

# Shawn Goodman

Curriculum Vitae as of September 14, 2021

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## EDUCATION AND PROFESSIONAL HISTORY

### Higher Education

- 2003            **PhD**, Joint degree in Speech & Hearing Science and Neural Science, Indiana University  
**Thesis:** Production Mechanisms and Propagation Times for Tone-Burst Evoked OAEs in the Guinea Pig
- 1998            **MS**, Audiology, Brigham Young University
- 1996            **BS**, Audiology, Brigham Young University

### Professional and Academic Positions

- 2014 - Present    **Associate Professor**, Dept. of Communication Sciences & Disorders, University of Iowa
- 2006 - 2014      **Assistant Professor**, Dept. of Communication Sciences & Disorders, University of Iowa

### Professional Memberships/Service

- 2018 - Present    Association for Research in Otolaryngology
- 2006 - Present    American Auditory Society
- 2005 - Present    American Speech-Language and Hearing Association
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- 2016 - 2020      American Journal of Audiology (AJA), Editorial Board, Member
- 2004 - Present    American Journal of Audiology, Reviewer
- 2004 - Present    Ear and Hearing, Reviewer
- 2004 - Present    Journal for Auditory Research in Otolaryngology, Reviewer
- 2004 - Present    Journal of the Acoustical Society of America, Reviewer
- 2018              External Reviewer, Reviewer, Promotion and Tenure
- 2016 - 2017      American Auditory Society (AAS), Program Committee for Annual Meeting, Member
- 2015              Department of Veterans Affairs Rehabilitation Research and Development Service, Scientific Merit Review Board subcommittee for Sensory Systems/Communication Disorders RRD3
- 2004 - 2014      Annals of Biomedical Engineering, Reviewer
- 2011              Academic Affairs & Research Education Program, Reviewer
- 2011              American Speech-Language Hearing Association, Reviewer
- 2011              Audiology/Hearing Science Research Travel Award, Reviewer
- 2008              American Speech-Language-Hearing Association Program, Member
- 2008              Hearing Science Committee, Member

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## TEACHING

### Courses Taught at the University of Iowa

Term	Course#	Title	Enrollment
Fall 2021	CSD:2111	Acoustics	97
Fall 2021	CSD:5224	System & Signal Theory Speech & Hear Sci	17
Spring 2021	CSD:7590:4316	Research	1
Spring 2021	CSD:5256	Anatomy and Physiology of Hearing	5
Spring 2021	CSD:532	Applied Stats & Prepl of EBP in AuD	5
Spring 2021	CSD:5219	Fundamentals of Lab Instrumentation	6
Fall 2020	CSD:2111	Acoustics	100
Fall 2020	CSD:5224	System & Signal Theory Speech & Hear Sci	16
Spring 2020	CSD:5256:0001	Anatomy and Physiology of Hearing	6
Spring 2020	CSD:7238:0001	Capstone Requirement	10

Spring 2020	CSD:5219:0001	Fundamentals of Lab Instrumentation	6
Summer 2019	CSD:5320:0001	Applied Stats & Prepl of EBP in AuD	9
Spring 2019	CSD:5256:0001	Anatomy and Physiology of Hearing	10
Spring 2019	CSD:7238:0001	Capstone Requirement	8
Spring 2019	CSD:5219:0001	Fundamentals of Lab Instrumentation	9
Spring 2019	CSD:4098:3128	Honors Thesis	2
Spring 2019	CSD:7590:4316	Research	1
Fall 2018	CSD:4098:0945	Honors Thesis	2
Fall 2018	CSD:4186:2394	Probs: Sp/Hearing Processes & Disorders	5
Fall 2018	CSD:7590:1936	Research	1
Fall 2018	CSD:3993:1016	Research Practicum	1
Fall 2018	CSD:5224:0001	System & Signal Theory Speech & Hear Sci	10
Summer 2018	CSD:5320:0001	Applied Stats & Prepl of EBP in AuD	6
Summer 2018	CSD:7590:1528	Research	1
Spring 2018	CSD:5256:0001	Anatomy and Physiology of Hearing	6
Spring 2018	CSD:7238:0001	Capstone Requirement	4
Spring 2018	CSD:5219:0001	Fundamentals of Lab Instrumentation	6
Spring 2018	CSD:4098:9608	Honors Thesis	1
Spring 2018	CSD:3993:8756	Research Practicum	1
Fall 2017	CSD:3185:0001	Hearing Loss and Audiometry	79
Fall 2017	CSD:4098:6871	Honors Thesis	1
Fall 2017	CSD:3993:6492	Research Practicum	3
Fall 2017	CSD:5224:0001	System & Signal Theory Speech & Hear Sci	9
Summer 2017	CSD:4186:7135	Probs: Sp/Hearing Processes & Disorders	1
Spring 2017	CSD:5256:0001	Anatomy and Physiology of Hearing	10
Spring 2017	CSD:5219:0AAA	Fundamentals of Lab Instrumentation	11
Spring 2017	CSD:4098:3959	Honors Thesis	1
Spring 2017	CSD:4186:4528	Probs: Sp/Hearing Processes & Disorders	1
Spring 2017	CSD:6538:0001	Seminar: Hearing Science	7
Fall 2016	CSD:3185:1	Hearing Loss and Audiometry	48
Fall 2016	CSD:4098:1552	Honors Thesis	1
Fall 2016	CSD:4186:3603	Probs: Sp/Hearing Processes & Disorders	1
Fall 2016	CSD:7590:3265	Research	1
Fall 2016	CSD:5224:1	System & Signal Theory Speech & Hear Sci	12
Spring 2016	CSD:5219:0AAA	Fundamentals of Lab Instrumentation	10
Spring 2016	CSD:4098:0053	Honors Thesis	1
Spring 2016	CSD:7590:0053	Research	3
Fall 2015	CSD:3185:0001	Hearing Loss and Audiometry	68
Fall 2015	CSD:4098:0053	Honors Thesis	1
Fall 2015	CSD:7590:0053	Research	1
Fall 2015	CSD:5224:0001	System & Signal Theory Speech & Hear Sci	15
Spring 2015	CSD:5219:0AAA	Fundamentals of Lab Instrumentation	8
Spring 2015	CSD:3113:0AAA	Introduction to Hearing Science	61
Fall 2014	CSD:3185:0001	Hearing Loss and Audiometry	90
Fall 2014	CSD:7590:0053	Research	2
Fall 2014	CSD:5224:0001	System & Signal Theory Speech & Hear Sci	8
Spring 2014	003:219:AAA	Fundamentals of Lab Instrumentation	7
Spring 2014	003:590:053	Research	1

Spring 2014	003:538:001	Seminar: Hearing Science	4
Fall 2013	003:185:001	Hearing Loss and Audiometry	67
Fall 2013	003:590:053	Research	1
Fall 2013	003:224:001	System & Signal Theory Speech & Hear Sci	8
Spring 2013	003:219:AAA	Fundamentals of Lab Instrumentation	9
Spring 2013	003:590:053	Research	2
Fall 2012	003:185:001	Hearing Loss and Audiometry	68
Fall 2012	003:590:053	Research	2
Fall 2012	003:224:001	System & Signal Theory Speech & Hear Sci	10
Summer 2012	003:590:053	Research	1
Spring 2012	003:219:AAA	Fundamentals of Lab Instrumentation	8
Spring 2012	003:098:053	Honors Thesis	1
Spring 2012	003:186:053	Probs: Sp/Hearing Processes & Disorders	1
Spring 2012	003:590:053	Research	1
Fall 2011	003:185:001	Hearing Loss and Audiometry	77
Fall 2011	003:098:053	Honors Thesis	1
Fall 2011	003:186:053	Probs: Sp/Hearing Processes & Disorders	1
Fall 2011	003:590:053	Research	1
Fall 2011	003:224:001	System & Signal Theory Speech & Hear Sci	8
Summer 2011	003:590:053	Research	1
Spring 2011	003:590:053	Research	2
Spring 2011	003:538:001	Seminar: Hearing Science	8
Fall 2010	003:185:001	Hearing Loss and Audiometry	64
Fall 2010	003:590:053	Research	3
Fall 2010	003:224:001	System & Signal Theory Speech & Hear Sci	9
Summer 2010	003:590:053	Research	1
Spring 2010	003:219:AAA	Fundamentals of Lab Instrumentation	9
Spring 2010	003:590:053	Research	2

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## SCHOLARSHIP

### Publications

CLAS \* System \* = Senior Author, Major Contribution, \*\* = Secondary Contribution \*\*\* = Equal Contribution, \*\*\*\* = Minor Contribution

#### *Refereed Articles*

\*\*\* Lefler, RK Duncan, SS Goodman, JJ Guinan Jr, JT Lichtenhan. Measurements from ears with endolymphatic hydrops and 2-Hydroxypropyl-Beta-Cyclodextrin provide evidence that loudness recruitment can have a cochlear origin. *Frontiers in Neuroscience*, "Hydropic Ear Disease: Imaging and Functional Evaluation". Accepted Sept 2, 2021.

\*\* Walia A, Lee, C, Hartsock J, Goodman S, Dolle R, Salt A, Lichtenhan JT, Rutherford MA. Reducing Auditory Nerve Excitability by Acute Antagonism of Ca<sup>2+</sup>-Permeable AMPA Receptors. *Frontiers in Synaptic Neuroscience* special issue on cochlear neuron and ribbon synapse development. Accepted June 2021

\*\*\* Guinan Jr JJ, Lefler SM, Buchman CA, Goodman SS, Lichtenhan JT, (2021). Altered mapping of sound frequency to cochlear place in ears with endolymphatic hydrops provide insight into the pitch anomaly of diplacusis. *Nature Scientific Reports*, 11:10380 | <https://doi.org/10.1038/s41598-021-89902-0>.

- \*\*\* Boothalingam, S. Goodman, SS. (2021). Click evoked middle ear muscle reflex: Spectral and temporal aspects. *J Acoust Soc. Am.*, Provisionally Accepted Feb. 1, 2021.
- \* Goodman SS, Boothalingam S, Lichtenhan, JT (2021). Medial olivocochlear reflex effects on Amplitude growth functions of long- and short-latency components of click-evoked otoacoustic emissions in humans. *J Neurophysiology*, special issue on efferent systems. Accepted Feb. 17 2021.
- 3 \*\*Valenzuela CV, Lee C, Mispagel A, Bhattacharyya A, Lefler SM, Payne S, Goodman SS, Ortmann AJ, Buchman CA, Rutherford MS, Lichtenhan JT. (2020). Is cochlear synapse loss an origin of low-frequency hearing loss associated with endolymphatic hydrops? *Hear Res.* 398 ().
- 4 \*\*\* Lee, C., Valenzuela, C., Goodman, S. S., Kallogjeri, D., Buchman, C. A., Lichtenhan, J. T. (2020). Early detection of endolymphatic hydrops using the auditory nerve overlapped waveform (ANOW). *Neuroscience/Elsevier*, 425, 251-266.
- 5 \* Goodman, S. S., Lee, C., Guinan, Jr., J. J., Lichtenhan, J. T. (2020). The spatial origins of cochlear amplification assessed by stimulus-frequency otoacoustic emissions. *Biophysical Journal*, 128, 1-13.
3. \*\*\* Brumbach, S., Goodman, S. S., Biaduc, R. (2019). Behavioral Hearing Thresholds and Distortion Product Otoacoustic Emissions in Cannabis Smokers. *Journal of Speech Language and Hearing Research*, 62(9), 3500-3515.
4. \* Goodman, S. S., Venkitakrishnan, S., Adkins, W. J., Mueldener, L. D. (2018). Effects of Middle-Ear and Medial Olivocochlear Reflexes on TEOAE Frequency, Magnitude, and Phase. *AIP Proceedings of the 13th Mechanics of Hearing Workshops*  
Date: 19-24 June 2017  
Location: St. Catharines, Ontario, Canada, 1965(1), 17004-1-17004-9.  
<https://aip.scitation.org/toc/apc/1965/1?expanded=1965>
5. Shibata, S. B., Ranum, P. T., Moteki, H., Pan, B., Goodwin, A. T., Goodman, S. S., Abbas, P. J., Holt, J. R., Smith, R. J. (2016). RNA Interference Prevents Autosomal-Dominant Hearing Loss. *American Journal of Human Genetics*, 98(6), 1101-13.
6. Shune, S. E., Moon, J. B., Goodman, S. S. (2016). The Effects of Age and Preoral Sensorimotor Cues on Anticipatory Mouth Movement During Swallowing. *Journal of speech, language, and hearing research : JSLHR*, 59(2), 195-205.
7. Mertes, I. B., Goodman, S. S. (2016). Within- and Across-Subject Variability of Repeated Measurements of Medial Olivocochlear-Induced Changes in Transient-Evoked Otoacoustic Emissions. *Ear and hearing*, 37(2), 72-84.
8. \*\*\* Kopelovich, J. C., Robinson, B. K., Soken, H., Verhoeven, K. J., Kirk, J. R., Goodman, S. S., Hansen, M. R. (2015). Acoustic Hearing After Murine Cochlear Implantation: Effects of Trauma and Implant Type. *The Annals of otology, rhinology, and laryngology*, 124(12), 931-9.
9. \*\*\* Ueberfuhr, M. A., Fehlberg, H., Goodman, S. S., Withnell, R. H. (2015). A DPOAE assessment of outer hair cell integrity in ears with age-related hearing loss. *Hearing research*, 332, 137-150.
- 10 \*\*\* Tumanova, V., Zebrowski, P. M., Goodman, S. S., Arenas, R. M. (2015). Motor practice effects and sensorimotor integration in adults who stutter: Evidence from visuomotor tracking performance. *Journal of fluency disorders*, 45, 52-72.
- 11 \*\* Ou, H., Bentler, R. A., Goodman, S. S. (2015). The effect on localization of frequency-specific gain reduction schemes when matched and mismatched across ears. *International journal of audiology*, 54(6), 359-67.
- 12 \* Lewis, J. D., Goodman, S. S. (2014). Basal Contributions to Short-Latency Transient-Evoked Otoacoustic Emission Components. *Journal of the Association for Research in Otolaryngology*, 16(1), 29-45.  
Online Oct 11, 2014. 17 pages
- 13 \* Lewis, J. D., Goodman, S. S. (2014). The effect of stimulus bandwidth on the nonlinear-derived tone-burst-evoked otoacoustic emission. *Journal of the Association for Research in Otolaryngology : JARO*, 15(6), 915-31.
- 14 \* Goodman, S. S., Mertes, I. B., Lewis, J. D., Weissbeck, D. K. (2013). Medial olivocochlear-induced transient-evoked otoacoustic emission amplitude shifts in individual subjects. *Journal of the Association for Research in Otolaryngology : JARO*, 14(6), 829-42.
- 15 \*\*\* Soken, H., Robinson, B. K., Goodman, S. S., Abbas, P. J., Hansen, M. R., Kopelovich, J. C. (2013).

- . Mouse cochleostomy: a minimally invasive dorsal approach for modeling cochlear implantation. *The Laryngoscope*, 123(12), E109-15.
- 16 \* Mertes, I. B., Goodman, S. S. (2013). Short-latency transient-evoked otoacoustic emissions as predictors of hearing status and thresholds. *The Journal of the Acoustical Society of America*, 134(3), 2127-35.
- 17 \* Goodman, S. S., Bentler, R. A., Dittberner, A., Mertes, I. B. (2013). The effect of low-level laser therapy on hearing. *ISRN otolaryngology*, 2013, 916370.
- 18 \* Goodman, S. S., Mertes, I. B., Scheperle, R. A. (2011). "Delays and growth rates of early and late TEOAE components". What Fire is in Mine Ears: Progress in Auditory Biomechanics. *AIP Conf. Proc.*, 1403, 279-285.
- 19 \* Scheperle, R. A., Goodman, S. S., Neely, S. T. (2011). Further assessment of forward pressure level for in situ calibration. *The Journal of the Acoustical Society of America*, 130(6), 3882-92.
- 20 \* Keefe, D. H., Goodman, S. S., Ellison, J. C., Fitzpatrick, D. F., Gorga, M. P. (2011). Detecting high-frequency hearing loss with click-evoked otoacoustic emissions. *The Journal of the Acoustical Society of America*, 129(1), 245-61.
- 21 \* Lewis, J. D., Goodman, S. S., Bentler, R. A. (2010). Measurement of hearing aid internal noise. *The Journal of the Acoustical Society of America*, 127(4), 2521-8.
- 22 \* Goodman, S. S., Fitzpatrick, D. F., Ellison, J. C., Jesteadt, W., Keefe, D. H. (2009). High-frequency click-evoked otoacoustic emissions and behavioral thresholds in humans. *The Journal of the Acoustical Society of America*, 125(2), 1014-32.

## Publications Under Review

### *Journal Article*

- 2021 Boothalingam S, Goodman SS, MacCrae H, and Dhar S. A Time-course-based estimation of the human medial olivocochlear reflex function using clicks. *Frontiers in Neuroscience*.
- 2021 Stiepan, S. Goodman SS, and Dhar, S. Optimizing DPOAE Recordings in Normal-Hearing Ears by Adopting Cochlear Place-Specific Stimuli. Full working draft for submission to *Journal of the Acoustical Society*.

## Publications In Progress

### *Journal Article*

- 2021 Goodman SS, Lefler S, Guinan, Jr., JJ, Lichtenhan, JT, Identifying the Origins of Cochlear Action Potentials and Pip-Evoked Otoacoustic Emissions. Full working draft for submission to *JARO*.
- 2021  
2021 Tay, Goodman, Lichtenhan, Lefler, Guinan Jr. Identifying the Origins of Cochlear Action Potentials and Pip-Evoked Otoacoustic Emissions using a novel chemical subtraction method. For submission to *JARO*.

## Grants and Contracts

### *Funded*

- Jan 2017 - Dec 2022 *Iowa Cochlear Implant Grant VII P50*  
Funded by NIH/NIDCD. Percent effort: 5. Investigator/s Carolyn J Brown (Principal Investigator), Paul J Abbas (Co-Principal), Shawn S Goodman (Investigator).

*Identifying the Sources of Degraded Speech-in-Noise Understanding and Individualized*

*Therapeutic Options*

Funded by Department of Defense Hearing Restoration Research Program.

Percent effort: 11. Investigator/s Inyong Choi (Investigator), Shawn S Goodman (Co-Investigator).

- Jan 2016 - Dec 2020 *Origins of Physiological Measurements From the Ear R01*  
Funded by NIH/NIDCD. Investigator/s Jeffery Lichtenhan (Principal Investigator), Shawn S Goodman (Consultant).
- Jan 2010 - Dec 2012 *American Speech-Language-Hearing Foundation Clinical Research Grant*  
Funded by Using distortion product otoacoustic emissions to monitor ototoxicity in pediatric cancer patients. Award amount: (\$75,000.00). Investigator/s Shawn S Goodman (Principal Investigator).
- Jan 2010 - Dec 2011 *American Cancer Society / Holden Comprehensive Cancer Center seed grant*  
Funded by Using high-frequency transient otoacoustic emissions to monitor ototoxicity in pediatric cancer patients. Award amount: (\$21,000.00). Investigator/s Shawn S Goodman (Principal Investigator).
- Dec 2009 *Research Award*  
Funded by GN Resound. Award amount: (\$25,000.00). Investigator/s Shawn S Goodman.
- Dec 2008 *Research Award*  
Funded by GN Resound. Award amount: (\$12,000.00). Investigator/s Shawn S Goodman.
- Dec 2007 *Old Gold Summer Fellowship*  
Funded by University of Iowa. Award amount: (\$6,000.00). Investigator/s Shawn S Goodman.
- Jan 2004 - Dec 2006 *Using SFOAEs to Measure the Medial Olivocochlear Reflex, Boys Town National Research Hospital*  
Funded by NIH Individual Postdoctoral Fellowship F32 grant (DC007023). Investigator/s Shawn S Goodman (Principal Investigator).

**Currently Under Review**

*Industry contract with Frequency Therapeutics for 30-50% academic salary* Shawn Goodman (Principal Investigator)

*Transforming Hearing Screening with a Combined Cochlear and Neural Integrity Test*  
Funded by Department of Defense. Sriram Boothalingham (Principal Investigator), Shawn S Goodman (Co-Investigator).

*Title: Speech-in-noise perception: endophenotypes, genetic susceptibility, and risk modeling.* Ishan Bhatt (Principal Investigator), Shawn S Goodman (Co-Investigator). Mechanism: NIDCD R01, Total funds requested: \$3,279,613

*Title: Genetic basis of phenotypic heterogeneity in otoacoustic emissions*  
Ishan Bhatt (Principal Investigator), Shawn S Goodman (Co-Investigator). Mechanism: NIDCD R21, Total funds requested: \$275,000

**Not Funded**

- Feb 2021 *Origins of Physiological Measurements from the Ear*  
Funded by NIH/NIDCD. Percent effort: 44. Investigator/s Jeffery T Lichtenhan (Principal Investigator), Shawn S Goodman (Co-Investigator), John J Guinan, Jr. (Consultant).
- Nov 2018 *Effects of Ototoxic Antibiotic Treatment on Hearing*  
Funded by NIH. Percent effort: 0.12. Investigator/s Lisa Hunter (Co-Investigator), Patrick Feeny (Co-Investigator), Shawn Goodman (Co-Investigator).
- Jan 2017 *Neural correlates of selective listening in multi-talker environment*

Dec 2009

Funded by Hearing Health Foundation. Investigator/s Inyong Choi (Principal Investigator), Camille Dunn (Co-Principal), Shawn S Goodman (Co-Principal).  
*NIH R03 grant (DC007023), Using high-frequency TEOAEs to monitor ototoxicity in pediatric cancer patients*

Funded by University of Iowa. Investigator/s Shawn S Goodman (Principal Investigator).

## Invited Lectures and Conference Presentations

### Conference Presentation

#### International

2018 Otoacoustic Emissions: Evoking the Future (Workshop), *Identifying the Origin(s) of Stimulus Frequency Otoacoustic Emissions*, National Institute on Deafness and Other Communication Disorders, San Marino, California, United States Presenters/Authors: Goodman, Shawn S, Lichtenhan, Jeffery, Guinan, John J, Lee, Choongheong

### Guest Speaker

#### Regional

2018 University of Iowa Auditory Neuroscience Symposium, *Medial Olivocochlear Input-Output Functions and Speech Perception in Background Noise*, The University of Iowa, Iowa City, Iowa, United States Presenters/Authors: Goodman, Shawn S

### Oral

#### National

2011 ASHA convention, *Innovations in Assessing Auditory Function Using Objective and Subjective Measures*, American Speech-Language Hearing Association, San Diego, California, United States

2009 American Academy of Audiology, *Featured Session (OAEs: Research to Practice)*, Dallas, Texas, United States

2008 ANSI S3/WG48 (Hearing Aid Standards Working Group), *Presentation on noise measurement*, Charlotte, North Carolina, United States

#### State

2011 Iowa Speech-Language Hearing Association, ISHA convention, *Comparison of High-Frequency TEOAEs and DPOAEs for Monitoring Ototoxicity Patients*, Des Moines, Iowa, United States

2010 Iowa Speech-Language Hearing Association, *Lecture on use of high-frequency otoacoustic emissions to monitor ototoxicity in pediatric cancer patients*, Iowa City, Iowa, United States

### Poster

#### International

2017 International Mechanics of Hearing, *Frequency, Magnitude, and Phase Effects of MOCR Activation on TEOAEs*, Ontario, Canada Peer-Reviewed/Refereed Presenters/Authors: Goodman, Shawn S Student Presenters/Authors: VenkitaKrishnan, Soumya

#### National

2021 ARO 44th MidWinter Meeting, *The origin along the cochlea of tone pip-evoked otoacoustic emissions*, Association for Research in Otolaryngology, Virtual Conference, S.S. Goodman, S.M. Lefler, J.J. Guinan Jr., J.T. Lichtenhan

2021 ARO 44th MidWinter Meeting, *Endolymphatic Hydrops Can Produce Shifts in the Cochlear Frequency-Place Map That Can Account for Diplacusis in Ménière's Disease*, Association for Research in Otolaryngology, Virtual Conference, Lefler S, John Guinan Jr. JJ, Buchman, CA, Goodman S, Lichtenhan JT.

2020 Annual conference of the American Auditory Society, *Methodological Improvements in Auditory Efferent Measurements*, American Auditory Society, Scottsdale, Arizona, United States Presenters/Authors: Boothalingam, Sriram, Goodman, Shawn S

2020 ARO 43rd MidWinter Meeting, *Spatial Origins of Click-Evoked Cochlear Compound Action Potentials*, Association for Research in Otolaryngology, San Jose, California, United States Presenters/Authors: Shannon, Lefler, Goodman, Shawn S, Lee, Choongheon, Guinan Jr., John J, Lichtenhan, Jeffery T

- 2019 Annual Scientific and Technology Conference, *Optimizing distortion product otoacoustic emissions by adopting cochlear place-specific stimuli*, American Auditory Society, Scottsdale, Arizona, United States Peer-Reviewed/Refereed Presenters/Authors: Goodman, Shawn, Dhar, Sumitrajit Student Presenters/Authors: Stiepan, Samantha, Wilson, Uzma
- 2019 42nd MidWinter Meeting, *Identifying the Origin Along the Cochlea of Stimulus Frequency Otoacoustic Emissions*, Association for Research in Otolaryngology, Baltimore, Maryland, United States Peer-Reviewed/Refereed Presenters/Authors: Goodman, Shawn S, Lee, Choongheon, Guinan, Jr., John J, Lichtenhan, Jeffery
- 2019 142nd Mid-Winter Meeting, *The Auditory Nerve Overlapped Waveform (ANOW) as a Detector of Early-Onset, Chronic Endolymphatic Hydrops*, Association for Research in Otolaryngology, Baltimore, Maryland, United States Peer-Reviewed/Refereed Presenters/Authors: Lee, Choongheon, Valenzuela, Carla, Hirose, Keiko, Goodman, Shawn, Buchman, Craig, Lichtenhan, Jeffery
- 2018 Association for Research in Otolaryngology, *Identifying the Origins of Cochlear Action Potentials, Transient Otoacoustic Emissions, and Stimulus Frequency Otoacoustic Emissions*, San Diego, California, United States Peer-Reviewed/Refereed Presenters/Authors: Lee, Choongheon, Goodman, Shawn S, Guinan, John J, Lichtenhan, Jeffrey
- 2016 AAS Annual Meeting, *Medial Olivocochlear Reflex and Changes in Middle Ear Reflectance*, American Auditory Society, Phoenix, Arizona, United States Peer-Reviewed/Refereed Presenters/Authors: Goodman, Shawn S Student Presenters/Authors: Adkins, Weston J, Mueldener, Laura D
- 2015 American Auditory Society Meeting, *TEOAE-based measurement of middle ear and olivocochlear efferent reflexes*, Scottsdale, Arizona, United States Presenters/Authors: Goodman, S S, Dumanch, K A, Adkins, W D
- 2014 American Auditory Society Meeting, *Relationship between the medial olivocochlear reflex, attention, and hearing in noise*, Scottsdale, Arizona, United States Presenters/Authors: Stanziola, R W, Mertes, I B, Lewis, J D, Goodman, S S
- 2013 American Auditory Society Meeting, *Evaluation of test-retest variability of extended-frequency otoacoustic emissions in children*, Scottsdale, Arizona, United States Presenters/Authors: Sanford, C S, Goodman, S S, Weber, B A, Barua, S C
- 2013 American Auditory Society Meeting, *Generation mechanism and location of short-latency TEOAE components*, Scottsdale, Arizona, United States Presenters/Authors: Lewis, J D, Goodman, S S
- 2012 American Auditory Society Meeting, *A Bootstrapping Approach to Detect TEOAE Suppression in Individual Subjects*, Scottsdale, Arizona, United States Presenters/Authors: Weisbeck, D K, Mertes, I B, Lewis, J D, Marler, J A, Goodman, S S
- 2012 Podium presentation at the American Auditory Society Meeting, *Addressing the confounding role of standing waves on the acoustic calibration of a sound source*, Scottsdale, Arizona, United States Presenters/Authors: Habeshy, M, Goodman, S S, Withnell, R H
- 2012 American Auditory Society Meeting, *Audiometric threshold estimation using TEOAE time domain analysis*, Scottsdale, Arizona, United States Presenters/Authors: Mertes, I B, Goodman, S S
- 2012 American Auditory Society Meeting, *Evaluation of test-retest variability of high-frequency otoacoustic emissions in children*, Scottsdale, Arizona, United States Presenters/Authors: Mertes, I B, Goodman, S S, Weber, B A, Baura, S C, Brockett, J E
- 2012 Podium presentation at the American Auditory Society Meeting, *Using high stimulus level DPOAEs to probe an open loop cochlear amplifier*, Scottsdale, Arizona, United States Presenters/Authors: Fehlberg, H, Baar, K, Goodman, S S, Withnell, R H
- 2012 35th Annual MidWinter Research Meeting of the Association for Research in Otolaryngology, *Middle-Ear Anomalies and Cochlear Function in Elastic-Fiber Disorders*, San Diego, California, United States Presenters/Authors: Marler, J A, Goodman, S S, Urban, Z



- 2011 American Speech-Language and Hearing Association, *Motor Control and Stuttering: Gain and Delay Tracking Data*, San Diego, California, United States  
Presenters/Authors: Tumanova, V, Zebrowski, T, Goodman, S S, Arenas, R
- 2011 11th International Mechanics of Hearing Meeting, *Delays and growth rates of early and late TEOAE components*, Williamstown, Massachusetts, United States  
Presenters/Authors: Goodman, S S, Mertes, I B, Scheperle, R A, Lewis, J D
- 2011 American Auditory Society Meeting, *Assessing FPL calibration: Extended high frequencies and various cavity sizes*, Scottsdale, Arizona, United States  
Presenters/Authors: Scheperle, R A, Goodman, S S, Neely, S T
- 2011 American Auditory Society Meeting, *Influence of multiple TEOAE components on measurement of group delay*, Scottsdale, Arizona, United States  
Presenters/Authors: Mertes, I B, Goodman, S S
- 2011 American Auditory Society Meeting, *Thevenin-equivalent hearing aid calibration for verification of high-frequency gain*, Scottsdale, Arizona, United States  
Presenters/Authors: Lewis, J D, Goodman, S S
- 2010 American Speech-Language-Hearing Association Meeting, *Procedural learning of adults who stutter and adults with Parkinson's disease*, Philadelphia, Pennsylvania, United States  
Presenters/Authors: Tumanova, V, Zebrowski, T, Goodman, S S, Arenas, R
- 2010 American Auditory Society Meeting, *MOC suppression of extended high-frequency TEOAEs by contralateral noise*, Scottsdale, Arizona, United States  
Presenters/Authors: Goodman, S S, Mertes, I B, Sheffield, S W, Sheperle, R A, Koehlinger, K M

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## SERVICE TO THE INSTITUTION

### Department

- 2016 - Present CSD Undergraduate Advising Team, Member
- 2015 - Present AuD Visit Day, Organizer, Member
- 2017 – 2021 Undergraduate Studies, Director
- 2015 – 2021 CSD Executive Committee, Member
- 2019 - 2020 CCOM – Department Search Committee, Member
- 2018 - 2019 CCOM – Department Search Committee, Chair
- 2014 - 2015 CCOM – Department Search Committee, Committee Assignment
- 2011 - 2015 Ph.D. Studies Committee, Member
- 2013 Buyout Committee, Member
- 2010 - 2013 Undergraduate Studies Committee, Member
- 2006 - 2013 Au.D. Studies Committee, Member
- 2011 - 2012 Faculty Assembly Unit Representative (Alternate), Member

### College

- 2019 Review Committee, Mathematics Department Self-Study, Member
- 2016 - 2017 CLAS - Faculty Assembly, Member
- 2006 - 2009 Hardin Library Representative for Dept. Comm. Sciences & Disorders, Member

### University

- 2007 - 2011 Jakobsen Conference for graduate student research, Judge