



## Soumya Venkitakrishnan, Au.D. Ph.D.

### **Contact information.**

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### **American Speech-Language and Hearing Association (ASHA) Certificate of Clinical Competence (CCC)**

Not applicable/ Information not provided.

### **California Professional License**

Not applicable/ Information not provided.

### **California Teaching Credentials**

Not applicable

### **Additional Professional Licensure(s) and Credentials**

Not applicable/ Information not provided.

### **Education**

Bachelors in Audiology and Speech-Language Pathology (B.A.S.L.P) Bharati Vidyapeeth Deemed University 2012

Masters in Audiology and Speech-Language Pathology (M.A.S.L.P) Maharashtra University of Health Sciences 2014

Certificate in Animal Audiology University of Cincinnati 2022

Doctorate in Audiology (Au.D.) The University of Iowa 2022

Doctor of Philosophy (Ph.D.) The University of Iowa 2022

### **Major areas of research interests**

My long-term research goal is to conduct translational research that can improve clinical practice both diagnostically and in the area of hearing rehabilitation. Specifically, my research aims are two-fold: 1. Changing the clinical test-battery to include measures more sensitive to real-world functioning and more predictive of hearing device outcomes; 2. My second aim is to improve hearing aid outcomes in older adults.

### **Publications and papers completed.**

Giuliani, N., Venkitakrishnan, S., & Wu, Y. H. (in review). Vcoded Sentences Produce Greater Pupil Dilation and Subjective Listening Effort than Performance-Matched Sentences in Speech-Shaped Noise.

Venkitakrishnan, S., Urbanski, D., & Wu, Y. H. (in progress). Non-customized gain frequency responses for pre-configured hearing aids: A clinical trial.

Goodman, S. S., Venkitakrishnan, S., Adkins, W. J., & Mueldener, L. D. (2018, May). Effects of middle-ear and medial olivocochlear reflexes on TEOAE frequency, magnitude, and phase. In AIP Conference Proceedings (Vol. 1965, No. 1, p. 170004). AIP Publishing.

### **Presentations completed.**

Posters

Venkitakrishnan, S., Fitzgerald, M. B., & Wu, Y. H. (2021) Subjective and Objective measures of emotional responses to speech-in-noise. Poster presented at Stanford Research Day 2021.

Venkitakrishnan, S., Giuliani, N., & Wu, Y. H. (2020). Facial expressions as an index of listening difficulty and its relationship to listening effort. Poster presented at American Academy of Audiology's annual conference, online poster session. (Converted to online format due to COVID-19).

Venkitakrishnan, S., Urbanski, D., & Wu, Y. H. (2020). Non-customized gain frequency responses for pre-configured hearing aids: A clinical trial. Poster presented at American Auditory Society's annual conference; Scottsdale, Arizona.

Venkitakrishnan, S., Urbanski, D., & Wu, Y. H. (2020). Validation of a fitting method for over-the-counter hearing aids: A clinical trial. Poster presented at Association for Research in Otolaryngology annual conference: San Jose, California.

Venkitakrishnan, S., Giuliani, N., & Wu, Y. H. (2019). Facial expressions as a measure of listening difficulty. Poster presented at American Auditory Society's annual conference; Scottsdale, Arizona.

Tambay, M. & Venkitakrishnan, S. (2011). Speech-language Intervention Post Traumatic Brain Injury- A case study. Poster Presented at the Bharati Research Conference.

Sarda, S., Venkitakrishnan, S. & More, A. (2010). A revised audiological test battery in the fitting of monaural vs. binaural hearing aids. Poster presented at the International Symposium on Audiological Medicine.

### Oral presentations

Venkitakrishnan, S., Giuliani, N., & Wu, Y. H. (2021). Examining Emotional Responses to speech in noise using Facial Expressions. Technical Research Session at American Speech-Language-Hearing Association's Annual Convention; Washington, D. C.

Venkitakrishnan, S., Urbanski, D., & Wu, Y. H. (2021). Performance and Preferences for Pre-configured vs Audiologist-programmed hearing aids. Technical Research Session at American Speech-Language-Hearing Association's Annual Convention; Washington, D. C.

Wallace, A., Kaufman, E., Roecker, L., Stirn, J., & Venkitakrishnan, S. (2019). Aural rehabilitation. Oral presentation at the Departmental Professional Seminar; Department of Communication Sciences and Disorders, University of Iowa; Iowa City, Iowa.

Venkitakrishnan, S., Urbanski, D., & Wu, Y. H. (2019). Efficacy and effectiveness of evidence-based gain-frequency responses for pre-configured hearing aids: A clinical trial. Oral presentation at the Departmental Professional Seminar; Department of Communication Sciences and Disorders, University of Iowa; Iowa City, Iowa.

Venkitakrishnan, S., Giuliani, N., & Wu, Y. H. (2018). Do your facial expressions reveal your listening effort? Oral presentation at the Departmental Professional Seminar; Department of Communication Sciences and Disorders, University of Iowa; Iowa City, Iowa.

Venkitakrishnan, S., & Goodman, S. S. (2017). Temporal relationships between cochlear mechanics and transient otoacoustic emissions. Oral presentation at the Departmental Professional Seminar; Department of Communication Sciences and Disorders, University of Iowa; Iowa City, Iowa.

Venkitakrishnan, S. & Valame, D. A. (2014). Effects of stimulus intensity on tone-burst evoked Stacked Auditory Brainstem Response in individuals with normal hearing sensitivity and with cochlear hearing loss. Oral presentation at 47th National Conference of Indian Speech and Hearing Association 2015 at Manipal.

### Other works

Goodman, S. S., Venkitakrishnan, S., Adkins, W. J., & Mueldener, L. D. (2017). Effects of Middle Ear and Medial Olivocochlear Reflexes on TEOAE Frequency, Magnitude and Phase. Oral presentation by Dr. Goodman at the Mechanics of Hearing Conference 2017, Ontario, Canada.

Venkitakrishnan, S. & Valame, D. A. (2014). Effects of stimulus intensity on tone-burst evoked Stacked Auditory Brainstem Response in individuals with normal hearing sensitivity and with cochlear hearing loss. A dissertation submitted in partial fulfillment of the degree of Master of Audiology and Speech-Language Pathology.

#### Accepted proposals.

Venkitakrishnan, S., Giuliani, N., & Wu, Y. H. (2020, November). 11971: Emotional Responses to Speech in Noise using Facial Expressions. Proposal for oral presentation accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled)

Venkitakrishnan, S., Urbanski, D., & Wu, Y. H. (2020, November). 11974: Performance and Preferences for Pre-configured vs. Audiologist-programmed Hearing Aids. Proposal for oral presentation accepted at the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA (Convention canceled).

#### **Grants submitted.**

Not applicable/ Information not provided.

#### **Grants awarded.**

Not applicable/ Information not provided.

#### **Activities related to clinical service delivery.**

Not applicable/ Information not provided.

#### **Clinical supervision experience**

Not applicable/ Information not provided.

#### **Professional development experiences**

##### Intercultural training and leadership

Team member of Clinical Effectiveness Leadership Training (CELT) and Realizing Improvement through Team Empowerment (RITE) program- 2021-22, Stanford Healthcare: Aims to enhance improvement capability within the clinical operations of Stanford Medicine through organizational alignment, improvement methods, effective teamwork, data-driven systems thinking, and organizational learning.

Secretary, International Student Advisory Board (ISAB) at University of Iowa: Aims to voice concerns of international students, advocate for them and help bring about change at the University level. During this term, ISAB won the University of Iowa's Diversity Catalyst Award. This award is given to individuals/ organizations who have engaged in DEI initiatives and promoted the development of an inclusive and diverse campus community.

Engaging across cultures certificate: A non-academic professional development certificate to learn about fostering an intercultural campus and skills for intercultural sensitivity in the workplace.

Bridging domestic and global diversity certificate: intercultural leadership program: A leadership training program trained to increase intercultural awareness, intercultural leadership skills while enhancing understanding and connection through diversity.

#### **Professionally related service activities**

Reviewer

Commentator for undergraduate research event ESURF 2021 organized by Iowa Center for Research by Undergraduates.

Reviewer for Journal of American Academy of Audiology.

Reviewer for Ear and Hearing.

Grant reviewer for the Graduate and Professional Student Government, University of Iowa: review research, travel, and service grants for 6 cycles per year: Fall 2019- Present

## **Community Partnerships/Community Outreach**

Coordinated the STEM Family Night at Children's Museum, Coralville: This event focused on spreading awareness about Audiology and how science, technology, engineering, and mathematics is interwoven into Audiology.

HawkEars/ UI-Employee Health Fair: Volunteered at the Iowa Fryfest in a stall creating awareness about hearing damage due to loud sounds and promoting the use of hearing protection devices.

STEM night at Iowa Children's Museum: Volunteered at a stall talking to children about sound and about how to protect hearing.

Special Olympics Screening: Screened the hearing of participants at the Iowa Special Olympics.

Healthy hearing presentation to 3 classes (63 students) at College of Education: Educated the future educators about the auditory system and hearing loss prevention. Also presented ways to convey these concepts to elementary school students using different demonstrations, fun-facts, videos etc.

Made sound measurements at the Campus Recreation and Wellness Center during group fitness classes. Coordinated effort in disseminating results, providing awareness regarding the harmful effects of loud music during these sessions as well as promoting safe hearing practices in these environments.

Supervised and coordinated conducting hearing and speech language screenings at a preschool.

Supervised a healthy hearing event conducted over Zoom to a University Sorority group.

## **Service on Departmental, College and University committees.**

Not applicable/ Information not provided.

## **Academic/Professional Honors and Recognition**

PhD New Investigator Award 2021, Communication Sciences and Disorders, University of Iowa.

Audiology/ Hearing Science Research Travel Award (ARTA) to attend ASHA convention 2021: July 2021

University of Iowa's Ballard and Seashore Dissertation Fellowship: Spring 2021

Paul Abbas Award 2020, Communication Sciences and Disorders, University of Iowa.

Fellowship Incentive Award, Graduate College, University of Iowa, 2019-20.

University of Iowa Graduate and Professional Student Government's Research Grant for dissertation study, March 2020.

University of Iowa's Graduate College Summer Fellowship, Summer 2020.

American Academy of Audiology's Student Travel Award Reimbursement (STAR) for attending American Academy of Audiology's annual conference, April 2020.

Mentored Travel Award for attending and presenting a poster at American Auditory Society's Annual Conference, January 2019, and January 2020.

Travel award for attending the Association for Research in Otolaryngology Annual Conference 2020

American Academy of Audiology Foundation's Judith Blumsack Scholarship, August 2019.

Fellowship Incentive Award, Graduate College, University of Iowa, 2018-19.

Digital Scholarship and Publishing Studio Summer Fellowship, Graduate College, University of Iowa, Summer 2019.

American Academy of Audiology Foundation's Sadanand Singh Memorial Scholarship, August 2018.

University of Iowa's Center for the Integration of Research, Teaching, and Learning (CIRTL)'s Teaching-As-Research Fellowship: Summer 2017.

Travel Award for Mechanics of Hearing Conference, Brock University, Ontario, Canada, 2017.

## **Media Highlights**

International Student Profile: Soumya Venkitakrishnan, by Amy Brewster in Iowa International Programs on July 27, 2020:  
<https://international.uiowa.edu/news/international-student-profile-soumya-venkitakrishnan>

Focus on Foundation | Student Scholarship Winners, by Patrician Gaffney in Audiology Today September/ October 2019:  
<https://www.audiology.org/audiology-today-septemberoctober-2019/focus-foundation-student-scholarship-winners>

## **Professional Affiliations/Memberships**

Rehabilitation Council of India: Reg No. A27390

Indian Speech and Hearing Association- L14092420 (Life Member)

Student Academy of Audiology (National and Iowa State chapter)

American Auditory Society

Association for Research in Otolaryngology.

National Student Speech Language Hearing Association.

California RPE temporary license

## **Courses taught at Sacramento State**

CSAD 610. Introduction to Clinic.  
Fall 2022

CSAD 614. Audiologic Evaluation.  
Fall 2023

CSAD 620. Clinical Methods: Communicating with Patients  
Spring 2023

CSAD 622. Amplification I.  
Spring 2023

CSAD 622L. Amplification I Lab.  
Spring 2023

CSAD 630C. Audiology Clinic III.  
Summer 2023

CSAD 631. Amplification II.  
Summer 2023

CSAD 640. Clinical Methods: Current Topics in Audiology.  
Fall 2023

CSAD 641L. Auditory Evoked Potentials Lab.  
Fall 2022, 2023

CSAD 670. Clinical Methods: Professional Issues.  
Fall 2022, 2023

CSAD 671. Counseling in Audiology.  
Fall 2022

CSAD 680. Clinical Methods: Differential Diagnosis  
Spring 2023

<sup>BS</sup> Courses taught in the Communication Sciences and Disorders Bachelor of Science program.

<sup>2B</sup> Courses taught in the Communication Sciences and Disorders Second Bachelor program (CSAD2B)

<sup>MS</sup> Courses taught in the Communication Sciences and Disorders Master of Science program.

<sup>A</sup> Courses taught in the Communication Sciences and Disorders Doctor of Audiology program.

<sup>SL</sup> Courses taught in the Communication Sciences and Disorders Summer SLPA program.