

CURRICULUM VITAE

Jennifer Brooke Shinn, Ph.D., CCC-A, FAAA

ADDRESS:

University of Kentucky Medical Center
Division of Otolaryngology
Department of Communicative Disorders – Audiology
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EDUCATION:

Ph.D.

UNIVERSITY OF CONNECTICUT

August 2002-May 2005

Neuroaudiology

Dissertation: The Effects Neurological Lesions of the Central Auditory
Nervous
System on Auditory Steady State Responses

M.S.

EAST CAROLINIA UNIVERSITY

August 1998-May 2000

Audiology

Thesis: Brief Tone Discrimination Ability of Young Adults with Reading
Disorders

B.A.

UNIVERSITY OF VERMONT

August 1995-May 1998

Major: Communication Sciences and Disorders

Minor: Early Childhood and Human Development

PROFESSIONAL EXPERIENCE:

Chief of Audiology, Assistant Professor & Resident Research Director

University of Kentucky

Division of Otolaryngology – Head and Neck Surgery

July 2005-Present

Graduate Assistant

University of Connecticut
Neuroaudiology
August 2002-May 2005

Clinical Audiologist

Dartmouth Hitchcock Medical Center
July 2001-July 2002

Educational Audiologist

Rochester City School District
Clinical Fellowship Year
August 2000-July 2001

**TEACHING
EXPERIENCE:**

University of Louisville
Anatomy & Physiology of the Auditory System
Summer 2007, 2008, 2009
Electrophysiology
Spring 2009
University of Kentucky
Audiology : Resident Lecture Series
Fall 2006
University of Connecticut:
Audition (Hearing Science)
Fall 2004
Summer 2003, 2004, 2005
Introduction to Audiology
Spring 2005
Audition:
Fall 2002, 2003
Physiology and Psychoacoustics
Fall 2003
Diagnostics
Fall 2004
Electrophysiology
Fall 2003
Central Auditory Processing
Spring 2004

**DOCTORAL
COMMITTEES:**

Ann Olson, University of Kentucky
Jennifer Paulovicks, University of Connecticut
Jeff Weihing, University of Connecticut

DIRECTED STUDENT

PROJECTS:

Ann Olson

Fall 2005 Course: RHB 740: Assessment

Paper: Assessment of Adults with Cochlear Implants

Spring 2006 Course: RHB: 742: Intervention Strategies

Paper: Evidence Based Practice: A systematic review of the efficacy of using acoustic amplification in combination with a cochlear implant in adults

Matt Bush, M.D.

Project: Test Re-Test Reliability of the VEMP

Project: ABR and Behavioral Assessment in Acoustic Neuroma Detection

Project: Shifts in Hearing Thresholds following Gamma Knife Treatment

Dave Gossman, M.D.

- Project: Vestibular Evoked Myogenic Potentials in Gentamycin Treatment

ADJUNCT

APPOINTMENT:

University of Louisville

Graduate School Faculty, Department of Communication Disorders

RESEARCH

INTERESTS:

Diagnostic and (re)habilitative neuroaudiology, auditory processing and electrophysiology.

RESEARCH

PROJECTS:

Current:

- NeuroAudiologic Changes in Hearing Aid Users
- Test-Retest Reliability of VEMPS
- Vestibular Evoked Myogenic Potentials in Gentamycin Treatment
- ABR and Behavioral Assessment in Acoustic Neuroma Detection
- Profiles of auditory (dys)function
- Temporal resolution in cochlear hearing loss
- Temporal processing in pediatrics

Previous:

- Assessment of temporal resolution through gap detection
- Assessment of temporal resolution through click lateralization
- Effects of intensity of temporal resolution
- Effects of masking on the Auditory Steady State Response

- Influence of attention on dichotic listening procedures
- Brief Tone Discrimination Ability of Young Adults with Reading Disorders
- Clinical trials of Soundtec® Implantable Middle ear Device
- Phase I development of the GSI 70 OAE screener

RESEARCH

CONSULTATION: Creare
Soundtec®, Inc.
Grason-Stadler, Inc.
BalanceBack Systems

PUBLICATIONS:

Books:

Musiek F, Baran J, **Shinn J**, Jones R. Disorders of the Auditory System. Plural Publishing. In Process.

Book Chapters:

Musiek F, **Shinn J**, Weihing, J. (2007) Auditory Neuroscience: Clinical Trends Relative to Audiology. In (Eds.) *Neuroimaging in Communicative Sciences and Disorders*.

Musiek F, **Shinn J**, Jirsa B. (2006) The Auditory Brainstem Response (ABR) in Auditory Nerve and Brainstem Dysfunction. In R Burkard, M Don and J Eggermont (Eds.) *Auditory Evoked Potentials*.

Shinn, J. (2006). Temporal Processing and Temporal Patterning Tests. In F. Musiek and G. Chermak (Eds.), *Handbook of Central Auditory Processing Disorders*.

Musiek F, Schochat E, **Shinn J.** (2001). Attention Deficit Hyperactivity Disorder and Auditory Processing Disorders. In B. Rogers, T. Montgomery, T. Lock, P. Accardo (Eds.), *Attention Deficit Hyperactivity Disorder: The Clinical Spectrum* (pp131-143).

Refereed Journal Articles:

Shinn J, Musiek F, Chermak G. Gap-In-Noise Performance in Children. *JAAA*. Accepted.

Bush M, Jones R, **Shinn J.** Test-Retest Reliability of Vestibular Evoked Myogenic Potentials. *ENT Journal*. Accepted.

Bush M, Jones R, **Shinn J.** (2008) Auditory brainstem response threshold differences in patients with vestibular schwannoma: a new diagnostic index. *Ear Nose Throat J.* 87:458-62.

Olson A, **Shinn J**. A Systematic Review to Determine the Effectiveness of Using Amplification in Conjunction with Cochlear Implantation. *JAA*. Accepted.

Bush M, **Shinn J**, Jones B & Young B. (2008) Long Term Hearing Results in Gamma Knife Radiosurgery for Acoustic Neuromas. *Laryngoscope*. 118:1019-1022.

Shinn J, Musiek, F. (2007) The Auditory Steady State Response in Individuals with Neurological Insult of the Central Auditory Nervous System. *JAAA*. 18:832-851.

Musiek F, Baran J, **Shinn J**, Guennette L, Zaidan E, Weighing J. (2007) Central Deafness: A Case Study and Literature Review. *International Journal of Audiology*. 46: 433-441.

Shinn J, Bush M, Jones R. Correlation of Central Auditory Processing Deficits and Vascular Loop Syndrome. *Ear, Nose & Throat Journal*. Accepted.

Weihing J, Musiek F, **Shinn J**. (2007) Intensity Effects of Gaps-In-Noise. *Journal of the American Academy of Audiology*. 18(2), 141-150.

Baran, J, Musiek, **Shinn, J F**,. (2006) New Developments in the Assessment and Management of APD. *Audiological Medicine*. 4, 35-45.

Musiek F, **Shinn J**, Jirsa B, Bamiou D, Baran J, Zaiden E. (2005). The GIN[®] (Gaps in Noise) Test Performance in Subjects with Confirmed Central Auditory Nervous System Involvement. *Ear and Hearing*. 26(6),608-618.

Shinn J, Baran F, Moncreiff D, Musiek F. (2005). Differential Attention Effects of Dichotic Listening. *Journal of the American Academy of Audiology*. 16:205-218.

Musiek F, Baran J, **Shinn J**. (2003). Assessment and remediation of an auditory processing disorder associated with head trauma. *Journal of the American Academy of Audiology*. 15(2):117-132.

Musiek F, **Shinn J**, Hare C. (2002) Plasticity, Auditory Training, and Auditory Processing Disorders. *Seminars in Hearing*. 23(4):263-275.

Walker M, **Shinn J**, Cranford J, Givens G, Holbert D. (2002) Auditory temporal processing performance of young adults with reading disorders. *Journal of Speech, Language and Hearing Research*. 45(3):598-605.

Miscellaneous Publications:

Shinn J (2005). The Link Between Auditory Processing and Plasticity. In *The GRAM: California LDA Newsletter*. Spring 2005.

Shinn J. (2003). Temporal Processing: The Basics. In F. Musiek's *PathWays. The Hearing Journal*, 56(7):52.

Shinn J. (2002). Auditory plasticity: What is it, and why do clinicians need to know? In F. Musiek's *PathWays. The Hearing Journal*, 55:70.

PRESENTATIONS:

Shinn J, Jones R. Tinnitus Beyond the Periphery: Evaluation to Rehabilitation. AAO-HNS, San Diego, 2009.**

Shinn J, Jones R. Current Perspectives on Central Auditory Processing. AAO-HNS, San Diego, 2009.**

Gal TJ, **Shinn J.** The Landscape of Acoustic Neuromas in the 21st Century. AAO-HNS, San Diego, 2009.**

Shinn J, Musiek F. (C)APD Boot Camp. Storrs, CT 2009.*

Musiek F, **Shinn J.** Neuroaudiology: Audiologic Manifestations of Neurological Disorders. AAA, Dallas 2009. *

Shinn J. (Central) Auditory Processing Disorders: Assessment and (Re)Habilitation. University of Kentucky Annual CSD Workshop. Lexington, KY February 2009*

Shinn J, Baran J, Hurley A. (Central) Auditory Processing Disorder:Adult Grand Rounds. ASHA, Chicago 2008.*

Shinn J. Auditory Processing Disorders: From Diagnosis to (Re)Habilitation. Michigan Audiology Coalition. East Lansing, 2008.*

Shinn J, Jones R. Current Perspectives on Central Auditory Processing. AAO-HNS, Chicago, 2008.**

Shinn J, Musiek F. (C)APD Boot Camp. Storrs, CT 2008.*

Shinn J, Musiek F. Gaps-In-Noise in the Pediatric Population. Podium Presentation at AAA, Charlotte, 2008**

Shinn J. Aural Rehabilitation of (Central) Auditory Processing Disorders. University of Kentucky, March 2008.*

Shinn J, Musiek F. Gaps-In-Noise in the Pediatric Population. Podium Presentation at AAS, Scottsdale, 2008**

Shinn, J. Temporal Processing, Electrophysiology and Adult APD Assessment. University of Louisville, February 2008.*

Shinn J, Jones R. Current Perspectives on Central Auditory Processing. AAO-HNS, Washington DC, 2007.**

Bush M, **Shinn J**, Jones B & Young B. Long Term Hearing Results in Gamma Knife Radiosurgery for Acoustic Neuromas. Presentation at Kentucky Society of Otolaryngology Annual Meeting. Louisville, KY 2007.**

Gossman D, **Shinn J**, Jones R. The effect of transtympanic gentamicin treatment on vestibular evoked myogenic potentials (VEMPs) in patients with Meniere's disease: A preliminary report. Triologic Society, San Diego 2007.**

Shinn J, Musiek F. (C)APD Boot Camp. Storrs, CT 2007.*

Bush M, Jones R, & **Shinn J**. VEMP: Test – ReTest Reliability. Poster Presentation at AAS, Scottsdale, 2007.**

Olson, A & **Shinn J**. Evidenced Based Effectiveness of BiModal Stimulation. Poster Presentation at AAS, Scottsdale, 2007.**

Shinn J. Current Perspectives of (Central) Auditory Processing Disorders. Invited presentation at the Kentucky Speech-Language & Hearing Association Annual Convention, Lexington, Kentucky 2007.*

Shinn J. Current Perspectives of (Central) Auditory Processing Disorders. Invited presentation at the Kentucky Academy of Audiology, Frankfort Kentucky 2006.*

Shinn J, Bush M. Current Trends in Electrophysiology. University of Connecticut 1st Annual Symposium on (C)APD. Storrs, CT 2006.*

Shinn J (moderator), Musiek F, Jacobson G. Utilization of Middle & Late Auditory Evoked Potentials. Presentation at AAA, Minneapolis, 2006.

Paulovicks J, Weihing J, **Shinn J**, Musiek F. The Effects of Masking on the Gaps-In-Noise Test. Presentation at AAA, Minneapolis, 2006.**

Shinn J, Musiek F. Temporal Processing: From Science to Practice. Presentation at AAA, Minneapolis, 2006.**

Shinn J, Musiek F, Hall J, Keith R. Grand Rounds in Central Auditory Processing Disorders. Presentation at AAA, Minneapolis, 2006.*

Shinn J, Keith B & Chermak C. Diagnosis and Management of Auditory Processing Disorders. IAPA, Mexico City.*

Bush M, Jones R, Musiek F & **Shinn J**. Auditory Brainstem Response and Behavioral Testing in Acoustic Neuroma Detection. Poster Presentation at AAS, Scottsdale, 2006.**

Shinn J. Temporal Processing. Presented at the University of Louisville.*

Shinn J, Musiek, F. Emerging Technology: From Science to Practice. Invited presentation at ASHA. San Diego, 2005.*

Shinn J. Electrophysiological Assessment of Auditory Processing Disorders. Developing and Efficient and Practical Central Auditory Test Battery. 2nd Annual Symposium on (C)APD. Presentation Storrs, CT 2005.*

Shinn J, Musiek F. The ASSR in Individuals with Neurological Lesions of the CANS. AAA, Washington DC, 2005.*

Weihing J, **Shinn J, Musiek F.** The Influence of Presentation Level On The Gaps-In-Noise Test (GIN). AAA, Washington DC, 2005.**

Shinn J, Bamiou D, Musiek F. The ASSR in Individuals with Neurological Lesions of the CANS. Poster at AAS, 2005.**

Shinn J, Musiek F. The Colt: Diagnostic Horsepower. Presentation at ASHA. Philadelphia PA 2004.**

Shinn J, Moncrieff D, Musiek F. New Diagnostic and Treatment Approaches to APD. Presentation at ASHA. Philadelphia, PA 2004.**

Shinn J & Musiek F. What's new in evoked potentials? University of Connecticut 1st Annual Symposium on (C)APD. Storrs, CT 2004.**

Weihing J, **Shinn J, Musiek F.** The Influence of Presentation Level On The Gaps-In-Noise Test (GIN). Poster ASHA. Philadelphia, PA 2004.**

Shinn J, Musiek F, Baran J. Differential Attention Effects on Dichotic Listening. Presentation at AAA. Salt Lake City, UT.**

Guenette L, **Shinn J, Baran J, Zaiden E, Musiek, F.** Central Deafness: Two Case studies. Poster at AAA. Salt Lake City, UT.**

Shinn J, Jirsa B, Baran J, Musiek F. Clinical Measures of Temporal Resolution Using Gaps-In-Noise. Poster at AAS. Scottsdale, AZ 2003.**

Shinn J, Musiek F, Baran J. Differential Attention Effects on Dichotic Listening. London, England 2003.**

Shinn J, Musiek F, Baran J. Differential Attention Effects on Dichotic Listening. Poster at AAS. Scottsdale, AZ 2003.**

SOUNDTEC Direct System Phase II: Clinical Update from Two Clinical Sites. Presented at AAA. Philadelphia, PA 2002.**

McCormick C., Musiek F, Baran J, **Shinn J**. A Look at DPOAEs Using Shifted Frequencies. Presented at ASHA. San Antonio, TX November 1998.**

Musiek F, Charette L, Kelly T, Lee W, Oxholm V, **Shinn J**, McCormick C. Diagnostic Efficiency of Middle Latency Evoked Responses. Presented at ASHA. San Antonio, TX November 1998.**

*Invited Presentation ** Submitted Presentation

INTERVIEWS: IPods and Noise Induced Hearing Loss
WUKY 91.3 FM

Noise Induced Hearing Loss
WEKU 88.9 FM

CURRENT

APPOINTMENTS: Assistant Professor – University of Kentucky
Adjunct Professor – University of Louisville
Graduate Faculty – University of Kentucky

PREVIOUS

APPOINTMENTS: Instructor of Surgery in Audiology 2001-2002
Dartmouth Medical School

LICENSURE &

CERTIFICATION: ASHA Certification of Clinical Competence (12014446)
Kentucky State License (0457)
American Board of Audiology Certification

AWARDS:

2007 Resident Teaching Award
AAA Student Research Forum 2005
American Auditory Society Mentored Student Research Award 2005
University of Connecticut Doctoral Dissertation Fellowship 2005
ASHA Award for Continuing Education 2004
American Auditory Society Mentored Student Research Award 2004
American Auditory Society Mentored Student Research Award 2003
ASHA Award for Continuing Education 2002
ASHA Foundation Graduate Student Scholarship 2002
John E. Sexton Audiology Scholarship 1999

HONORS:

Best Article in Diagnostic Audiology 2007. **Shinn J**, Musiek, F. (2007) The Auditory Steady State Response in Individuals with Neurological Insult of the Central Auditory Nervous System. *JAAA*. 18:832-851. Selected by the Hearing Journal.

Best Article in Aural Rehabilitation 2004. Assessment and Remediation of an Auditory Processing Disorder Associated with Head Trauma. *Journal of the American Academy of Audiology*, 15:117-133, 2004. Selected by the Hearing Journal.

Best Article in Diagnostic Audiology 2003. Pathways: Temporal Processing. *The Hearing Journal*, 2003. Selected by the Hearing Journal.

REVIEWER: Journal of Speech-Language and Hearing Research
Journal of the American Academy of Audiology

COMMITTEES: Program Chair, AAA AudiologyNOW 2010
Member, ASHA 2009 Adult Diagnostics
Chair, AAA 2009 Learning Labs Committee
Member, AAA 2007 Student Committee
Member, AAA 2006 Pre-Convention Workshop Committee
Member. AAA 2005 Exhibitor Review Committee

PROFESSIONAL

MEMBERSHIPS: American Speech-Language Hearing Association
American Academy of Audiology
American Auditory Society
Kentucky Speech-Language Hearing Association
International Society of Audiological Medicine
American Academy of Otolaryngology – Head & Neck Surgery

AUDIOLOGICAL TEST

DEVELOPMENT: The Gaps-In-Noise (GIN) Test 2005