

CURRICULUM VITAE
KRISTINE SONSTROM MALOWSKI

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EDUCATION

University Of Cincinnati, Cincinnati, OH

Doctor of Philosophy, Hearing Science, August 2015, GPA 3.92
Doctor of Audiology, May 2015 CCC-A, GPA 3.92

Department for Higher Education, Hartford, CT

Teaching Certificate, Secondary School Science (7-12), May 2009

University of Connecticut, Storrs, CT

Bachelor of Science, Animal Science, December 2004
Master of Science, Animal Science, December 2007, GPA 3.6

CLINICAL LICENSES AND CERTIFICATIONS HELD

Ohio Board of Speech-Language Pathology and Audiology

OH State License: Audiologist: 01969, Approved 6/1/2015, Valid through 12/31/2018

American Board of Audiology

Board Certification in Audiology: Valid through 12/31/2018

American Speech-Language-Hearing Association

Certificate of Clinical Competence in Audiology (CCC-A): Valid through 12/31/2018

Certificate in Animal Audiology

University of Cincinnati, Cincinnati, OH, Certified in 2015

Certificate of Completion: The Hands-on Guide to Vestibular Rehabilitation: Clinical Decision-Making to Treat Vertigo, Dizziness, & Balance Disorders, McKinley Grand Hotel, Canton, OH, February 2018

Certificate of Completion: Grant Training Center- Writing & Designing NIH Workshop

Case Western Reserve University, Cleveland, OH, 2017

Certificate of Training: GN Otometrics

Comprehensive Training for VNG/ENG Administration and Interpretation, Chicago, IL, 2015

PROFESSIONAL EXPERIENCE

The University of Akron, School of Speech-Language Pathology and Audiology, Akron, OH

Assistant Professor, August 2015-Present

The University of Akron, School of Speech-Language Pathology and Audiology, Akron, OH

Audiology Graduate Coordinator, August 2017-Present

FETCHLAB™ Akron, The University of Akron, Akron, OH

FETCHLAB™ Akron Director, August 2016-Present

University of Cincinnati, Communication and Sciences Department, Cincinnati, OH

Graduate/Research Assistant, 2010-2015

Co-instructor, 2011-2015

FETCHLAB Manager, 2010-2014

Yale Hearing and Balance Center, Department of Surgery, New Haven, CT

Audiology Resident, June 2014-May 2015

Cincinnati Veterans Affairs Hospital

Audiology Extern, January 2014-May 2014

Montgomery Ear, Nose & Throat Center, Cincinnati, OH

Audiology Assistant, October 2012-August 2013

Kelly Educational Staffing Services, East Hartford, CT

Secondary School Science Teacher, September 2009-2010

University of Connecticut, Storrs, CT

Instructor, Companion Animal Management, 2008-2009

University of Hartford, Summer Place Programs, West Hartford, CT

Instructor, Summers from 2006-2010

University of Connecticut, Storrs, CT

Graduate/Teacher Assistant, 2004-2007

CLINICAL EXPERIENCE

The Audiology and Speech Center, The University of Akron, Akron, OH

Clinical Audiologist and Supervisor, August 2015-Present

FETCHLAB™ Akron, The University of Akron, Akron, OH

FETCHLAB™ Akron Director, Certified Animal Audiologist, August 2016-Present

Yale Hearing and Balance Center, Department of Surgery, New Haven, CT

Audiology 4th Year Residency, June 2014-May 2015

Cincinnati Veterans Affairs Hospital, Cincinnati, OH

Clinical Practicum Hours, January 2014-May 2014

Cincinnati Children's Hospital and Medical Center (CCHMC), Cincinnati, OH

Clinical Practicum Hours, July-December 2013

Montgomery Ear, Nose & Throat Center, Cincinnati, OH

Clinical Practicum Hours & Employment, October 2012-August 2013

University of Cincinnati Health, UC Medical Health Center, Cincinnati, OH

Clinical Practicum Hours, June-December 2012

University of Cincinnati Audiology Clinic, Cincinnati, OH

Clinical Practicum Hours, September 2011-May 2012

University of Cincinnati FETCHLAB*, Cincinnati, OH

**Facility for Education and Testing of Canine Hearing and Laboratory for Animal Bioacoustics, September 2010-Present*

University of Cincinnati Children's Hospital Medical Center, Cincinnati, OH

Observation Practicum Hours, October-December 2012

Connecticut Children's Hospital Medical Center, Cincinnati, OH

Audiology Observation Hours, Summer 2011

New England Center for Hearing Rehabilitation (NECHEAR), Hampton, CT

Audiology Observation Hours, Summer 2011

AREAS OF CLINICAL EXPERTISE

Adult and Pediatric Population

Diagnostic Audiometric and Immittance Testing: *PTA, VRA, CPA, Tympanometry, Acoustic Reflexes, Tone Decay, Eustachian Tube Dysfunction*

Amplification and Aural Rehabilitation

Vestibular/Balance Testing: *VNG, ENG, ECochG, VEMPs*

Auditory Electrophysiological Testing: *ABR, AMLR, ALLR, ECochG, VEMPs*

Oto-Acoustic Emissions

Cochlear Implant Evaluation, Assessment and Follow-up

Central Auditory Processing Assessment

Canine Audiology

Director, FETCHLAB™ Akron

(Facility for Education and Testing of Canine Hearing and Laboratory for Animal Bioacoustics)

Canine Auditory Electrophysiologic Testing; Diagnostic Immittance Testing

TEACHING EXPERIENCE

University of Akron: Assistant Professor- Audience: Graduate (Enrollment = 20-30)

- Evaluation and Management of Balance Disorders (Fall 2015, 2016, 2017, 2018)
- Advanced Vestibular and Electrophysiologic Measures (Spring 2016, 2017, 2018)
- Audiologic Treatment Across the Lifespan (Fall 2015, 2016, 2017)
- Multicultural Issues in Audiology (Fall 2018)
- Seminar in Audiology (Spring 2016, 2017, 2018)
- Audiology Clerkship, Clinic 1st Years (Fall 2017, 2018)
- Audiology Internship, Clinic 2nd Years (Spring and Fall 2016, 2017, 2018)

University of Cincinnati: PhD Student & Candidate: Instructor / Co-Instructor / Teacher Assistant (TA)

Audience: Graduate, Undergraduate & Distance Learning (Enrollment 20-80)

- Neurological Basis of Communication Disorders (Graduate: Fall 2011, 2013, Spring 2013) (TA)

- Audiology I (Undergraduate: Fall 2012, 2013, Traditional)
- Audiology I (Undergraduate: Summer 2014, Distance Learning)
- Anatomy of Voice and Speech Production (Graduate: Fall 2012, Summer 2013) (TA)

University of Connecticut: Instructor- Audience: Undergraduate (Enrollment 80-100)

- Companion Animal Management (Spring 2008, 2009)

East Hartford High School: Teacher- Audience: G9-12 (Enrollment 20-30)

- Physical Science & Anatomy and Physiology (Fall 2009-Spring 2010, Full Academic Year)

GRANTS & FUNDING

US Department of the Army, Grant Solicitation W81XWH-18-R-0025, Fort Detrick, MD. "Pharmaceutical Interventions for Noise-Induced Hearing Loss- Acute Exposure Treatment (PINIHL-AET)." Application submitted August 2018, Amount requested: \$1,112,223 (Pending)

University of Akron, Faculty Research Committee 2017 Summer Fellowship, Akron, OH. "Noise-Induced Hearing Loss in K9 and Non-K9 Police Officer Handlers." Awarded April 2017, \$10,000.00

Department of Neurosurgery, Mayfield Education and Research Foundation, Cincinnati, OH. "An Electrophysiologic and Behavioral Auditory Assessment of Individuals with mild Traumatic Brain Injury." Awarded December 2013, \$9,000.00

College of Allied Health Sciences, University of Cincinnati, Research Incentive Funding Program, Cincinnati, OH. "An Electrophysiologic and Behavioral Auditory Assessment of Individuals with mild Traumatic Brain Injury." Awarded September 2013, \$2,000.00

Council for Academic Programs in Communication, Science and Disorders Leadership Scholarship, Phoenix, AZ, Awarded April 2013, \$2,000.00

University Research Council Summer Fellowship Grant, University of Cincinnati, OH. "Establishing Auditory Electrophysiologic Normative Data in Canines." April 2012, \$3000.00

PROFESSIONAL MEMBERSHIPS

Journal of Acoustical Society of America (*Member since 2005*)

American Academy of Audiology (*Member since 2011, Fellow since 2015*)

American Speech-Language-Hearing Association (*Member since 2015*)

RESEARCH

University of Akron, Akron, OH

Primary Investigator, Spring 2017-Current

"Noise Induced Hearing Loss in Canine (K-9) Police Officer Handlers and Non-K9 Handlers"

University of Akron, Akron, OH

Co-Investigator, Spring 2017-Current

"Provision of Cognitive-Communicative Services to Veterans in Northeast Ohio (with TBI)"

University of Akron, Akron, OH

Co-Investigator, Fall 2016-Current

“An interprofessional Approach in the Augmentative-Alternative Communication Center”

University of Akron, FETCHLAB™ Akron, OH

Primary Investigator, Fall 2015-Current, FETCHLAB™ Akron Opening January 2016

“Establishment of Normative Data for Tests of Auditory Function in Canines”

Yale University, New Haven, CT

Investigator, Research in Residence, Fall 2014-May 2015

“A Prospective Study Evaluating the Relationship between the Dizziness Handicap Inventory (DHI), Videonystagmography (VNG) Balance Test and SWAY™ Fall Assessment in Dizzy Patients”

University of Cincinnati, Cincinnati, OH

Investigator, PhD Dissertation, Fall 2010-Summer 2015

“Baseline Normative Brainstem Auditory Evoked Response in Special Operations Multi-Purpose Canines, Unclassified”

University of Cincinnati, Cincinnati, OH

Primary Investigator, Graduate Research, Summer 2013-2014

“The Electrophysiological and Behavioral Audiologic Assessment of Individuals with mild Traumatic Brain Injury”

University of Cincinnati, Cincinnati, OH

Researcher, Audiology Capstone Project, Spring 2010-Spring 2014

“Establishing Auditory Electrophysiological Normative Data in Canines”

Newport Aquarium, Newport, KY

Researcher, Fall 2012-Summer 2013

“Working Divers Underwater Hearing, Preliminary Findings”

University of Cincinnati, Cincinnati, OH

Research assistant, Spring-Fall 2011

“Experimental Learning of Research Methods by Graduate Students”

Proctor and Gamble, Columbus, OH

Research assistant, Fall-Winter 2011

“Sound mapping of facility rooms”

Newport Aquarium, Newport, KY

Research assistant, Fall 2011-2014

Vocalization research (sea otters), sound mapping of shark exhibit & seahorse exhibit, and noise analysis of back-up exhibit areas

Mystic Aquarium and Institute for Exploration, Mystic, CT; University of Connecticut, Storrs, CT; Yale University; University of Cincinnati FETCHLAB

Research assistant, Spring 2006 – 2012

“Event Related Potentials in Cetaceans” and “Stress Vocalizations in the Beluga Whale”

Georgia Aquarium, Atlanta GA

Research assistant, Fall and Summer 2005, Spring 2007, Fall 2012

“Acoustic sound mapping of aquaria pool and exhibit systems”

Group for Research and Education of Marine Mammals (GREMM), Department of Fisheries and Oceans (DFO), Canada & University of Connecticut Animal Bioacoustics Lab, Storrs, CT

Master’s Thesis Fieldwork, August 2005, July 2006

“Use of an automated Hidden Markov Model to identify beluga (*Delphinapterus leucas*) social assemblages by means of vocalization classification”

National Undersea Research Center (NOAA), Milford, CT

Research assistant, July-August 2005

“The acoustics of fish species found in Long Island Sound”

Mystic Aquarium & Institute for Exploration, Mystic, CT and Nassau, Bahamas

Intern, Dolphin Communication Project, Summer 2004

“Acoustic and tactile communication in dolphins”

PUBLICATIONS

Is noise reactivity reflected in auditory response variables, including those that measure cognition, in dogs?

Initial findings

Scheifele, P.M., **Sonstrom, K.E.**, Overall, K.L., Dunham, A.E. (2016) *Journal of Veterinary Behavior Clinical Applications and Research*, 16, 65-75. <https://doi.org/10.1016/j.jveb.2016.09.002>

Middle latency response testing for auditory cognition in canines.

Scheifele, P.M., **Sonstrom, K.E.**, Overall, K., Dunham, A.E. (2015) *Journal of Veterinary Behavior Clinical Applications and Research* 10(5): 439-440.

Noise Impacts from Professional Dog Grooming Forced-Air Dryers

Scheifele, P.M., Johnson, M.T., Byrne, D.C., Clark, J.G., Vandlik, A., Kretschmer, L.W., **Sonstrom, K.E.** (2012) *Noise & Health*, Vol. 14, Issue 60.

Ballroom Music Spillover into a Beluga Whale Aquarium Exhibit

Scheifele, P.M., Clark, J.G., **Sonstrom, K.E.**, Kim, H., Potty, G., Miller, J., Gaglione, E. (2012) *Advances in Acoustic and Vibration*, Vol. 2012, Article ID 402130, 7 pp.

Unsupervised Validity Measures for Vocalization Clustering

Adi, K.; **Sonstrom, K.E.**; Scheifele, P.M.; Johnson, M.T.

International Conference on Acoustics Speech and Signal Processing 2008 (ICASSP08), Las Vegas, Nevada, April 2008 Page(s): 4377 – 4380

BOOK CHAPTERS

Sonstrom, K. & Scheifele, P.M. (In Press). Canine Audiology. In *Advances in Audiology, Speech Pathology and Hearing Science*. Hatzopoulos, S., Ciorba, A., Krumm, M. (Eds.)

Apple Academic Press, Oakville, ON.

CONFERENCE PRESENTATIONS AND POSTERS/REPORTS

Animal Audiology through FETCHLAB: Current Updates and Research

American Academy of Audiology Conference (Audiology NOW), Indianapolis, IN, April 2017

Speakers: Kristine Sonstrom, AuD, PhD; Peter Scheifele, MDr, PhD; Katie Bright, PhD; Tina Stoodly, PhD; Jennifer Weber, PhD

A Prospective Study Evaluating the Relationship between the SWAY Balance™ Assessment, Dizziness Handicap Inventory (DHI) and Videonystagmography (VNG) Test in Dizzy Patients

American Academy of Audiology Conference, San Antonio, TX, March 2015

Kristine Sonstrom, MS, Jennifer Franson-Hopper, AuD, Elias Michaelides, MD

Waveform Representation of the Brainstem Auditory Evoked Response (BAER) in Dalmatian Puppies

PRAISE Conference, University of Cincinnati, March 2014

Kirsten Weber, BS Candidate, Peter Scheifele, PhD, Kristine Sonstrom, MS

Acoustical Sound Mapping in Aquaria Exhibits

Ohio State Hearing and Language Association, March 2013

American Speech-Language Hearing Association, November 2012

Kristine Sonstrom, MS, Justin Burwinkel, BS, Annie McCune, BS, Peter Scheifele, PhD

Animal Audiology

Ohio State Hearing and Language Association, May 2012

Peter Scheifele, PhD & Kristine Sonstrom, MS

Auditory Brainstem Response Morphology Using an Evolutionary Approach

PRAISE Conference, University of Cincinnati, March 2012

Kristine Sonstrom, MS, Annie McCune, BS, Justin Burwinkel, BS, Peter Scheifele, PhD, John Clark, PhD

Experimental Learning of Research Methods by Graduate Students

American Speech-Language Hearing Association, San Diego, CA, November 2011

L. Christofaris, MA, S. Hamilton, MA, A. Rivera, MS, J. Neils-Strunjas, PhD, K. Sonstrom, MS

The Classification of Vocalizations to Identify Social Groups of Beluga Whales in the St. Lawrence River Estuary using a Hidden Markov Model

Acoustic Communication by Animals Conference, 2008

Kristine Sonstrom MS, Oregon State University, Corvallis, OR

Unsupervised Validity Measures for Vocalization Clustering

Conference on Acoustics Speech and Signal Processing, Las Vegas NV, 2008

Kuntoro Adi, Kristine E. Sonstrom MS, Peter M. Scheifele MDr, PhD LCDR USN (Ret.), Michael T. Johnson PhD

Use of an automated Hidden Markov Model (HMM) to identify Beluga (*Delphinapterus leucas*) social assemblages by means of vocalization classification

College of Agriculture and Natural Resources, 2007

Graduate Student Forum by Kristine Sonstrom BS

Acoustic Mapping of Pool Systems Report: for Georgia Aquarium

Peter M. Scheifele MDr, PhD LCDR USN (Ret.), Kristine Sonstrom BS, 2006

Brain Potentials in Cetaceans: Testing for Cognition

College of Agriculture and Natural Resources, 2006

Graduate Student Forum by Kristine Sonstrom BS

INVITED PRESENTATIONS/POSTERS

Brainstem Auditory Evoked Response (BAER) Testing in Canines (FETCHLAB™ Akron)

Western Reserve Dalmatian Club, Strongsville, OH, October 2017, Kristine Sonstrom, AuD, PhD

Understanding Speech Recognition Scores

Hearing Loss Association of America Northern Ohio Chapter Meeting, Macedonia, OH, September 2017
Kristine Sonstrom, AuD, PhD

Introduction: The Facility for the Education and Testing of Canine Hearing and the Laboratory for Animal Bioacoustics (FETCHLAB™ Akron) & Brainstem Auditory Evoked Response Testing

Western Reserve American Kennel Club, Cleveland, OH, May 2017
Akron Veterinary Referral and Emergency Center, Akron, OH, July 2016
Buckeye Veterinary Clinic, Akron, OH, August 2016
Rubber City American Kennel Club, Akron, OH, September 2016
Kristine Sonstrom, AuD, PhD

Educational Event: An Introduction to Animal Audiology and Bioacoustics

The Northeastern Ohio Audiology Consortium, Student Academy of Audiology
The University of Akron, Akron, OH, April 2016
Kristine Sonstrom, AuD, PhD

A Prospective Study Evaluating the Relationship between the SWAY Balance™ Assessment, Dizziness Handicap Inventory (DHI) and Videonystagmography (VNG) Test in Dizzy Patients

Academy Research Conference: Vestibular Assessment and Rehabilitation
American Academy of Audiology Conference, San Antonio, TX, March 2015
Kristine Sonstrom, MS, Jennifer Franson-Hopper, AuD, Elias Michaelides, MD

SERVICE TO UNIVERSITY, COLLEGE, SCHOOL & PROFESSION

(School) Audiology Graduate Coordinator, Academic Year 2016- Present

Serve as graduate coordinator for The University of Akron Doctoral Audiology Program

(University) Delta-Zeta Faculty Advisor, Academic Year 2016- Present (Instillation of Theta Zeta Chapter at University of Akron March 2017)

Faculty advisor for Theta Zeta Chapter of Delta-Zeta Sorority

(Profession) Ohio Speech-Language Hearing Association Scholarship Committee, Feb. 2017-Present

Review and score student scholarship applications

(School) Non-Tenure Track Review Committee, University of Akron, September 2016

Review non-tenure track applications for retention and promotion

(University) Graduate Curriculum Committee, University of Akron, September 2016-Present

Review curriculum proposals for approval

(School) Audiology Graduate Admissions Committee, University of Akron, August 2016-Present

Review student cover letters, letters of recommendations and applications
Contributed to committee selections for student acceptance into University Au.D. Program

(School) Undergraduate Scholarship Committee, University of Akron, August 2016
Review student applications & contribute to committee selection for scholarship recipients

(Profession) Peer-Reviewer, Journal of American Academy of Audiology (JAAA), April 2016
Reviewed and suggested edits, as applicable, for the article "Cortical auditory evoked potential and behavioral evidence for differences in auditory processing between good and poor readers" by Barker, M., Mathew-Kuruville, A. and Purdy, S.

HONORARY AWARDS/CERTIFIED POSITIONS

University Summer Faculty Research Fellowship
University of Akron, Akron, OH, May-August 2017

Graduate Student Representative for Student Academy of Audiology
University of Cincinnati, Cincinnati, OH, 2013

CAPCSD Leadership Award
Award presented at CAPCSD Conference, Phoenix, AZ, 2013

University Research Council Summer Fellowship Award
University of Cincinnati, OH, 2012

ASHA Merit Award, San Diego, CA
Award presented at ASHA convention, 2011

Conservation Education/Firearms Safety Certification
Obtained Department of Environmental Protection (CT) Conservation license, 2008

PADI Certification, Vernon, CT
Open Water Diver Certification, June 2007
Advanced Diver Certification, September 2007

Certificate of Appreciation, Storrs, CT
Recognition of contributions as Treasurer of the Animal Science Graduate Student Association, 2007

Certificate of Participation, Storrs, CT
University of Connecticut, Graduate Student Research Forum, 2007

Certificate of Appreciation, Mystic, CT
Mystic Aquarium, Institute for Exploration, 2005
In recognition, 60+ hours ongoing volunteer efforts

COMMUNITY ENGAGEMENT

Carrollton Public School Hearing Screenings, Carrollton, OH, April 2018
Coordinate school hearing screenings

Massillon Public School Hearing Screenings, Massillon, OH, January 2018
Coordinate & supervise/assist students with school hearing screenings (September-October 2017)

Coventry Public School Hearing Screenings, Akron, OH, September 2017, October 2018

Coordinate & supervise/assist students with school hearing screenings (September-October 2017)

Wayside Health Fair, Akron, OH, September 2017, September 2018

Supervise students/assist with hearing screenings for visitors from local community

Western Reserve American Kennel Club, Cleveland, OH, May 2017: Presentation: "FETCHLAB™ Akron, Canine Hearing (BAER) Testing"

Rubber City American Kennel Club Dog Show, Tallmadge, OH, January 2017: "FETCHLAB™ Akron Canine Hearing (BAER) Testing"

Rubber City American Kennel Club, Akron, OH, September 2016: Local Presentation: "The introduction of FETCHLAB™ Akron for canine hearing (BAER) testing"

Akron Veterinary and Referral Center, Akron, OH, July 2016: Local Presentation: "The introduction of FETCHLAB™ Akron for canine hearing (BAER) testing"

Newport Aquarium, Newport, KY, 2010-2014: Sound mapping of pools / vocalization research

Bayley Wellness Center, Cincinnati, OH, May 2012, November 2012, March 2013: Audiologic services

Dalmatian Club of America, Covington, KY, Spring 2011: Hearing assessments in Dalmatians

Canine Core, University of Cincinnati, Blue Ash, OH, December 2011-2012: Canine hearing assessment

The League for Animal Welfare, Batavia, OH, 2011-2014: Sound assessments / placement of sound panels in kennels