
Deborah S Culbertson

Clinical Associate Professor

Audiology Clinic Director, ECU Speech-Language-Hearing Clinic

College of Allied Health Sciences

Clinical Associate Professor - Communication Sciences and Disorders

Date of Hire: 2002

413 Lee Street , Greenville, NC 27858

CULBERTSOND@ECU.EDU

Professional Interests

Research: Evaluation and Non-medical treatment of hearing loss

Teaching: Evaluation and non-medical treatment of hearing loss

Academic Background

Ph.D. University of Iowa, Iowa City, IA, USA, Audiology, 1990

M.S. Idaho State University, Pocatello, ID, USA, Audiology, 1982

B.A. University of Maryland, College Park, MD, USA, Speech and Hearing Sciences, 1979

Certifications

American Speech-Language-Hearing Association, 01017833, 2008

NC Board of Examiners SLPs & Audiologists, 5877, 2008

NC Hearing Aid Dealers & Fitters Board, 1057, 2008

Memberships

American Speech-Language-Hearing Association

American Academy of Audiology

HEAR NOW

NC Speech-Language-Hearing Association

Educational Audiology Association

Work Experience

Academic Experience

Clinical Associate Professor, East Carolina University (July, 2002 - Present).

Associate Professor, Radford University (August, 1995 - June, 2002).

Assistant Professor, Radford University (August, 1990 - August, 1995).

Graduate Teaching/Research Assistant, University of Iowa (August, 1984 - August, 1987).

CFY Audiologist/Clinic Coordinator, Idaho State University (August, 1982 - August, 1983).

Non-Academic Experience

Part-time audiologist, University of Iowa (August, 1987 - August, 1990).

Audiologist, University of Iowa Hospitals and Clinics (August, 1983 - August, 1984).

Audiologic Health Technician, National Institutes of Health (June, 1980 - January, 1981).

Consulting

2008: Eastern North Carolina School for the Deaf Hearing Aid Contract, Offered 1 day/week of hearing aid dispensing and related services

2007: Eastern North Carolina School for the Deaf Hearing Aid Contract, Offered 1 day of hearing aid services/week under a departmental contract to ENCSD

Courses Taught

ADV CLIN METH IN AUD (doctoral)

ADV SEMINAR IN AUDIOL (doctoral)

AUDIO CLINIC ROTATION (doctoral)

AURAL REHABILITATION (doctoral)

Anatomy and Physiology of the Speech-Language-Hearing Mechanism

CLINICAL RESIDENCY (doctoral)

Central Auditory Processing Seminar

Communication Science and Instrumentation

DISSERTATION (doctoral)

DOCTORAL INDP STUDY (doctoral)

Deaf Culture Seminar

Ethics in Health Care

HEARING SCIENCE (doctoral)

Introduction to Amplification

Introduction to Audiology

Introduction to Aural Rehabilitation

METHOD CLINIC AUDIO L (doctoral)

Multicultural Issues Seminar

Pediatric Aural Habilitation

Professional Issues and Ethics

SPEC PROB SP & HRG (doctoral)

Seminar Speech-Language-Hearing in Elderly

Other Teaching Activities

Course (Existing) - Compensated Redesign

2007 - CSDI 3105 Foundational information related to acoustics, anatomy and physiology, and psychoacoustics

2007 - CSDI 8000 Basic and advanced methods for evaluation of hearing loss

Course (New) - Creation/Delivery: Conventional

2007 - CSDI 8007 Clinical lab exercises related to hearing evaluation

2003 - CSDI 6010 Hearing Science Psychoacoustics course taught at the graduate level

Doctoral Exam Preparation/Grading

2007 - Prepared and graded gateway examinations

2007 - Coordinated and grading of Gateway Exams for 1st year doctoral audiology students

2007 - Developed and coordinated Clinical Defense Exam for 2 doctoral students

Innovations in Course Content / Presentation

2008 - Clinic Meeting is a special weekly meeting that requires students to relate journal readings and professional practice statements to their clinical practices. Students are not registered in this meeting as a separate course but are asked to attend if they are registered in clinic.

Student Assign-Clinical/Practicum/Internship

2008 - 6 students, I oversee the placement of all audiology students in on and off campus clinics.

2007 - CSDI 8993 Clinical Residency University Liaison for students participating in off-campus clinical residency and oversight of clinical activities and preparation for clinical defense

2007 - CSDI 8234 Audiology Clinical Rotation Supervision of audiology doctoral students in ECU SLH Clinic and at ENCSD

2007 - 7 students, Made Clinical Placements for all audiology doctoral students

Student Assign-Independent Studies

2008 - 2 students, I oversaw two independent study courses.

2007 - 2 students, Offered 1 independent study related to Deaf children and another related to auditory training

Student Assign-Students Advised (GRAD)

2008 - 2 students, I am serving as academic advisor for two doctoral students.

2007 - 3 students, Doctoral Student Advising---academic for two, research & academic for one

Student Assign-Students Advised (UG)

2008 - 1 student, I am advising one undergraduate student who intends to pursue audiology in graduate studies.

2007 - 1 student, Academic advisor to undergraduate interested in pursuing audiology career

Student Assign-Supervised Research (GRAD)

2008 - 1 student, I am overseeing the research of one 1st year doctoral student.

2007 - 1 student, CSDI 8999 The student conducted pre and post outcome measures to evaluate an auditory training program's effect on two individuals with hearing loss

2007 - 1 student, Advising/meeting with student preparing to undertake thesis under my co-direction

Student Collabor: Co-Presenter at Prof Meeting

2007 - 1 student, Student reported some of her findings from her case study

Thesis / Dissertation Committee - Chair

2008 - 1 student, I am serving as dissertation chair for one student.

2008 - 1 student, I served on one dissertation committee, and this student completed her dissertation.

Thesis / Dissertation Committee - Member

2007 - Binaural interference and related auditory processing normal hearing children

Intellectual Contributions:

Refereed Articles

Stuart, A., Passmore, A. L. , Culbertson, D. S. , & Jones, S. M. (2008). Test-Retest Reliability of Low-Level Distortion Product Otoacoustic Emissions. *Journal of Speech, Language, and Hearing Research, 10*, 1044-1062.

Culbertson, D. S., Painter, J., & Carr, L. (2006). Professional Behaviors in Audiology. *ASHA Special Interest Division 11: Perspectives on Administration and Supervisi, 16*, 12-13.

Culbertson, D. S. & Jones, S. M. (2005). Evidence-Based Practice in Audiology. *ASHA Special Interest Division 11: Perspectives on Administration and Supervisi, 15*, 17-20.

Culbertson, D. (2003). Predictive Validity and Reliability of Adult Hearing Screening Techniques. *Journal of the American Academy of Audiology, 14*, 9-19.

Culbertson, D. (2003). Ear and Hearing Status in a Multilevel Retirement Facility. *Geriatric Nursing, 25*, 93-98.

Allen, R. L. & Culbertson, D. S. (2002). Students with Hearing Loss in Audiology Training Programs: Academic and Clinical Considerations. *ASHA Special Interest Division 11: Perspectives on Administration and Supervisi, 12*, 4-7.

Buck, S., Maynard, D., Garn-Nunn, P., & Seyfried, D. (1996). Appalachian English Speakers and Naive Listeners: Potential for Listener Bias and Communication Interference. *Journal of the Speech and Hearing Association of Virginia, Annual*.

Horton, L., Garn-Nunn, P., & Seyfried, D. (1996). Hearing Aid/FM Listening Checks Conducted by School Speech-Language Pathologists in Virginia. *Journal of the Speech and Hearing Association of Virginia, Semiannual*.

Seyfried, D. (1995). NIH Consensus Development Conference on Cochlear Implants in Adults and Children: One View. *Journal of the Speech and Hearing Association of Virginia, Semiannual*.

Blackwell, K. B., Oyler, R. F. , & Seyfried, D. N. (1991). A clinical comparison of Grason-Stadler insert earphones and TDH-50P standard earphones. *Ear & Hearing, 12*, 361-362.

Lansing, C. R. & Seyfried, D. N. (1990). Longitudinal changes in personal adjustments to hearing loss in adult cochlear implant users. *Journal of the Academy of Rehabilitative Audiology, 23*, 63-77.

Invited Articles/Reviews

Cosby, J., Culbertson, D. S. , Hudson, S., Bengala, D., & Joyner, R. (2009). Pediatric Cochlear Implants: Knowledge and Skills of Speech-Language Pathologists. *ASHA Leader, 14* (2), 6-7, 18. (Invited or not refereed)

Culbertson, D. S. (2008). Conflict: Your Role in How it Ends. *ASHA Division 11: Perspectives on Administration & Supervision*. (Invited or not refereed)

Culbertson, D. S. & Harris, S. T. (2007). Audiology: Are We Coming Back to AR? *ASHA Special Interest Division 11: Perspectives on Administration and Supervisi*, 17, 22-26.
(Invited or not refereed)

Book Chapters

Refereed

Culbertson, D. S. (2007). Language and Speech of the Deaf and Hard of Hearing, 5th edition. In Schow and Nerbonne (Ed.) *Introduction to Audiologic Rehabilitation*, (pp. 197-244). Boston, MA: Allyn and Bacon.

Culbertson, D. S. & Kricos, P. (2002). Language and Speech of the Deaf and Hard of Hearing, 4th edition. In Schow and Nerbonne (Ed.) *Introduction to Audiologic Rehabilitation*, (pp. 183-224). Boston, MA: Allyn and Bacon.

Presentation of Refereed Papers

National

Stuart, A., Culbertson, D. S. , & Jones, S. (2007, November). *Test-Retest Differences of low-level distortion product otoacoustic emissions*. Presented at ASHA, Boston, Massachusetts.

Cosby, J., Culbertson, D. S. , Hudson, S., Bengala, D., & Joyner, R. (2007, April). *Pediatric Cochlear Implants: Knowledge and Skills of Speech-Language Pathologists*. Presented at American Academy of Audiology, Denver, Colorado.

Stuart, A., Culbertson, D. S. , & Jones, S. (2007, April). *Test-Retest reliability of low-level evoked distortion product emissions*. Presented at American Academy of Audiology, Denver, Colorado.

Culbertson, D. S., Mathieu, M., & Rigby, M. (2000, November). *Models of Service Delivery and Care for Undergraduates*. Presented at American Speech-Language-Hearing Association, DC, District of Columbia.

Local

Crowell, E., Culbertson, D. S. , Givens, G., & Stuart, A. (2009, March). *Normative Data for Selected Speech Recognition Tests in Normal Hearing Adults*. Presented at ECU Research Week, Greenville, North Carolina.

Shanley, R. H., Allen, R. L. , Culbertson, D. S. , Hudson, S., & Givens, G. (2009, March). *Binaural Interference in Normal Hearing Children*. Presented at ECU Research Week, Greenville, North Carolina.

State

Culbertson, D. S. (2009, April). *Hearing Aids and Telephones: Where are we Now?* Accepted for North Carolina Speech-Hearing-Language Association Spring Convention, Raleigh, North Carolina.

Culbertson, D. S. (2000, April). *Exploring Interdisciplinary Health Care Education at the Undergraduate Level*. Presented at Speech-Language-Hearing Association of Virginia, Charlottesville, Virginia.

Presentation of Non-Refereed Papers

Local

Cosby, J., Culbertson, D., Bengala, D., & Joyner, R. (2007, March). *Pediatric Cochlear Implants: Knowledge and Skills of Speech-Language Pathologists*. ECU Research Week, Greenville, North Carolina.

Culbertson, D. S. & Payne, L. (2004, October). *Everything you always wanted to know about hearing aids but were afraid to ask*. Invited presentation at State Regional Hard of Hearing Presentation, Greenville, North Carolina.

Culbertson, D. S. (1999, March). *Beyond hearing aids: Maintaining Communication Skills*. Invited presentation at Third Annual Radford University Gerontology Conference, Radford, Virginia.

State

Culbertson, D. S. & Rutledge, S. R. (2008, October). *Healthy Hearing and Communication*. Invited presentation at 7th Annual North Carolina Conference on Aging, Greenville, North Carolina.

Culbertson, D. S. & Cosby, J. (2008, April). *Auditory Training Options for Adults*. Invited presentation at North Carolina Speech-Language-Hearing Association, Asheville, North Carolina.

Culbertson, D. S. (2007, October). *Aural rehabilitation: What is it and what's new?* Invited presentation at Hearing Loss Association of North Carolina, Chapel Hill, North Carolina.

Culbertson, D. S., Rutledge, S., & Lineberry, J. (2007, April). *Changes in Speech in Noise Performance and Benefit following LACE Training*. Invited presentation at North Carolina Speech-Language-Hearing Association, Raleigh, North Carolina.

Culbertson, D. S. (2007, April). *DSL 5.0*. Invited presentation at North Carolina Academy of Hearing Rehabilitation, Wrightsville Beach, North Carolina.

Culbertson, D. S. (2003, April). *Evaluating the Acoustic Benefits of Soundfield FM Systems*. Invited presentation at North Carolina Speech-Language-Hearing Association, Raleigh, North Carolina.

Culbertson, D. S. (2003, April). *Dead Regions in the Cochlea: Preliminary Considerations for Amplification*. Invited presentation at North Carolina State Hearing Aid Dealers and Fitters Board, Greensboro, North Carolina.

Scudder, S. & Culbertson, D. (2001, April). *Hands-On Instruction and Research Findings: Using DPOAE Hearing Screeners with Clients of all Ages*. Speech-Language-Hearing Association of Virginia, Williamsburg, Virginia.

Research Grants

Funded-External

2009 - Culbertson, D. S., "AG Bell 2009 Cochlear Implant Fellowship", Cochlear implant training grant intended to fund a doctoral student for part-time clinical work, Cochlear Corporation and the Gift of Hearing Foundation.

Not Funded-External

2008 - Culbertson, D. S. & Cosby, J., "Alexander Graham Bell Cochlear Implant Fellowship", Submission was lost by AG Bell Association.

2000 - Culbertson, D. S., "Collaboration and Training for Community Health (CATCH)", Not approved or funded, GOV-Health Resources and Services Administration (HRSA).

2000 - Culbertson, D. S., "Collaboration and Training for Community Health (CATCH)", Approved but not funded, GOV-Health Resources and Services Administration (HRSA).
1999 - Culbertson, D. S., "Collaboration and Training for Community Health (CATCH)", Approved but not funded, GOV-Health Resources and Services Administration (HRSA).

Service:

Service to the University

Department assignments:

Chair:

2006-2007 through 2007-2008: Audiology Curriculum Committee
2004-2005 through 2005-2006: Advisory Board to the Audiology Clinic
2003-2004 through 2007-2008: Audiology Clinic Director
2002-2003 through 2004-2005: Audiology KASA Committee

Member:

2008-2009: Clinical Operations Committee: Advisory board related to operation of the ECU Speech-Language and Hearing Clinic
2007-2008: HIPAA Security: Oversaw a 9-month training and procedures manual for a Clinical Database
2006-2007 through 2007-2008: Graduate Admissions Committee
2005-2006 through 2007-2008: Project EAR
2002-2003 through 2007-2008: Doctoral Committee Member: I have served on committees for three students
2002-2003 through 2007-2008: Clinical Operations Committee
2002-2003 through 2007-2008: Graduate Studies Committee
2002-2003 through 2007-2008: Doctoral Studies Committee

College assignments:

Chair:

2004-2005 through 2006-2007: School of Allied Health Awards Committee: Note---I was chair for 2006-2007 only

Member:

2008-2009: Honors and Awards Committee: Committee selects faculty and students for awards
2008-2009: Faculty Council: Served as secretary
2005-2006: SAHS Hearing And Appeals Committee: served as alternative
2005-2006: SAHS Moving Committee
2004-2005 through 2005-2006: Faculty Senate: Served as Faculty Senator

University assignments:

Member:

2004-2005: Health Sciences Divisions Senators Committee

Service to the Profession

Board Member: Advisory Board

2008: Early Hearing and Detection Advisory Subcommittee on Follow-up, Serving on subcommittee that advises on follow-up diagnostic and rehabilitative services for infants seen through the EHDI program, Raleigh, North Carolina (State).

2008: Early Hearing and Detection Advisory Board, Serving on advisory board to state's EHDI program, Raleigh, North Carolina (State).

Officer: Organization / Association

1998-1999: Speech-Language-Hearing Association of Virginia, Vice President of Audiology, Radford, Virginia (State).

Other Professional Service Activities

2008: North Carolina Speech-Hearing-Language Association Spring Convention, Conference Committee Member/Audiology Program Coordinator, Greenville, North Carolina (State).

2006-2007: American Speech-Language-Hearing Association, ASHA Division 11 Newsletter Column Coordinator (National).

Reviewer - Article / Manuscript

2008: American Journal of Audiology, Reviewed two manuscripts (National).

Service to the Community

Other Community Service Activities

2009: Hearing Loss in the Elderly, Talk to Geriatric Residents

2002-2009: On-call audiology support to ECU Speech-Language and Hearing Clinic, Offered on call audiology support to hearing aid clients seen through ECU Speech-Language & Hearing Clinic

2008: High School Senior Project Review, Served as a judge for high school senior project review

2008: Girl Scout Leader, Leader of Cadette Girl Scout Troop

2008: Pitt County Girl Scout Delegate, Representative to the regional council

2000-2008: Girl Scout Leader

1999-2008: HEAR NOW Associate and Subscriber, Donated hearing aid dispensing services to indigent clients

1998-2008: Community Hearing Screenings, Offered hearing screenings

2007: High School Senior Boards Reviewer, Served as reviewer for senior boards presentation

1998-2007: On-call audiology clinic service, Offered hearing aid services during all university breaks

Positions Held in Civic Organizations

2008: Pitt County Girl Scout Delegate, Representative to the Coastal Pines of Carolina Council

Speech / Presentation at a Community Meeting

2008: Geriatric Residency Training, Hearing Loss in Older Adults

1999-2000: Lions Club Presentations, Talk on Hearing in the New Millennium

1999: Pediatric Screening Procedures and Practices

Faculty Development

Other Professional Development

2008: Child & Adult CPR and First Aid Training. 1 year CPR certification
2 year First Aid Certification. Goldsboro, North Carolina.

2008: Audiology On-Line. Hearing Aid Continuing Education hours. Greenville, North Carolina.

Professional Seminars / Workshops

2008: Helping Children with Auditory Processing Disorders. Regional workshop offered by national speaker. Raleigh, North Carolina.

2008: 38th Annual Speech, Language, and Hearing Symposium. NCSHLA Symposium. Greenville, North Carolina.

2007: Helping Children with Auditory Processing Disorders. Conference related to area of clinical and research interests. Raleigh, North Carolina.

Research-Related Conference/Seminar

2008: 19th Annual Mayo Clinic Audiology Videoconference. Attended videoconference. Ann Arbor, Michigan.

2008: American Speech-Language-Hearing Association. On line conference: ASHA Audiology 2007 Central Auditory Processing Disorders. Greenville, North Carolina.

Technology-Related Training

2008: Exelia and Naida Hearing Solutions for a Full Life Experience. Hearing aid continuing education. Raleigh, North Carolina.

2008: North Carolina Academy of Hearing Rehabilitation. Hearing aid continuing education. Wrightsville Beach, North Carolina.

2008: Audiological Resource Association. Hearing aid continuing education hours. Charlotte, North Carolina.

Other Activities

Administrative Duties

2007 - Administrative Duties: Audiology Clinic Director

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