

**Valerie A. Ingalls**  
**Doctoral Candidate – Communication Sciences and Disorders**  
Curriculum Vitae as of October 31, 2025

**CONTACT**

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**CAREER AND GOALS**

Valerie is a doctoral candidate in the University of Iowa's Department of Communication Sciences and Disorders. Her research focuses on investigating the genetics and other risk factors underlying acquired hearing disorders, with the goal of developing the foundational knowledge needed to advance toward precision medicine in audiology. She uses both traditional statistics and machine learning methods to explore genome-wide and phenome-wide effects on hearing. Valerie is a dedicated researcher and educator and is most interested in a faculty position.

**EDUCATION AND PROFESSIONAL HISTORY**

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**Higher Education**

- 2023 – Present     **Graduate Certificate in College Teaching**, University of Iowa, Iowa City, IA  
Expected Completion: May 2026
- 2022 – Present     **Ph.D.**, Speech and Hearing Science, University of Iowa, Iowa City, IA  
Expected Completion: May 2026
- 2021 – 2022        **Post-Baccalaureate Coursework**, (Speech, Language, and Hearing Science),  
University of Minnesota – Twin Cities, Minneapolis, MN
- 2015 – 2019        **Bachelor of Arts with Honors**, Psychology, St. Olaf College, Northfield, MN  
Concentrations: Neuroscience, Linguistic Studies

**Honors and Awards**

- 2025                **Student Travel Award Poster Forum**, American Auditory Society, 2025 Annual  
Scientific and Technology Conference
- 2025                **Mentored Research Travel Award**, American Auditory Society, 2025 Annual  
Scientific and Technology Conference
- 2023                **Travel Award**, Association for Research in Otolaryngology, 2023 MidWinter Meeting
- 2022 – Present     **Graduate College Iowa Recruitment Fellowship**, University of Iowa, Iowa City, IA

**Professional Memberships**

- 2024 – Present     American Auditory Society
- 2022 – Present     Association for Research in Otolaryngology

**Teaching and Research**

- Fall 2025            **Teaching Practicum**, CSD 6290: Auditory Evoked Potentials  
Primary Instructor: Dr. Ishan S. Bhatt, Ph.D., CCC-A, F-AAA

- Spring 2025      **Teaching Practicum**, CSD 5224: System and Signal Theory for Speech and Hearing Science  
Primary Instructor: Dr. Shawn S. Goodman, Ph.D.
- Fall 2024      **Teaching Assistant**, CSD 3116: Basic Neuroscience for Speech and Hearing  
Primary Instructor: Dr. Stewart McCauley, Ph.D.
- 2022 - Present      **Graduate Research Assistant**, Audiogenomics Research Lab at University of Iowa, CSD  
Primary Investigator: Dr. Ishan S. Bhatt, Ph.D., CCC-A, F-AAA
- Fall 2022      **Teaching Assistant**, CSD 6519: Evidence-Based Practice  
Primary Instructor: Dr. Jean K. Gordon, Ph.D., CCC-SLP

### Community

- 2022 – 2024      **Treasurer and Cofounder**, Grad Pride+, a campus student organization dedicated to building community for LGBTQ+ graduate and professional students

### GUEST LECTURES

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#### University of Iowa, Iowa City, IA

- April 2025      **FIR Filters**, CSD 5224: System and Signal Theory for Speech and Hearing Science
- February 2025      **Fourier Decomposition: The Discrete Fourier Transform (Part 2)**, CSD 5224: System and Signal Theory for Speech and Hearing Science
- February 2025      **Fourier Decomposition: The Discrete Fourier Transform (Part 1)**, CSD 5224: System and Signal Theory for Speech and Hearing Science
- October 2022      **Appraising Diagnostic Evidence**, CSD 6519: Evidenced-Based Practice.

### PUBLICATIONS

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**Ingalls, V.**, Bhagavan, S. G., Goodman, S., Dhar, S., Dias, R., Bhatt, I. S. (Under Review). Genetic Predisposition to Age-Related Hearing Loss Explains Audiogram Variability Among Healthy Young Adults.

Bhatt, I. S., Raygoza Garay, J. A., Bhagavan, S. G., **Ingalls, V.**, Dias, R., & Torkamani, A. (2024). Polygenic Risk Score-Based Association Analysis Identifies Genetic Comorbidities Associated with Age-Related Hearing Difficulty in Two Independent Samples. *Journal of the Association for Research in Otolaryngology*, 25(4), 387–406. <https://doi.org/10.1007/s10162-024-00947-0>

Bhatt, I. S., Garay, J. A. R., Bhagavan, S. G., **Ingalls, V.**, Dias, R., & Torkamani, A. (2024). A genome-wide association study reveals a polygenic architecture of speech-in-noise deficits in individuals with self-reported normal hearing. *Scientific Reports*, 14(1), 13089. <https://doi.org/10.1038/s41598-024-63972-2>

Bhatt, I.S., Ramadugu, S.K., Goodman, S., Bhagavan, S.G., **Ingalls, V.**, Dias, R., & Torkamani, A. (2023). Polygenic Risk Score-Based Association Analysis of Speech-in-Noise and Hearing Threshold Measures in Healthy Young Adults with Self-reported Normal Hearing. *Journal of the Association for Research in Otolaryngology*, 24, 513-525.

## **PRESENTATIONS**

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**Ingalls, V.,** Bhagavan, S. G., Bhatt, I. S. (2025). Genetic Predisposition to Age-Related Hearing Loss Explains Intersubject Variability in Audiograms Among Young Adults. Research poster presentation at the University of Iowa Communication Sciences and Disorders Poster Presentation. Iowa City, IA.

**Ingalls, V.,** Bhagavan, S. G., Bhatt, I. S. (2025). Genetic Predisposition to Age-Related Hearing Loss Explains Intersubject Variability in Audiograms Among Young Adults. Research poster presentation at the 2025 American Auditory Society Annual Scientific & Technology Conference. Scottsdale, AZ.

**Ingalls, V.,** Bhagavan, S. G., Bhatt, I. S. (2025). Genetic Predisposition to Age-Related Hearing Loss Explains Intersubject Variability in Distortion Product Otoacoustic Emissions Among Young Adults. Research podium presentation at the 2025 American Auditory Society Annual Scientific & Technology Conference. Scottsdale, AZ.

**Ingalls, V.,** Bhagavan, S. G., Bhatt, I. S. (2025). Genetic Predisposition to Age-Related Hearing Loss Explains Intersubject Variability in Audiograms Among Young Adults. Research podium presentation at the Student Travel Awards Poster Forum at the 2025 American Auditory Society Annual Scientific & Technology Conference. Scottsdale, AZ.

**Ingalls, V.,** Bhatt, I. (April 2024). Identifying Risk for Acquired Hearing Loss: Toward Practical Applications of Genomics in Clinical Settings. Talk given at professional seminar for the Department of Communication Sciences and Disorders, University of Iowa

Bhagavan, S.G., **Ingalls, V.,** Bhatt, I. (February 2024). Deconstructing and Quantifying Peripheral Supra-Threshold Auditory Phenotypes in Young Adults with Chronic Tinnitus. Podium presentation at the 2024 Annual Conference of the National Hearing Conservation Association

Kingsbury, H.A., Kingsbury, S., Bhagavan, S.G., **Ingalls, V.,** Bhatt, I. (March 2023). Investigating Peripheral Sources of Chronic Tinnitus in Young Normal-Hearing Adults. Poster presentation at the 2023 American Auditory Society Scientific and Technology Meeting.

Bhagavan, S.G., Kingsbury, H.A., **Ingalls, V.,** Bhatt, I. (March 2023). Auditory Difficulties in Normal-Hearing Young Adults with High Lifetime Noise Exposure. Poster presentation at the 2023 American Auditory Society Scientific and Technology Meeting.

**Ingalls, V.,** Bhatt, I. (February 2023). Developing a Generalized Risk Model for Tinnitus. Podium presentation given at the 46<sup>th</sup> Annual MidWinter Meeting of the Association for Research in Otolaryngology, Orlando, Florida

## **REFERENCES**

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### **Dr. Ishan Bhatt, Ph.D., CCC-A, F-AAA**

Associate Professor

University of Iowa, Department of Communication Sciences and Disorders

319-467-1860

Ishan-Bhatt@uiowa.edu

Dr. Bhatt is my PhD advisor and directs the Audiogenomics Lab where I work as a research assistant.

### **Dr. Shawn Goodman, Ph.D., CCC-A**

Associate Professor; Director of Graduate Studies; Director of PhD Studies

University of Iowa, Department of Communication Sciences and Disorders

319-335-8700

Shawn-Goodman@uiowa.edu

Dr. Goodman was my instructor for several courses, supervised one of my teaching practicums, and is a research collaborator.

### **Dr. Elizabeth Walker, Ph.D., CCC-A/SLP**

Associate Professor; Director of Undergraduate Studies

University of Iowa, Department of Communication Sciences and Disorders

319-353-8980

Elizabeth-Walker@uiowa.edu

Dr. Walker was my instructor for several courses and served as a member of my PhD committee.