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NeuroAudiology Newsletter

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The Man, The Myth, The Legend: Frank Musiek

It is always incredible to look back on the career of someone who has been so influential and respected by those all over the world. May 2022, Dr. Frank Musiek is officially passing the torch to us mere mortals and retiring! Frank began his career in 1976 at Dartmouth Medical School. During his career, he achieved full professorship at Dartmouth along with two other revered universities: Connecticut and Arizona. Further, he became the Director of Audiology and Auditory Research at Dartmouth and University of Connecticut.



Dr. Musiek brought together top researchers from all around the world to participate in a CAPD Boot Camp to educate on the importance of NeuroAudiology and how to conduct and interpret auditory processing tests. He also created a space for researchers to present to students, faculty, and the community; Lectures in Auditory Disorders and Sciences from 2002 to 2019.

He has been on over 30 thesis committees, chaired a number of professional committees, is the founder of Hearing Health and Technology Matters Pathways Society, and was an original founding member of the American Academy of Audiology. It would be easy to carry on for the entirety of this newsletter to list the grants and awards Dr. Musiek has achieved, all the publications, and tests he helped to develop over the 40+ years in his career. Instead, I reached out to a small handful of the countless individuals that Dr. Musiek has influenced over the years to help celebrate his retirement!

A Tribute to Frank's Retirement

Professor Doris-Eva Bamiou, MD, MSc, FRCP, PhD: Frank's enthusiasm, erudition, insightfulness and prescience inspired me to study NeuroAudiology, the field that he pioneered. He is the kindest person, and together with Sheila's charm and warmth, they made my learning journey a wonderful experience. I am grateful to him for my PhD and for being my forever mentor!

Professor Eliane Schochat, PhD: Entering into retirement needs a plan for the next chapter. I don't really believe you will be able to take this step, I hope so. I want to let you know that you will always be my Professor and the most important person in my professional life. You taught me everything I am today. But, above all of this, you are, and will continue to be, my best friend. Have a wonderful new life. All the best.

Professor John Durrant, PhD: Mucho congrats, Frank, for your many accomplishments in academia in your endeavors to make sense of the wild and crazy sensory system of our mutual affection. Thanks too for the privilege of our career-long collegiate and personal camaraderie, with the bonus of being able to carry on a bit together in the Arizona sun.

Barrett St. George, PhD: Congratulations on your retirement, Dr. Musiek. Your contributions to the field of audiology are outstanding. I am honored to be one of your students. I appreciate your mentorship and kindness. Your passion for research, and really, everything you do, is remarkable.

Audiologist Nicole Denny, AuD: Dr. Musiek, wishing you all the best in your retirement! I am forever grateful for all of the research opportunities you provided me with in grad school! You helped mold me into the audiologist I am today. Thank you!

PhD. Candidate Bryan Wong, AuD: From being able to clean-and-jerk over 100kg to being the foremost expert in CAPD and auditory neuroanatomy, thank you for being such a tremendous role model and pillar of support. You have shaped the history of Audiology and created a legacy that will live on in perpetuity. I will always be grateful for your mentorship, words of wisdom, and kindness. Thank you again!

A Tribute to Frank's Retirement



Now back to your regularly scheduled program.

NeuroAudiology/CAPD Corner



Topic: Vowel Discrimination

One of the challenges for classroom teachers and reading specialists is the student who cannot seem to “learn their vowel sounds”. These students also often have difficulty reading – as might be expected. In many of these cases, the student having difficulty learning vowels has a more basic problem with auditory discrimination in general. It is this student, who can be helped by

simple auditory discrimination training.

Intensity, frequency and duration discrimination practice, starting with pure tone stimuli, can prove helpful to these students struggling with vowel identification/discrimination. Though vowel identification/discrimination requires more than discrimination of the fundamental frequency, basic auditory discrimination assessment is a logical place to start. This discrimination practice of tonal stimuli can progress to practice on vowels in isolation and then in words.

AUDIOLOGY TRIVIA

ANSWERS ON THE LAST PAGE

1) In audiology circles, Thomas Gold’s 1946 publication pertained to what?

a) OAEs, b) ABR, c) Dichotic Listening, d) High Intensity Noise Effects

2) Famous psycho-acoustician S.S. Stevens first and middle names were what?

3) Which of the following auditory processing assessments did Frank Musiek help develop?

a) Gaps in Noise b) Dichotic Digits, c) Frequency Pattern, d) all of the above

CAPD Corner Suggested Reading

- Miller, J. (1989). Auditory perceptual interpretation of the vowel. *The Journal of the Acoustical Society of America*, 85, 2114.

Visiting the NeuroAudiology Lab

Recently, Jennifer Gonzalez, PhD, of the Mayo Clinic in Scottsdale and Wayne Staab, PhD from St. George Utah, visited the NeuroAudiology Lab at the University of Arizona. They provided insightful presentations to the NeuroAudiology/CAPD class. Dr. Gonzalez outlined the new CAPD service program at Mayo and commented on CAPD in general. Dr. Staab reviewed key developments in the hearing aid industry over the past 50 years. Both speakers revealed a sometimes difficult and unusual pathway to advances in each of their areas of interest. The presentations were well-received. Both speakers also spent time in the lab discussing current issues in audiology with faculty and students. What a great way to encourage collaboration and continuing research!

Pathways Society Monthly Articles

<https://hearinghealthmatters.org/pathways/>

(May): **Evaluation and Management of Adult Auditory Processing Disorders: Part 2.** J. Shinn and T. Cline

(April): **Evaluation and Management of Adult Auditory Processing Disorders: Part 1.** J. Shinn and T. Cline

(March): **The Insula, Hearing and More.**

(March): **An Overview of Landau-Kleffner Syndrome.** A. Moody, M. Lee, and A. Hurley

Newsletter Update

Although Dr. Musiek is retiring, the NeuroAudiology Newsletter will still continue on with Frank as the co-editor.

AUDIOLOGY TRIVIA ANSWERS

- 1) Thomas Gold's 1946 publication pertained to (A) OAEs.
- 2) S.S. Stevens first and middle names were Stanley Smith.
- 3) Frank Musiek helped develop (D) all of the tests listed: GIN, DDT, FPT. What a pioneer for our field!

PAST NEWSLETTERS: All past newsletters can be found at: musiek.faculty.arizona.edu