributions to individual differences in cocktail-party listening”. presented at a special conference of “*Contemporary Hearing Science Inspired by David M. Green*”. Sponsored by the Knowles Hearing Center, Northwestern University.
- [6] ■ Jitpakorn Pichaitanaporn, Joshua Hajicek; Simon Henin; Glenis Long, **Jungmee Lee**, and Ann Eddins (2018). “Comparison and validation of a new swept-tone DPOAE system to two commercial systems,” *American Academy of Audiology*, Nashville, TN.
- [7] Joshua Hajicek; Simon Henin; Glenis Long, ■ Jitpakorn Pichaitanaporn, **Jungmee Lee**, and Ann Eddins (2018). “Validation of Frequency-Swept-Tone DPOAE with current Clinical DPOAE Systems,” *American Auditory Society*, Scottsdale, AZ
- [8] Monica Wagner, **Jungmee Lee**, and Valerie L. Shafer (2017). “Sensory memory for phoneme sequences within spoken words in native-English and native-Polish listeners,” *The Ninth Annual Meeting of the Society for the Neurobiology of Language*, Baltimore.
- [9] Robert Lutfi, Alison Tan, and **Jungmee Lee** (2017). “Individual Differences in Cocktail-Party Listening: The Relative Role of Decision Weights and Internal Noise,” *Acoustical Society of America*, Boston, MA
- [10] Monica Wagner, **Jungmee Lee**, and Valerie L. Shafer (2017). “The effects of attention modulation on sensory processing of spoken words in native-English and native-Polish listeners,” *Cognitive Neuroscience Society*, San Francisco.
- [11] Monica Wagner, **Jungmee Lee**, and Valerie L. Shafer (2016). “The effects of attention on the cortical sensory waveforms, the P1-N1-P2 and T-complex, in native Polish and English listeners,” *Auditory Cognitive Neuroscience Society*, Tucson.
- [12] Samantha Ginter, Sumitrajit Dhar, **Jungmee Lee**, Jungwha Julia Lee, and Jonathan Siegel (2015). “What drives changes in speech perception in noise between 18 and 68 years of age?” 6<sup>th</sup> Aging and Speech Communication Research Conference 2015 (“ASC15”) Bloomington.
- [13] Sriram Boothalingam, ■ Margaret Halinski, Carolyn Murray, **Jungmee Lee**, Beverly. A. Wright, and Sumitrajit Dhar (2015). “Differential influences of visual task performance on cochlear responses in musicians and nonmusicians,” Society of Neuroscience annual meeting, Chicago

- [14] **Jungmee Lee**, Inseok Heo, Glenis Long, ■An-Chieh Chang, Kristen Bond, Christophe Stoelinga, and Robert Lutfi (2015). “Individual differences in behavioral decision weights related to irregularities in cochlear mechanics,” *17th International Symposium on Hearing – ISH2015*, Groningen, Netherlands
- [15] **Jungmee Lee**, Glenis Long, Inseok Heo, Christophe Stoelinga, and Robert Lutfi (2015). “Cochlear fine structure predicts behavioral decision weights in a multi-tone level discrimination task,” *Acoustical Society of America*, Pittsburgh, PA
- [16] Christophe Stoelinga, Inseok Heo, Glenis Long, **Jungmee Lee**, Robert Lutfi, and ■An-Chieh Chang (2014). “Exploring a potential role of cochlear nonlinearity in detecting mistuning of a harmonic in a harmonic complex using Distortion Product Otoacoustic Emissions,” *Mechanics of Hearing 12<sup>th</sup> International workshop*, Cape Sounio, Greece
- [17] **Jungmee Lee** (2014). “Possible contribution of cochlear compression to amplitude modulation detection,” *Acoustical Society of America*, Providence, RI
- [18] ■An-Chieh Chang, Inseok Hoe, **Jungmee Lee**, Christopher Stoelinga, and Robert Lutfi (2014). “Factors Affecting Auditory Streaming of Random Tone Sequences,” *Acoustical Society of America*, Providence, RI
- [19] **Jungmee Lee** and Sumitrajit Dhar (2013). Can Cochlear Mechanics Contribute to Amplitude Modulation Perception? *21<sup>st</sup> International Congress on Acoustics*, Montreal, Canada
- [20] Gayla L. Poling, Sumaya Sidique, ■Tracey Moskatel, ■Claire Beers, ■Dani Wijnperle, Jungwha Lee, Jonathan H. Siegel, **Jungmee Lee**, and Sumitrajit Dhar (2013). Optimizing a  $2f_1-f_2$  DPOAE Measurement for Extended High Frequencies. *Midwinter Meeting for the Association for Research in Otolaryngology*. Baltimore, M.
- [21] **Jungmee Lee**, Sumitrajit Dhar, Jungwha Lee, Steve Zecker, and Jonathan Siegel (2012). Interrelationship between Physiological and Behavioral Measures of Auditory Function. *Midwinter Meeting for the Association for Research in Otolaryngology*. San Diego, CA.
- [22] ■Rachael Baiduc, **Jungmee Lee**, Sumitrajit Dhar (2012) The Influence of Spontaneous Otoacoustic Emissions on Threshold Microstructure and Psychophysical Tuning. *Midwinter Meeting for the Association for Research in Otolaryngology*. San Diego, CA.
- [23] Gayla Poling, Jonathan Siegel, **Jungmee Lee**, Jungwha Lee, Sumitrajit Dhar (2012). Effect of Self-Reported Noise Exposure on Auditory Function in Clinically-Normal Hearing Individuals between 10 and 65 Years Old. *National Hearing Conservation Association*. New Orleans, LA.
- [24] Gayla L. Poling, Jonathan Siegel, **Jungmee Lee**, Jungwha Lee, Sumitrajit Dhar (2012). Stability of Hearing Thresholds and  $2f_1-f_2$  Distortion Product Otoacoustic Emission Measures up to 20 kHz in Adults. *Midwinter Meeting for the Association for Research in Otolaryngology*. San Diego, CA.



- [25] Sumitrajit Dhar, Jonathan Siegel, **Jungmee Lee**, Gayla Poling, Jungwha Lee (2012). DPOAE Source Knowledge and its Impact on Clinical Utility. Invited Presentation. *Midwinter Meeting for the Association for Research in Otolaryngology*. San Diego, CA.
- [26] **Jungmee Lee**, Pamela Souza, Andrew Sabin, Bomjun Kwon, Marc Brennan, Gayla Poling, and ■Carla Pertersen (2011). “Dynamic Range Compression Effects on Modulation Detection Interference,” *Acoustical Society of America*, Seattle, WA
- [27] ■James Dewey, **Jungmee Lee**, and Sumitrajit Dhar (2011). “Effect of Contralateral Acoustic Stimulation on Hearing Threshold fine structure and Spontaneous Otoacoustic Emissions,” *Acoustical Society of America*, Seattle, WA
- [28] **Jungmee Lee**, Sumitrajit Dhar, Jungwha Lee, and Jonathan Siegel (2011). “Behavioral Hearing Thresholds between 0.125 and 20 kHz Measured Using a Clinically-Viable Calibration Procedure,” *American Auditory Society*, Scottsdale, AZ
- [29] Gayla L. Poling, Jonathan H. Siegel, **Jungmee Lee**, Jungwha Julia Lee, Sumitrajit Dhar (2011). “Population statistics on DPOAE fine structure characteristics,” *2011 American Auditory Society*, Scottsdale, AZ
- [30] ■Wei Zhao, ■James Dewey, **Jungmee Lee**, and Sumitrajit Dhar (2011). “MOC-induced changes in stimulus frequency otoacoustic emissions,” *2011 Midwinter Meeting for the Association for Research in Otolaryngology*.
- [31] ■Susan Richmond, ■Analydia Fulcher, Christopher Bergevin, , David Velenovsky, and **Jungmee Lee** (2010). “Exploring the interrelationships between spontaneous and low-level stimulus-frequency otoacoustic emissions,” *2010 Midwinter Meeting for the Association for Research in Otolaryngology*. San Diego, CA.
- [32] Sumitrajit Dhar, Rebekah Abel, **Jungmee Lee**, Renee Banakis, and Jonathan Siegel (2010). “Comparison of two methods of recording DPOAEs over a wide frequency range in a large Population,” *2010 Midwinter Meeting for the Association for Research in Otolaryngology*, San Diego, CA.
- [33] Rebekah Abel, Sumitrajit Dhar, Renee Banakis, Evan Grolley, **Jungmee Lee** and Jonathan Siegel (2010). “Reliability of threshold and OAE measurements using two calibration methods,” *2010 Midwinter Meeting for the Association for Research in Otolaryngology*. San Diego, CA.
- [34] Ryan Deeter, **Jungmee Lee**, Sumitrajit Dhar (2010). “Efferent modulation of DPOAE components,” *American Auditory Society*, Scottsdale, AZ
- [35] **Jungmee Lee** and ■Soonha Yook (2009). “Modulation detection interference in listeners with cochlear hearing loss: Effect of modulation depth and onset delay” *Acoustical Society of America*, Portland, OR
- [36] ■Katheryn Brown and **Jungmee Lee** (2009). “Amplitude modulation detection/depth discrimination in listeners with cochlear hearing loss” *American Auditory Society*, Scottsdale, AZ

- [37] **Jungmee Lee**, **Derek Edwards**, **Jennifer Andrews**, and **Heather Murray** (2008). “Temporal integration functions of amplitude modulation depth discrimination: can multiple-looks model explain this?”, *Joint meeting of Acoustical Society of America and European Acoustics Association*, June 29 – July 4, Paris, France
- [38] **Jungmee Lee**, **Derek Edwards**, **Jennifer**, and **Aileen Wong** (2008). “Temporal Integration for AM rate discrimination: effect of carrier type,” *American Auditory Society*, Scottsdale, AZ
- [39] **Jungmee Lee**, **Derek Edwards**, **Jennifer**, and **Aileen Wong** (2007). “Contribution of onset/offset information of modulation on AM depth discrimination,” *American Auditory Society*, Scottsdale, AZ
- [40] **Jungmee Lee**, **Glenis Long**, and **Changmo Jeung** (2006). “Temporal integration functions of AM detection and AM depth discrimination,” *J. Acoust. Soc. Am.* 119, S3332, Providence, RI.
- [41] **Glenis Long** and **Jungmee Lee** (2005). “Distortion Product Otoacoustic Emissions generated by mistuned harmonic stimuli,” *J. Acoust. Soc. Am.* 117, S2564, Vancouver, Canada
- [42] **Jungmee Lee** and **Glenis Long** (2005), “Temporal integration functions of amplitude modulation detection and amplitude modulation depth discrimination,” *J. Acoust. Soc. Am.* 117, S2535, Vancouver, Canada
- [43] **Jungmee Lee** and **Cheol-Won Ryu** (2005). “The Impact of immigration in later life on psychological well-being: A closer look at Korean American Elders' Experience,” *2005 ASA - NCOA Joint Conference*, Philadelphia, PA
- [44] **Glenis Long**, **Carrick Talmadge**, and **Jungmee Lee** (2005). “Level dependent changes in the generator and the reflection components of DPOAE,” *2005 Midwinter Meeting for the Association for Research in Otolaryngology*, February 19-24, New Orleans, LA.
- [45] **Jungmee Lee**, **Glenis Long**, and **Carrick Talmadge** (2004). “The impact of cochlear fine structure on hearing thresholds and DPOAE levels,” *J. Acoust. Soc. Am.* 115, S2499, New York City, NY.
- [46] **Glenis Long**, **Carrick Talmadge**, and **Jungmee Lee** (2004). “Using sweeping tones to evaluate DPOAE fine structure,” *2004 Midwinter Meeting for the Association for Research in Otolaryngology*, February 22-26, Daytona Beach, FL.
- [47] **Glenis Long**, **Carrick Talmadge**, and **Jungmee Lee** (2004). “Modification of DPOAE fine structure by contralateral stimulation,” *2004 Midwinter Meeting for the Association for Research in Otolaryngology*, February 22-26, Daytona Beach, FL.
- [48] **Jungmee Lee**, **Glenis Long**, and **Carrick Talmadge** (2003). “More effective way to measure DPOAE as a clinical tool,” *The Korean Academy of Speech-Language Pathology and Audiology*, 153, Hallym University, Chuchon, Korea.
- [49] **Jungmee Lee**, **Glenis Long**, and **Carrick Talmadge** (2003). “The impact of cochlear fine structure on the use of DPOAE as a clinical tool,” *Second eastern auditory regional meeting*, Children’s hospital of Philadelphia, Philadelphia, PA.

- [50] **Jungmee Lee** and Sid P. Bacon (1997). "Psychophysical suppression as a function of signal frequency," *J. Acoust. Soc. Am.* 101, S3148, Cincinnati, OH.
- [51] Sid P. Bacon and **Jungmee Lee** (1997). "Understanding why masking functions can change slope at high levels," *American Speech-Language-Hearing Association*, November 20-23.
- [52] Sid P. Bacon, Nicolas Grimault, and **Jungmee Lee** (1997). "Spectral integration and the detection of tones in modulated and unmodulated noise," *Acoustical Society of America*, December 1-5.
- [53] Sid P. Bacon, **Jungmee Lee**, Daniel N. Peterson, and Dawne Rainey (1996). "Detection of tones in modulated noise: Effect of masker level and masker depth," *J. Acoust. Soc. Am.* 99, S2566, Indianapolis, IN.
- [54] **Jungmee Lee** and Sid P. Bacon (1996). "Amplitude modulation depth discrimination of a sinusoidal carrier," *J. Acoust. Soc. Am.* 99, S2566, Indianapolis, IN.
- [55] Sid P. Bacon and **Jungmee Lee** (1995). "Temporal resolution and CMR can depend upon frequency," *J. Acoust. Soc. Am.* 97, S3273, Philadelphia, PA.
- [56] **Jungmee Lee** and David M. Green (1994). "Detection of a mistuned component in a harmonic complex," *J. Acoust. Soc. Am.* 95, S3004, Cambridge, MA.

## RESEARCH GRANTS

### FUNDED GRANTS

**NIDCD R01 (DC001262-27)**, "Individual differences listening in noise in clinically-normal hearing adults," Co-Investigator, 7/1/2019 - 6/30/2024, \$3,002,899.00 (total [direct + indirect]).

**NIDCD R01 (DC001262-25)**, "Sound Source Segregation," Co-Investigator, 2013-2019 \$1,840,850.00 (total [direct + indirect])

**American Speech-Language-Hearing Foundation (New Century Scholars Program):** "Correlation between cochlear tuning and otoacoustic emissions: exploring scientific and clinical implications," **PI**, 2008-2009, \$10,000

**UA Faculty Small grant**, "Mechanisms of auditory temporal processing in speech: Implications for dyslexia," **PI**, 2007 – 2008 \$7333.70

**NIDCD Small grant (R03 DC 066605-01)**, "Understanding Temporal Integration of Time-varying Sounds," **PI**, 2004 – 2008 \$210,000 (total [direct + indirect])

### SUBMITTED GRANTS

NIDCD R21: A developmental perspective of dyslexia and auditory temporal processing, **PI**, \$409,932 (total [direct + indirect]), discussed not funded.

NIDCD R01: “Amplitude Modulation: Perception and Otoacoustics emissions,” PI, \$1,858,899 (total [direct +indirect]), not funded

### **MENTORED STUDENTS FOR RESEARCH GRANT/AWARD**

- Samir Datta “Cochlear Response to AM Training,” Undergraduate Research Grant (URG), 2014, Northwestern University
- Eric Bostwick “Estimating Decision Weights from Stimulus-Frequency Otoacoustic Emissions,” 2015 Plural Publishing Research Awards.
- Jitpakorn Pichaitanaporn “Comparison and validation of a new swept-tone DPOAE system to two commercial systems,” 2018 American Academy of Audiology, Nashville, TN. James and Susan Jerger Award
- Jonh Sheets “Cochlear contributions to differences in cocktail party listening,” 2020 Auditory Society of America (AAS), Mentored Student Research Award
- Briana Rodriguez “Talker Identification Based on Covariance in Voicing Cues,” 2022 The Association for Research in Otolaryngology (ARO), Travel Award
- Linsey Kummerer “Possible cochlear contributions to individual differences in a speech-in-noise task,” 2022 Auditory Society of America (AAS), Mentored Student Research Award

### **Ph.D. DISSERTATION / MASTER THESIS COMMITTEE**

#### **University of South Florida**

Briana Rodriguez	Ph.D Dissertation	2020-current
Dana Cherri	Ph.D Dissertation	2020-current
Peter Hutchson	Ph.D Dissertation	2017-2020

#### **University of Wisconsin-Madison**

So Park	Ph.D. Dissertation	2015-2019
An-Chieh Chung	Ph.D. Dissertation	2014-2016

#### **University of Arizona**

Kang Li	Ph.D. Dissertation	2006-2007
Robin Salman	Ph.D. Dissertation	2008-2009
Amanda Jolley	MS Thesis	2006

#### **Arizona State University**

Daniel N. Peterson	MS Thesis	1995
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**MENTORED STUDENTS FOR AuD RESEARCH PROJECT****University of South Florida**

Kelly Smith	2018-2019
Madeleine Berg	2018-2020
John Sheets	2018- 2021
Lindsey Kummerer	2020-present
Amm Yi Liang	2020-present
Sarah Grover	2021-present
Christa Fletcher	2021-present

**University of Wisconsin-Madison**

Eric Bostwick	2014-2016
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**Northwestern University**

Carla Petersen	2010-2011
Tracey Moskatel	2011-2012
Claire Beers	2011-2012
Dani Wijnperle	2011-2012
Meghann Kyle	2011-2012
Benjamin NG	2011-2012
Rebecca Kyllonen	2012-2013
Margaret Halinski	2012-2013
Diana Callesano	2012-2013

**University of Arizona**

Derek Edwards	2005-2008
Aileen Wong	2006-2008
Jennifer Anderson	2006-2008
Katheryn Brown	2008-2009
Soonha Yook	2008-2009
Benjamin Smith	2009
Analydia Fulcher	2009-2011
Susan Richmond	2009-2011

**MENTORED STUDENTS FOR UNDERGRADUATE RESEARCH PROJECT****University of South Florida**

Briana Rodriguez	2017-2019
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**COURSES TAUGHT IN CURRENT/PAST**

Hearing Science	Undergraduate	2004	SUNY at New Paltz
Hearing Science	Undergraduate	2006-2008	Univ. of Arizona
Acoustics	Undergraduate	2009	Univ. of Arizona
Psychoacoustics	AuD	2006-2009	Univ. of Arizona
Instrumentation	AuD	2006-2009	Univ. of Arizona
Hearing Science	Undergraduate	2016	Univ. of Wisconsin-

Acoustics, Electroacoustics, and Calibration	AuD	2016	Univ. of Wisconsin- Madison
Psychoacoustics	AuD	2017-present	Univ. of South Florida
Audiology Instrumentation	AuD	2018-present	Univ. of South Florida
ADP seminar	AuD	2018-2019	Univ. of South Florida