**HAPPY NEW YEAR 2019**

Happy 2019 from the Neuroaudiology Lab at The University of Arizona. This year will be full of conferences, posters, and prospectus presentations. Stay tuned to this year's newsletters to keep up-to-date on our contributions to science.

Neuroaudiology Lab Picture 2019

Pictured from left:

Dr. Frank Musiek, Carrie Clancy, Jillian Bushor, Maggie Schefer, Tathiany (Tathi) Pichelli, Jessica Fang, Barrett St. George, Sarah Beatty, Bryan Wong, Aaron Whiteley.

Not pictured: Dr. Alyssa Everett, Lori Sommerfeld, and Athena Luong

GLOBAL CONFERENCE ON CAPD

Time to start planning! The Third Global Conference on CAPD: Synergies Between Lab and Clinic will take place on March 30, 2019 in Columbus, Ohio. This is held in conjunction with the American Academy of Audiology annual convention. The Co-Directors include Frank Musiek and Gail Chermak with AAA Administrative Support from Kim Myland.

Keynote Addresses will feature Vivian Iliadou, MD, PhD and Mridula Sharma, PhD

Major presentations by Barbara Shinn-Cunningham, PhD, Frederick (Erick) Gallun, PhD, and Frank Musiek, PhD.

Panel Presentations by Teri Bellis, PhD, Jeanane Ferre, PhD, Dimitra Loomis, AuD, and Eliane Schochat, PhD.
MAJOR PUBLICATIONS

Some of the major Neuroaudiology Lab publications from 2018:


AUDIOLOGY TRIVIA!

Test your knowledge (Answers on the last page):

1) Ernest Glen Wever, the famous hearing scientist, spent most of his career at which of the following Universities?
   a) Northwestern b) Princeton c) UCLA d) Columbia

2) In audiology and hearing science, the "T" complex refers to what?
   a) An auditory evoked potential b) a structure in the cortex c) a localization procedure d) a VEMP waveform

3) In what year did Pauline and Hallowell Davis first report on recording an evoked potential using acoustic stimuli?
   a) 1929 b) 1939 c) 1949 d) 1959
The Arizona Speech-Language-Hearing Association (ArSHA), is nearing its 60th year representing and advocating for the state and national needs of Arizona Audioligists and Speech-Language Pathologists. The nearly 500 licensed audiologists in Arizona are represented at the state level by a volunteer force of CSD professionals, who collaborate regularly with various state level organizations. With the help of a consultant and lobbying firm, ArSHA stays current on state government matters and legislation that may affect the CSD professions and the individuals we serve, initiating action when needed and quickly responding to situations as they arise.

ArSHA offers discounted and free ASHA and AAA CEUs at annual conventions, which feature a popular audiology track with engaging speakers and current topics. Convenient, on-demand webinars are also offered free to members and at a discounted rate for non-members. The next convention audiology track will be held Saturday, April 6, 2019, in Phoenix, AZ.

Upcoming webinars in February and June will address two major issues: 1) the association of hearing loss, aging, and cognition in neurodegenerative disorders and 2) the supervision of audiology students. ArSHA encourages Arizona audiologists to join ArSHA to help grow and strengthen the audiology wing of the organization. Members can assist with making decisions on future professional development topics and speakers, organizing social and networking events around the state, joining established committees, such as Government Relations and Ethics, or by joining or establishing audiology specific committees, fully supported and funded by ArSHA.

Many rewarding opportunities await those who are ready to step into leadership roles and who want to better serve audiologists throughout Arizona. You are invited to get more information on membership by emailing arsha@arsha.org, visiting the website at https://www.arsha.org/, or by following the organization on Facebook and Instagram. For questions or comments about what ArSHA has to offer Arizona audiologists, all are encouraged to email current President, Fe Murray, at president@arsha.org.
UPCOMING CONFERENCES

<table>
<thead>
<tr>
<th>Conference</th>
<th>Date and Location</th>
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<tbody>
<tr>
<td>India National Speech &amp; Hearing Meeting</td>
<td>February 8-10, 2019: Bangalore, India</td>
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<tr>
<td>Association for Research in Otolaryngology</td>
<td>February 9-13, 2019: Baltimore, MD</td>
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<tr>
<td>American Auditory Society</td>
<td>February 28-March 2, 2019: Scottsdale, AZ</td>
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<tr>
<td>American Academy of Audiology (AAA)</td>
<td>March 27-30, 2019: Columbus, OH</td>
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<tr>
<td>CAPD Global Conference</td>
<td>March 30, 2019: Columbus, OH</td>
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<td>The Audiology Track at the ArSHA Convention</td>
<td>April 6, 2019: Phoenix, AZ</td>
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<tr>
<td>International Hearing Loss Conference: From Cochlea to Cortex</td>
<td>May 5-9, 2019: Ontario, Canada: Niagara-on-the-Lake</td>
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DID YOU KNOW???

"Auditory adaptation" is a term that seems to be used less frequently in modern day audiology, despite its well-established importance in basic and clinical science. Auditory adaptation is defined as the decrement in loudness during ongoing exposure to a continuous acoustic stimulus. In the neural system (specifically the auditory nerve), there is a steady decrease in neural firing rate until approximately 3 minutes of continuous stimulation have passed; after that point, the nerve activity levels off. When the stimulus is stopped, neural firing rates will rapidly increase, returning to pre-stimulus activity levels.
ALL ABOUT LEARNING

Over the past Fall 2018 semester, Dr. Musiek and several first-year AuD students convened an informal Reading, Review, and Commentary group within the Neuroaudiology Lab. Affectionately dubbed "RRC", this group meets periodically to explore and discuss important publications relating to neuroaudiology. Under Dr. Musiek's supervision, group members work collaboratively to extend their knowledge of neuroanatomy, physiology, and diagnostic audiology outside the regular AuD coursework. The RRC plans to continue meeting in the upcoming semester; keep an eye on the Neuroaudiology Newsletter to read more about these activities.

DID YOU KNOW???

By conducting electrical stimulation of a dog's cortex, Fritsch and Hitzig in 1870 were perhaps the first to attribute various functions to particular loci in the brain. Prior to this, functional brain localization was undertaken mostly by phrenologists, or pseudoscientists who measured bumps on the skull to predict mental traits—which led to much misinformation and stigma regarding localizing brain functions.

TRIVIA ANSWERS!

1) Ernest Glen Wever spent most of his career at (B) Princeton.

2) The "T" complex refers to (A) an auditory evoked potential.

3) Pauline and Hallowell Davis first recorded evoked potentials using acoustic stimuli in (B) 1939.

Past Neuroaudiology Newsletters
All past newsletters can be found at: http://musiek.faculty.arizona.edu/