

# CURRICULUM VITAE

## Tammy L. Fredrickson

### EDUCATIONAL BACKGROUND

- 2010 Ph.D., Speech, Language & Hearing Science; University of Colorado, Boulder  
Dissertation Title: *Visual Reinforcement Infant Speech Discrimination: Developing a Method of Performance Analysis*, Advisor: Christine Yoshinaga-Itano, PhD
- 1998 M.S., University of Wisconsin at Stevens Point; Audiology
- 1996 B.S., University of Wisconsin at Stevens Point; Communicative Disorders

### CERTIFICATION

Certificate of Clinical Competence (CCC) in Audiology - the American Speech-Language-Hearing Association  
Certificate Holder – Audiology Preceptor - American Board of Audiology (2017)

### PROFESSIONAL EXPERIENCE

- 2018 - current Associate Clinical Professor, Director of Clinical Audiology Education - University of Colorado Boulder, Boulder, CO
- Responsibilities:
- Council on Academic Accreditation: Program Director (2022)
  - Leadership Education in Neurodevelopmental and Related Disabilities (LEND) – consultant; assist with student training/experiences; supervise trainees as they work on LEND-related projects
  - coordinate Doctorate of Audiology (AuD) students' clinical practicum experiences/rotations;
  - communicate with and visit offsite clinics and supervisors;
  - develop/maintain clinical guidance/evaluations for students and supervisors;
  - meet with students regularly to review clinical progress;
  - supervise provision of audiological services by graduate students with patients at University of Colorado Hospital (services include behavioral diagnostic testing for all ages/populations, hearing aid fittings, repairs, and modifications) (lapse from March 2020 – August 2022 due to COVID impacts);
  - supervise provision of small group audiological rehabilitation classes by graduate students in both audiology and speech-language pathology for adults in the Boulder/Denver area
  - supervise provision of interdisciplinary auditory processing assessments with clients at CU's Speech, Language, and Hearing Clinic
  - work with students to develop their ability to provide high quality audiological services to their patients
  - ensure the AuD program meets accreditation standards

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- work closely with the Chair of the AuD Program to review curriculum, advise students, schedule coursework
- develop and implement clinical simulations for use as simulated learning experiences with AuD students (1<sup>st</sup> – 4<sup>th</sup> year) (beginning in March 2020)

2010 – 2018

Assistant Clinical Professor, Director of Clinical Audiology Education, University of Colorado Boulder, Boulder, CO

Responsibilities:

- teach undergraduate and graduate coursework in audiology;
- coordinate Doctorate of Audiology (AuD) students' clinical practicum experiences/rotations;
- communicate with and visit offsite clinics and supervisors;
- develop/maintain clinical guidance/evaluations for students and supervisors;
- meet with students regularly to review clinical progress;
- supervise provision of audiological services by graduate students with patients at University of Colorado Hospital (services include behavioral diagnostic testing for all ages/populations, hearing aid fittings, repairs, and modifications);
- supervise provision of small group audiological rehabilitation classes by graduate students in both audiology and speech-language pathology for adults in the Boulder/Denver area
- supervise provision of interdisciplinary auditory processing assessments with clients at CU's Speech, Language, and Hearing Clinic
- work with students to develop their ability to provide high quality audiological services to their patients
- ensure the AuD program's clinical aspects meet accreditation standards
- work closely with the Chair of the AuD Program to review curriculum, advise students, schedule coursework

2009 – 2012

Audiologist, University of Colorado Hospital, Aurora, CO  
Clinical Instructor, Department of Otolaryngology, University of Colorado Denver, School of Medicine

Responsibilities:

- diagnostic audiology – including all ages/populations; hearing aid fitting, repairs, and modifications as needed; auditory processing assessment;
- supervision of 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> year AuD students during their clinical practicum (4<sup>th</sup> year students: precepting rotation)

2005 - 2009

Audiologist, Boulder Medical Center, Boulder, CO

Responsibilities:

- diagnostic audiology – including all populations; private patients as well as those seeing ENT;
- hearing aid fitting, repairs, and modifications as needed;
- review and generate annual budget for audiology department;
- review and rectify invoices from manufacturers and direct to appropriate audiology budget account for accounting department;

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- supervise AuD students as needed
- 2003 Contract Audiologist, Grason-Stadler, Inc (GSI), Madison, WI  
Responsibilities:
- travel to train sales staff in use and troubleshooting of a newborn hearing screening device
  - travel to train nursery employees in use and troubleshooting of newborn hearing screening device;
  - attend trade shows to display and demonstrate newborn hearing screening device to attendees;
  - statistical analysis of data collected for research purposes
- 2001 – 2002 Research Audiologist, Everest BioMedical Instruments, St. Louis, MO  
Responsibilities:
- organization/implementation of research protocols for a handheld ABR/OAE screening device
- 1998 – 2002 Pediatric Audiologist, St. Louis Children’s Hospital, St. Louis, MO  
Responsibilities:
- comprehensive diagnostic audiology including ABR, OAE, and behavioral testing of children – newborn through 21;
  - NICU hearing screening and diagnostic testing;
  - fitting of amplification – newborn through 21;
  - ototoxicity monitoring;
  - patient and family counseling;
  - research as time permits

### **PUBLICATIONS - Peer Reviewed** (\* indicates graduate student of Dr. Fredrickson)

- 2019 McTee\*, H., Mood, D., **Fredrickson, T.**, Thrasher, A., Bonino, A. (2019). Using visual supports to facilitate audiological testing for children with Autism Spectrum Disorder. *American Journal of Audiology*. 28(4):823-833.
- 2015 Uhler, K., Baca, R., Dudas\*, E., & **Fredrickson, T.** (2015). Effect of Sensation Level on Infant Discrimination. *Journal of the Academy of Audiology*. 26(10): 807-14.

### **PUBLICATIONS - Invited**

- 2021 **Fredrickson, T.** “Fostering Future Audiologists – Working with Graduate Student Clinicians”; invited presentation for Educational Audiology Association Summer Conference, July 12-15.  
**Fredrickson, T.** “The Use of Simulation in Diagnostic Courses”, Pitt Communication Sciences and Disorders Biennial Teaching Conference, June 10-11.
- 2020 **Fredrickson, T.**, Mormer, E., & DeRuiter, M. Panelist. “CAPCSD Podcast: Audiology Simulation Resources”, April 24.  
<https://www.capcsd.org/podcasts/>
- 2014 **Fredrickson, T.** & Moore, S. (June). “Key Factors of Influence in Clinical Educator Relationships”; invited paper for SIG 11: Perspectives on Administration and Supervision, vol: 23, iss: 1

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**SELECT PRESENTATIONS - Peer Reviewed** (\* indicates graduate student of Dr. Fredrickson)

- 2021      Howard\*, L., Mills\*, P., Lee\*, E., Sanders\*, A., **Fredrickson, T.** (September). *Learning Clinical Skills Using Simulation*. Poster presentation at the Colorado Academy of Audiology Conference, Estes Park, CO.
- McNichols\*, E., Ducatte\*, C., Myers\*, M., & **Fredrickson, T.** (September). *Grand Rounds: Back to Basics*. Colorado Academy of Audiology Conference, Estes Park, CO.
- 2018      Thrasher, A., Yoshinaga-Itano, C., Brumbach\*, S., McTee\*, H., Pancoast\*, E., Malley\*, A., Gabbard, S., **Fredrickson, T.**, & Bonino, A.Y. (November). *Using Visual Activity Schedules & Models to Facilitate Audiological Testing for Children with Autism*. Poster presentation at the American Speech-Language-Hearing Association Conference, Boston, MA.
- Fredrickson, T.** and Marson Parker, J. (October). *APD: A Rose by any Other Name....* Colorado Academy of Audiology conference, Breckenridge, CO.
- Malley\*, A., McTee\*, H., Pancoast\*, E., Brumbach\*, S., **Fredrickson, T.**, Thrasher, A., Gabbard, S.A., Yoshinaga-Itano, C., & Bonino, A.Y. (2018). *Using Visual Activity Schedules and Models to Facilitate Audiological Testing for Children with Autism*. Poster presentation at the Colorado Academy of Audiology, Breckenridge, CO.
- Brumbach\*, S., Malley\*, A., McTee\*, H., Pancoast\*, E., **Fredrickson, T.**, Thrasher, A., Gabbard, S., Yoshinaga-Itano., C & Bonino, A., (March). *Using Visual Activity Schedules and Video Models to Facilitate Audiological Testing for Children with Autism*. Early Hearing Detection and Intervention conference, Denver, CO. \*Outstanding Poster Award
- Fredrickson, T.**, and Marson Parker, J. (February) *Diagnosing & Treating Auditory Processing Disorders*. Learning Session at Metro Speech-Language Network Conference, Denver, CO.
- 2016      Haggerty\*, W., and **Fredrickson, T.** (April) *College Athletes' Perspectives on Concussion*. Poster presented at 2016 AudiologyNOW!, Phoenix, AZ.
- Durkee\*, L., **Fredrickson, T.**, Uhler, K., Gilley, P., and Yoshinaga-Itano, C. (March). *Sound Discrimination in Infants*. Poster presented at Early Hearing Detection and Intervention Meeting, San Diego, CA.
- 2015      **Fredrickson, T.**, and Uhler, K. (November) *Infant Speech Discrimination: A Tool for Professionals Who Work with Infants/Toddlers with Hearing*

Loss. 2015 American Speech-Language-Hearing Association conference, Denver, CO.

Henry\*, M., Hirce\*, K., Wendt\*, L., **Fredrickson, T.**, and Hardin, K. (November) *Balance Error Scoring System & King-Devick Test in a Concussion Screening Protocol for Collegiate Athletes*. Poster presented at 2015 American Speech-Language-Hearing Association conference, Denver, CO.

Kenney\*, A., **Fredrickson, T.**, Snyder, C. (November) *SLP & AuD Students Working Together: A Collaborative Approach to Competency in Hearing Screening Training*. Poster presented at 2015 American Speech-Language-Hearing Association conference, Denver, CO.

Hirce\*, K., Wendt\*, L., Levin\*, W., Eppler, T., Hardin, K., **Fredrickson, T.** "Interdisciplinary Assessment of Concussion in Collegiate Athletes: AuD & SLP Working in Concert". American Speech-Language-Hearing Association conference, Denver, CO.

**Fredrickson, T.**, and Whitney, A. (November) *Interdisciplinary Clinical Educational in Graduate SLP & AuD Programs: Walk a Mile in Their Shoes!*. Poster presented at American Speech-Language-Hearing Association conference, Denver, CO.

Lien\*, T. and **Fredrickson, T.** (November) *A Retrospective, Longitudinal Study of Reliability: Audiologic Testing Procedures for Children 6 to 30 Months*. Poster presented at American Speech-Language-Hearing Association conference, Denver, CO.

**Fredrickson, T.** and Erdbruegger, D. (October) "Perspectives on Precepting: Part I - Current Practices" invited presentation at Colorado Academy of Audiology, Blackhawk, CO.

**Fredrickson, T.**, Erdbruegger, D., and Rossi-Katz, J. (October) "Perspectives on Precepting: Part II - Discussion"; invited presentation at Colorado Academy of Audiology, Blackhawk, CO.

2014 Chai\*, B., Hedman\*, M., **Fredrickson, T.**, Yoshinaga-Itano, C. (June) "Visual Reinforcement Infant Speech Discrimination: Effect of Duration on Performance"; Poster presented at 1<sup>st</sup> International Conference on Family-Centered Early Intervention, Bad Ischl, Austria.

#### **SELECT PRESENTATIONS - Non Peer Reviewed**

2019 **Fredrickson, T.** and Worthington, C. (April) "The Ins and Outs of Building Specialty Clinics"; presented at Council of Academic Programs in Communication Sciences and Disorders conference, San Diego, CA.

2017 **Fredrickson, T.** (July) "Case Study: What's the Real Problem?"; presented at Frontiers in Hearing, Estes Park, CO.

2016 Boxer\*, Z., Gilley, P., and **Fredrickson, T.** (October) "A Guide to Obtaining Auditory Oddball Responses on the BioSemi

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Electroencephalogram Portable Device”; presented at Colorado Academy of Audiology Connect and Learn, Denver, CO.

Peterman\*, M. and **Fredrickson, T.** (October) “Using Conditioned Play to Assess Speech Discrimination Abilities in Typically Developing 4 Year-Olds”; presented at Colorado Academy of Audiology Connect and Learn, Denver, CO.

Schweigert\*, M., **Fredrickson, T.**, and Hardin, K. (October) “Concussion Screening: Comparison of Vestibular Dysfunction Measures”; presented at Colorado Academy of Audiology Connect and Learn, Denver, CO.

Watson\*, K., Uhler, K., and **Fredrickson, T.** (October) “The Effect of a Reversed Oddball Paradigm in MMN Testing”; presented at Colorado Academy of Audiology Connect and Learn, Denver, CO.

## TEACHING EXPERIENCE

| Courses Taught   |
|--|
| SLHS 6650: Counseling and Professional Ethics            |
| SLHS 6660: Multicultural Issues                          |
| SLHS 5918: Audiology Clinical Practica: Level 1          |
| SLHS 4704: Audiologic Evaluation                         |
| SLHS 6544: Adult Assessment                              |
| SLHS 6514: Professional Issues in Audiology              |
| SLHS 6504: Professional Ethics in Audiology              |
| SLHS 1010: Disabilities in Contemporary American Society |

## THESES, CAPSTONE PROJECTS, & DISSERTATIONS:

### Primary Advisor

- 2021 Peyton Mills, capstone project advisor: “Use of Simulation for Training Students on Real Ear Measurements and Advanced Amplification Topics”
- 2021 Laura Howard, capstone project advisor: “Hearing Screening Protocol for Speech Language Pathologist and SLP Students”
- 2021 Janine Wilson, capstone project co-advisor: “Auditory Processing Disorder: Models and Simulated Cases”
- 2020 Alina Peisley, capstone project co-advisor: “Simulation-Based Learning”
- 2019 Sarah Mullervy, capstone project advisor: “Fostering Development of Self-Advocacy Skills in Children with Hearing Loss”
- 2018 Senia Romero, capstone project co-advisor: “Development of a Protocol and Guide for Incorporating Evoked Potentials into Auditory Processing Assessment”

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- 2018 Emily Nightengale, capstone project co-advisor: "Examining Relationships Between Daily Hearing Aid Use and Language Outcomes in Infants and Toddlers"
- 2016 Zoe Boxer, capstone project co-advisor: "A Guide to Obtaining Auditory Oddball Responses on the BioSemi Electroencephalogram Portable Device"
- 2016 Kaylee Watson, capstone project co-advisor: "The Effect of a Reversed Oddball Paradigm in MMN Testing"
- 2016 Mari Peterman, capstone project advisor: "Using Conditioned Play to Assess Speech Discrimination Abilities in Typically Developing 4 Year-Olds"
- 2016 Marin Schweigert, capstone project advisor: "Concussion Screening: Comparison of Vestibular Dysfunction Measures"
- 2015 Whitney Haggerty, capstone project advisor: "College Athletes' Perspectives on Concussion"
- 2015 Kelly VandeWyngaerde, capstone project co-advisor: "The UCH Vestibular Experience: What's New in Vestibular Assessments"
- 2015 Ariana Kenney, capstone project advisor: "Guide to Pediatric Hearing Screening"
- 2015 Mary Henry, capstone project co-advisor: "Postural stability and rapid number naming in a concussion screening protocol: Establishing baseline scores and time necessary for completion of the Balance Error Scoring System and King-Devick Test"
- 2014 Lindsey Wendt, capstone project co-advisor: "Measurement of Postural Stability to Assess Vestibular Dysfunction After Concussion"
- 2014 Kellie Hirce, capstone project co-advisor: "Vestibular Screening Protocol for Sports Related Head Injuries in Collegiate Athletes"
- 2014 Tristan Lien, capstone project advisor: "A Retrospective Longitudinal Study of Reliability: VRA and CPA testing procedures for Children Ages 6-30 Months"
- 2013 Brianna Chai, capstone project advisor: "Visual Reinforcement Infant Speech Perception: The Effect of Stimulus Duration on Performance"
- 2013 Nishat Fatima, capstone project co-advisor: "A Comparison of Data Yielded from Audiometric Smart Phone Applications versus Audiometric Data"
- 2012 Jessica Nygren, capstone project advisor: "Training Tool: Pediatric Audiological Assessment"
- 2011-2012 Megan Burgess, capstone project advisor: "Visual Reinforcement Infant Speech Discrimination: The Effect of Stimulus Duration on Performance"

### **Committee Member**

- 2014 Caleb Kronen, committee member, honors thesis: "User-Adjusted Settings for Music Listening with a Simulated Hearing Aid App: Effects of Dynamic Range Compression, Data-Rate and Genre"

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## SERVICE

### Department:

|                           |  |
|---------------------------|--|
| 2022-current<br>2022      | Program Director, Audiology<br>Faculty Search Committee <ul style="list-style-type: none"><li>• ASL Instructor</li></ul>   |
| 2021-current<br>2018-2020 | Executive Committee<br>Merit Committee   |
| 2012- current<br>2015     | AuD Committee (includes curriculum, graduate admissions)<br>Faculty Search Committee <ul style="list-style-type: none"><li>• Two audiology faculty positions (at assistant professor level)</li><li>• Director of Clinical Operations</li><li>• Director of Clinical Speech Language Pathology</li></ul> |
| 2014- current             | Student Academy of Audiology, faculty advisor  |
| 2011- current             | Clinical Education and Services Committee  |

### University:

|              |  |
|--------------|--|
| 2021-current | Dean's Advisory Committee on Instructors                         |
| 2020-2021    | College of Arts & Sciences - ad Hoc Committee on Faculty Affairs |
| 2018-2019    | College of Arts & Sciences - Instructor Task Force               |
| 2014-2015    | Concussion screening clinic                                      |

### Professional:

|                       |   |
|-----------------------|---|
| 2021-2022             | 2022 American Speech-Language-Hearing Association (ASHA) Convention - Topic Co-Chair, Supervision and Precepting  |
| 2021                  | Promotion Review: H Ditmers, University of Nebraska   |
| 2021                  | 2021 American Speech-Language-Hearing Association (ASHA) Convention – Member, Supervision and Precepting Topic Committee  |
| 2019-current          | Council of Academic Programs in Communication Sciences and Disorders (CAPCSD) – Clinical Educator Resources Committee   |
| 2018-2021             | Council of Academic Programs in Communication Sciences and Disorders (CAPCSD) – Clinical Director Basic Training Review Committee, 3 year appointment   |
| 2018-2019             | Council of Academic Programs in Communication Sciences and Disorders (CAPCSD) – 2019 Convention Planning Committee  |
| 2017                  | American Speech-Language-Hearing Association (ASHA) – AuD Education Summit Task Force   |
| 2016-2017             | Council of Academic Programs in Communication Sciences and Disorders (CAPCSD) - Subject Matter Expert, reviewer for online precepting course  |
| 2016- current<br>2015 | Council on Academic Accreditation (CAA) – Site visitor<br>Working group to update audiology evaluation form for Calipso, an online student tracking system<br>Audiology Practice Analysis Subject Matter Expert panel, American Speech Language Hearing Association |
| 2013                  | Convention Committee Member, Colorado Academy of Audiology  |



## AWARDS/RECOGNITION

- 2021 R. Steven Ackley Educators Award: in recognition of an outstanding professor in the field of audiology that exemplifies practicum and classroom excellence and a mentoring style that promotes learning in a comfortable, developmental way, Colorado Academy of Audiology
- 2021 ACE Award Recipient – Award for Continuing Education: in recognition of acquiring 70+ hours of continuing education in a 36 month period, American Speech-Language-Hearing Association (April 2021 through April 2024)
- 2021 CU Boulder Open Educator Award – honorable mention: in recognition of creation and dissemination via Creative Commons licensing of more than 55 audiology simulations created for AuD students as well as guiding framework for programs that wish to incorporate the simulations into their curriculum
- 2019 Academy Scholar for 2017-2018: in recognition of dedication to the field of audiology and commitment to continuing education, American Academy of Audiology
- 2018 ACE Award Recipient – Award for Continuing Education: in recognition of acquiring 70+ hours of continuing education in a 36 month period, American Speech-Language-Hearing Association (2018 – 2021)
- 2018 Academy Scholar for 2016-2017: in recognition of dedication to the field of audiology and commitment to continuing education, American Academy of Audiology
- 2017 Academy Scholar for 2015-2016; in recognition of dedication to the field of audiology and commitment to continuing education, American Academy of Audiology
- 2014 University of Colorado Resident Life "Instructor/Faculty of the Month" (March)
- 2004 "Best Should Teach" award – University of Colorado Boulder; in recognition of excellence in teaching and academic leadership

## FUNDING

- 2006-2007 National Organization of Hearing Research  
Direct Costs: \$9500  
Duration: 1 year  
Title: Speech and Language Development of Deaf Children: Approaches to Intervention  
Awardees: **Fredrickson, T.** and Uhler, K., Principal Investigators