

Neuroaudiology Newsletter

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Happy New Year!



Audiology Doctoral Project Presentation



The University of Arizona's Neuroaudiology Lab, **Barrett St. George** (pictured left) has completed his audiology doctoral project that he has been working on for the past 2 1/2 years! Barrett is a 3rd year AuD/PhD student and worked on this research project with **Dr. Frank Musiek**. Barrett's work is titled, "Modern Views on the Anatomy of Planum Temporale" and he will present his research at the University of Arizona Speech, Language, and Hearing Sciences building on February 1st, 2017 at 12pm!

2017 Pathways Meeting

What: Hearing Health and Technology Matters: Pathways annual meeting

Where/When: This meeting will take place at the American Academy of Audiology annual conference, AudiologyNOW! in Indianapolis, Indiana (details later regarding specific location).

Why: This meeting will have two segments: Business matters and Presentations on CAPD. Those who are planning to attend are encouraged to submit agenda items.

Who: To submit agenda ideas or for additional information, contact Cydney Fox at cydneyfox@gmail.com.



Did you know?....

Amusia is the imperception and/or compromised recognition of music not related to peripheral auditory system dysfunction. Several case studies have shown damage to the right auditory cortex usually secondary to stroke. Some of these cases also show involvement of the right insula.

AudiologyNOW!

The American Academy of Audiology's annual AudiologyNOW! conference will be held on April 5-8, 2017 at the Indiana Convention Center and Lucas Oil Stadium in Indianapolis, Indiana.

An exciting reason to attend this year is to support our Neuroaudiology Lab! Members **Barrett St. George**, **Andrew DeMarco**, and supervisor, **Dr. Frank Musiek** will be presenting a Featured Session titled, A 3-D Rotational Tour of the Vertebro-basilar System: It's Neuroanatomy and NeuroAudiology.



This is an invaluable presentation that may open a new world of audiology. CEUs will be offered.

Upcoming Conferences

Alyssa Everett, **Nicole Denny**, **Barrett St. George**, **Diane Cheek**, **Bryan Wong**, and **Renata Filippini** will be presenting their research work conducted in Dr. Frank Musiek's Neuroaudiology lab at the following audiology conferences:

Association for Research in Otolaryngology



Baltimore Maryland

-**Barrett St George** presenting, "Modern Views on the Anatomy of Planum Temporale"

American Academy of Audiology, AudiologyNOW!



Indianapolis, Indiana

-**Alyssa Everett** and **Nicole Denny** presenting, "Variations in the Duration Pattern Test"

-**Diane Cheek** and colleagues presenting, "ABR Heralds the Initial Diagnosis of Neurofibromatosis Type II"

-**Barrett St George** presenting, "Modern Views on the Anatomy of Planum Temporale"

-**Bryan Wong** presenting, "Auditory Temporal Processing Tests: An Indicator of CANS Pathology"

-**Renata Filippini** presenting, "Diagnostic Accuracy of the GIN Test for Neuro-auditory Lesions"

MARK YOUR
CALENDARS FOR AN
UPCOMING TALK AT
THE UNIVERSITY OF
ARIZONA

Erik Musiek, MD, Ph.D. from Washington University School of Medicine will be giving a talk at the University of Arizona for the Neuroscience program on Tuesday February 28, 2017.

His talk will take place in the Gould-Simpson building in room 601 at 4:00pm.

This will be a very interesting talk on Circadian Rhythms and Alzheimer's Disease.

Erik Musiek is a top researcher in the field of Alzheimer's and this is not a talk you will want to miss!!

Presentations by Dr. Musiek

Invited Lectures	Date and Location	Lecture Title
Speech, Language, and Hearing Homecoming Lecture	October 29: Tucson, Arizona	A 3-D Tour of the Auditory Brain
Inaugural Address Grand Rounds Louisville School of Medicine	November 7: Louisville, Kentucky	When Silence is Good: Application of the GIN Procedure
GSI Webinar	November 9	Introduction to Temporal Processing and its Application to CAPD and other Aspects of Neuroaudiology
Joint DOD & VA Audiology Conference	February 6-8: Anaheim, California	Adult Clinical Populations & CAPD
Association of Research in Otolaryngology	February 11-15: Baltimore, Maryland	TBA
Speech & Hearing Association of Virginia	March 23-25: Richmond, Virginia	Part 1: Fundamentals of Pediatric CAPD, Part 2: An Overlooked Population: Adult CAPD
American Academy of Audiology; AudiologyNOW!	April 5-7: Indianapolis, Indiana	A 3-D Rotational Tour of the Vertebro-basilar System: It's Neuroanatomy and NeuroAudiology
Kaiser Permanente Audiology Symposium	May 14-15: Oakland, California	TBA
International Evoked Response Study Group	May 21-25: Warsaw, Poland	TBA

Did you know?....

It has been 30 years since the publication of the validity study on the Frequency (Pitch) Pattern Test:
 Musiek, F.E. & Pinheiro, M.L. (1987). Frequency Patterns in Cochlear, Brainstem, and Cerebral Lesions. *Audiology*, 26, 79-88.

Past Neuroaudiology Newsletters

All past newsletters can be found at:
<http://musiek.faculty.arizona.edu/>

Recent Article of Interest

Dichotic listening as an index of lateralization of speech perception in familial risk children with and without dyslexia; *Seminars in Hearing*

S. Cameron, H. Glyde, H. Dillon, A. King, & K. Gillies

Hearing Health and Technology Matters: Pathways Articles

Some have not been aware of the Pathways articles that appear monthly in Hearing Health and Technology Matters (HHTM) [<http://hearinghealthmatters.org/pathways/>]. These are short, educational articles that are of interest and are on topics that are not well known to the general audiology community. A list of these articles is provided below and all can be accessed via HHTM – Pathways section.

HHTM Pathways Article Title:	Date:	Authors:
The N400 Event Related Potential: An Overview	March 4, 2014	Dara Kelly
2nd Global Conference on CAPD: Another Big Success	April 23, 2014	Frank E. Musiek, PhD
In Desperation, I Gave Myself Therapy	May 4, 2014	Jack Katz, Ph.D.
Book review: Auditory Event-Related Potentials to Words: Implications for Audiologists by James Jerger, Jeffery Martin and Katherine Fitzharris	May 21, 2014	Frank E. Musiek, PhD
Hearing Loss in Stroke	June 4, 2014	Nehzat Koohi
Considerations of CNS Auditory Processing in Hearing Rehabilitation for Older Adults: Addressing Their Listening Environments and Those Who Speak for Them	July 2, 2014	Raymond H. Hull, PhD, FASHA, FAAA
The Auditory System: What's the Cerebellum got to do with it?	August 6, 2014	Hillary K. Siddons and Frank E. Musiek
Bilateral vestibular hypofunction: An interesting problem	September 3, 2014	Stephanie A. Waryasz
Maximizing Auditory Training Effectiveness – A Clinical Perspective	October 1, 2014	Carol A. Lau
Comparison of Staggered Spondaic Words and Competing Words Test Results in ADHD: A Case Study	November 5, 2014	Vishakha Rawool
“Undercut” Lesions in the Auditory Areas of the Cerebrum	December 3, 2014	Frank E. Musiek, Ph.D.
Unmasking Auditory Temporal Masking	January 7, 2015	Renata Filippini, Ph.D.
Auditory impacts of Blast Exposure	February 6, 2015	Melissa A. Papesch and Frederick J. Gallun
Revisiting the Journal of Auditory Research (JAR)	March 4, 2015	Jeff Weihing and Frank E. Musiek
Geschwind and Levitsky Revisited	April 1, 2015	Frank E. Musiek, Ph.D.
Cryoloop Cooling: A Research Advance with Clinical Implications	May 6, 2015	Barrett St. George, Diane Cheek, Alyssa Everett and Frank E. Musiek, PhD

Hearing Health and Technology Matters: Pathways Articles Cont....

HHTM Pathways Article Title:	Date:	Authors:
Speech in Noise Deficits in Children with Attention Deficit Hyperactivity Disorder	June 3, 2015	Donna Geffner, Ph.D.
Thoughts on Hearing and Cognition	July 9, 2015	Vasiliki (Vivian) Iliadou
Auditory Evoked Potentials in Autism	August 5, 2015	Hillary Siddons
Alzheimer's Disease and CAPD: George Gates' Contributions	September 2, 2015	Giau N. Le and Frank E. Musiek, Ph.D
Some Random Thoughts on Frequency (Pitch) and Duration Patterns	October 7, 2015	Frank E. Musiek, Ph.D.
Status of Central Auditory Processing Disorders in India	December 2, 2015	N. Shivashankar
Cochlear Dynorphins, Stress and Tinnitus	January 6, 2016	Tony L. Sahley
Commentary on "Effects of Low Pass Filtering on Ear Asymmetry in Dichotic Listening and Some Uncontrolled Error Sources" (Spreen and Boucher, 1970)	February 3, 2016	Frank E. Musiek and Jeff Weihing
Neuromorphological Abnormalities and Central Auditory Processing Disorders: An Overview	March 3, 2016	Chloe E. Robbins
Sound Localization in Split-brain Subjects	April 6, 2016	Renata Filippini, PhD
Assays of the Caudal Efferent Auditory System: Part I	May 4, 2016	Spencer B. Smith
Assays of the Caudal Efferent Auditory System: Part II	June 1, 2016	Spencer B. Smith
The Auditory Processing Questionnaire: Differential Screening for APD Overview	July 6, 2016	Brian O 'Hara
Loudness Recruitment: A Commentary	August 3, 2016	Frank E. Musiek, Ph.D.
Rationale for the Use of Sound Field Systems for Children with Central Auditory Nervous System Dysfunction: Part 1	September 7, 2016	Steve Bornstein, Ph.D.
Rationale for the Use of Sound Field Systems for Children with Central Auditory Nervous System Dysfunction: Part 2	October 5, 2016	Steve Bornstein, Ph.D.
Classrooms, noise and auditory processing disorders	November 2, 2016	Mridula Sharma