



CONFERENCE PROGRAM

CALIFORNIA ACADEMY OF AUDIOLOGY

18th Annual Conference

September 7–9, 2017

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TABLE OF CONTENTS

President's Welcome	4
About CAA	5
Agenda / Schedule at a Glance.....	6-7
CEU Grid	8
Conference Information	9
Thank you to our Sponsors	10
Session Abstracts	11-17
Speaker Biographies.....	18-23
Exhibitor List & Conference Map	24-25



WELCOME FROM THE PRESIDENT



Welcome to the **18th Annual Conference of the California Academy of Audiology in Sacramento!** I am incredibly grateful and thankful to everyone who came to our conference this year, and especially to those who are annual attendees. This year has been an exciting time of changes and growth for CAA, and I'm pleased to introduce you all to the things we have been working on since January.

Jackie Clark, the current President of AAA, will start us off with an update on the state of affairs with our national academy and the fast-approaching changes to our industry. Be sure to take advantage of our heavier topics this year, such as autism and electrophysiology, and learn how you can incorporate state-of-the-art technology and techniques into your clinical repertoire.

Many may already be aware of my call to action at the beginning of the year: to have your voice heard, one must be diligent and be involved. Without your active participation in CAA, the Board of Directors cannot hope to truly represent you and the interests that serve your specific role in the audiology world. If you feel under-represented by CAA in any way, now's the time to speak up, get involved, and be the voice! If you are not yet a member of CAA, we highly encourage you to join while you are here at the conference to take advantage of membership this upcoming year.

Our exhibitors and sponsors generously provide CAA with funds so that we might offer the absolute best to our attendees. They allow us to explore new and different products with demonstrations and examples, offer networking and job opportunities, and educate us on the latest and greatest in technology. Without them, our conference would not be possible. Be sure to visit every booth! Our conference committee this year has been absolutely incredible at gathering some of the most relevant and exciting topics to offer at this event. I would like to personally thank those members and encourage you to acknowledge their hard work if you connect with them: our co-committee chairs **Amy White, Becky Bingea, and David Illich**; and fellow members **Bob Hanyak, Naomi Smith, Shahrzad Cohen, Jennifer Henderson Sabes, Veronica Koo, Andrea Rafii, Joyce Rodriguez, Marcia Raggio, Sharon Goodson, Christine Throm, Gail Amornponchai, Shu-En Lim, Ramsay Poindexter, Roe Saxman, and Jodi Wojcik**. While we expect a number of changes to our conference in 2018, we are more than happy to provide all attendees to CAA with their required annual CEUs every year.

Our management group, **JMS Association Management Professionals**, has also worked tirelessly to create a program that runs smoothly and effectively. We could not do this without their hard work and dedication. JMS has also been instrumental in one of our more exciting changes this year: our new website! Thank you to JMS for everything you do to support and assist CAA.

Of course, don't forget the most important part of CAA: networking! Our California population of audiologists is fairly intimate, so get to know your neighbors and fellow clinicians. By working together and learning from one another, we can provide better patient care and uphold our work with pride. On behalf of the **CAA Conference Committee** and the **Board of Directors**, I thank you again for attending this year's conference. Start planning now for Anaheim 2018!

Hear and Be Heard!

A handwritten signature in green ink, reading "Amber M. Powner".

Amber M. Powner, Au.D.
CAA President 2017

ABOUT CAA

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AGENDA

TIME	THURSDAY, SEPTEMBER 7	ROOM
7:00am – 8:00am	Registration	GRAND BALLROOM
8:00am – 8:15am	President's Welcome—Amber Powner, Au.D.	GRAND BALLROOM
8:15am – 9:15am	Jackie Clark, Ph.D.—“NAS, PCAST, FDA...Oh My!!: AAA Updates”	GRAND BALLROOM
9:15am – 10:15am	Kristina Backer, Ph.D.—“Neurophysiological Effects of Hearing Loss and Hearing Aid Usage on Perceptual and Cognitive Processing in Older Adults”	GRAND BALLROOM
10:15am – 10:30am	Break	GRAND BALLROOM
10:30am – 12:00pm	Doug Beck, Au.D.—“Issues in Tinnitus 2017”	GRAND BALLROOM
12:00pm – 1:30pm	Lunch and Exhibits	GRAND BALLROOM
1:30pm – 2:30pm	Jackie Clark, Ph.D.—“A Clinical Conundrum: Hearing ‘Impairment’ in the Presence of Normal Pure Tones”	GRAND BALLROOM
2:30pm – 4:00pm	Catherine Palmer, Ph.D.—“The Current Evidence Base in Hearing Aid Fitting—Where is it Leading Us?”	GRAND BALLROOM
4:00pm – 4:15pm	Break	GRAND BALLROOM
4:15pm – 5:45pm	Robert DiSogra, Au.D.—“Pharmaceuticals & Neutraceuticals for Hearing Loss and Tinnitus”	GRAND BALLROOM
5:45pm – 7:00pm	Cocktails and Exhibits	GRAND BALLROOM
TIME	FRIDAY, SEPTEMBER 8	ROOM
7:00am – 8:00am	Registration	GRAND BALLROOM
8:00am – 8:30am	Membership Meeting: Amber Powner, Au.D., President	GRAND BALLROOM
8:30am – 10:00am	Michael Harvey, Ph.D.— “The Transformative Power of a Hearing Healthcare Visit”	GRAND BALLROOM
10:00am – 10:15am	Break	GRAND BALLROOM

TIME	FRIDAY, SEPTEMBER 9, cont'd.	ROOM
10:15am – 11:45am	Christie Yoshinaga-Itano, Ph.D.—“Children with Autism who are Deaf or Hard of Hearing and Children with Auditory Neuropathy/Dyssynchrony”	GRAND BALLROOM
11:45am – 1:15pm	Lunch and Exhibits	GRAND BALLROOM
1:15pm – 2:45pm	Legislative & SLPAHADB Updates (Brokaw, Raggio, Sanchez, White)	GRAND BALLROOM
2:45pm – 3:45pm	Nancy Tye-Murray, Ph.D.—“Staying Competitive in Today’s Market: Aural Rehabilitation With Customized Hearing Healthcare”	GRAND BALLROOM
3:45pm – 4:00pm	Break	GRAND BALLROOM
4:00pm – 5:30pm	Sam Atcherson, Ph.D.—“Updates in Clinical Electrophysiology: Diagnosis, Auditory Training, and Amplification”	GRAND BALLROOM
5:30pm – 7:30pm	Cocktails, Exhibits, PAC Raffle, Silent Auction and Scavenger Hunt Winners	GRAND BALLROOM
TIME	SATURDAY, SEPTEMBER 9	ROOM
8:00am – 8:30am	Registration	CALIFORNIA BALLROOM
8:30am – 9:30am	Student Research Forum: Alexandra Lithgow, Esther Pugh, Melanie Rosenblatt, Mateel Musallam “Self-Adjusted Amplification by Experienced Hearing Aid Users”; “Speech-evoked Complex Auditory Brain Response (CABR) & Frequency Following Response (FFR) in the Neonatal Intensive Care Unit (NICU)”; “The role of complex ABR in diagnosing auditory processing disorders”	CALIFORNIA BALLROOM
9:30am – 10:30am	Amylani, Ph.D.—“Improving Patient Satisfaction and Loyalty Through Real Ear Measures”	CALIFORNIA BALLROOM
10:30am – 10:45am	Break	CALIFORNIA BALLROOM
10:45am – 11:45pm	Diron Cassidy, PT, MPT, GCS—“Vestibular Rehabilitation: What Every Audiologist Should Know”	CALIFORNIA BALLROOM
11:45pm – 12:45pm	Rupa Balachandran, Ph.D. & Shahrzad Cohen, Au.D.—“Incorporating CAPD in Private Practice: What You Need to Know to Get Started”	CALIFORNIA BALLROOM
12:45pm – 1:30pm	Lunch (Boxed Lunch—take to break out session)	CALIFORNIA BALLROOM
1:30pm – 4:30pm (Choose One)	Breakout 1—Preceptor Training: Jacque Georgeson, Au.D. & Jonette Owen, Au.D.	CALIFORNIA BALLROOM
	Breakout 2—“Telehealth for Audiologists and Hearing Aid Dispensers”: Bopanna Ballachanda, Ph.D.; Joshua Nitenson, Au.D.; Kent Collins, Au.D.; Andrea Bourne, Au.D.; Carol Meyers, Au.D.	CALIFORNIA BALLROOM

CEU INFORMATION

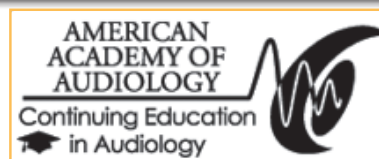
0.1 units = 1 hour of continuing education

THURSDAY	SEPTEMBER 7	CEUs AAA/ ASHA	Hours CA Au.D.	Hours DAU	CEUs Tier 1
7:00am – 8:00am	Registration				
8:00am – 8:15am	President's Welcome: Amber Powner, Au.D.	0.00	0.00	0.00	0.00
8:15am – 9:15am	Jackie Clark, Ph.D.—“NAS, PCAST, FDA...Oh My!!: AAA Updates”	0.00	0.00	0.00	0.00
9:15am – 10:15am	Kristina Backer, Ph.D.—“Neurophysiological Effects of Hearing Loss and Hearing Aid Usage on Perceptual and Cognitive Processing in Older Adults”	0.1	1.00	1.00	0.00
10:15am – 10:30am	Break				
10:30am – 12:00pm	Doug Beck, Au.D.—“Issues in Tinnitus 2017”	0.15	1.50	0.00	0.00
12:00pm – 1:30pm	Lunch and Exhibits				
1:30pm – 2:30pm	Jackie Clark, Ph.D.—“A Clinical Conundrum: Hearing ‘Impairment’ in the Presence of Normal Pure Tones”	0.10	1.00	0.00	0.00
2:30pm – 4:00pm	Catherine Palmer, Ph.D.—“The Current Evidence Base in Hearing Aid Fitting—Where is it Leading Us?”	0.15	1.50	1.50	0.00
4:00pm – 4:15pm	Break				
4:15pm – 5:45pm	Robert DiSogra, Au.D.—“Pharmaceuticals & Neutraceuticals for Hearing Loss and Tinnitus”	0.15	1.50	0.00	0.00
5:45pm – 7:00pm	Cocktails & Exhibits				
Total Thursday Hours		0.65	6.50	2.50	0.00
FRIDAY	SEPTEMBER 8				
7:00am – 8:00am	Registration				
8:00am – 8:30am	Membership Meeting: Amber Powner, Au.D., CAA President	0.00	0.00	0.00	0.00
8:30am – 10:00am	Michael Harvey, Ph.D.—“The Transformative Power of a Hearing Healthcare Visit”	0.15	1.50	1.50	0.00
10:00am – 10:15am	Break				
10:15am – 11:45am	Christie Yoshinaga-Itano, Ph.D.—“Children with Autism who are Deaf or Hard of Hearing and Children with Auditory Neuropathy/Dyssynchrony”	0.15	1.50	1.50	0.00
11:45am – 1:15pm	Lunch and Exhibits				
1:15pm – 2:45pm	Legislative & SLPADHDB Updates (Brokaw, Raggio, Sanchez, White)	0.15	1.50	0.00	0.00
2:45pm – 3:45pm	Nancy Tye-Murray, Ph.D.—“Staying Competitive in Today's Market: Aural Rehabilitation With Customized Hearing Healthcare”	0.10	1.00	1.00	0.00
3:45pm – 4:00pm	Break				
4:00pm – 5:30pm	Sam Atcherson, Ph.D.—“Updates in Clinical Electrophysiology: Diagnosis, Auditory Training, and Amplification”	0.15	1.50	0.00	0.00
5:30pm – 7:30pm	Cocktails, Exhibits, PAC Raffle, Silent Auction and Scavenger Hunt Winners				
Total Friday Hours		0.70	7.00	4.00	0.00
SATURDAY	SEPTEMBER 9				
8:00am – 8:30am	Registration				
8:30am – 9:30am	Student Research Forum: Alexandra Lithgow, Esther Pugh, Melanie Rosenblatt, Mateel Musallam	0.10	1.00	0.00	0.00
	“Self-Adjusted Amplification by Experienced Hearing Aid Users”; “Speech-evoked Complex Auditory Brain Response (CABR) & Frequency Following Response (FFR) in the Neonatal Intensive Care Unit (NICU)”; “The role of complex ABR in diagnosing auditory processing disorders”				
9:30am – 10:30am	Amy Amlani, Ph.D.—“Improving Patient Satisfaction and Loyalty Through Real Ear Measures”	0.10	1.00	1.00	0.00
10:30am – 10:45am	Break				
10:45am – 11:45am	Diron Cassidy, PT, MPT, GCS—“Vestibular Rehabilitation: What Every Audiologist Should Know”	0.10	1.00	0.00	0.00
11:45am – 12:45pm	Rupa Balachandran, Ph.D. & Shahrzad Cohen, Au.D.— “Incorporating CAPD in Private Practice: What You Need to Know to Get Started”	0.10	1.00	0.00	0.00
12:45pm – 1:30pm	Lunch (Boxed Lunch—take to break out session)				
1:30pm – 4:30pm (Choose one Breakout to attend)	Breakout 1—Preceptor Training: Jacque Georgeson, Au.D. & Jonette Owen, Au.D.	0.30	3.00	0.00	0.30
	Breakout 2—“Telehealth for Audiologists and Hearing Air Dispensers”: Bopanna Ballachanda, Ph.D.; Joshua Nitenson, Au.D.; Kent Collins, Au.D.; Andrea Bourne, Au.D.; Carol Meyers, Au.D.			3.00	
Total Saturday		0.70	7.00	4.00	0.30
GRAND TOTAL CEUs & HOURS		2.05	20.50	10.50	0.30



San Jose State University is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

This course is offered for 2.05 ASHA CEUs (Intermediate level, Professional area).



Academy of Audiology. • See more at <http://www.Audiology.org/development/continuingeducation/ceprovider/Pages/ApprovalRequirementsandGuidelines.aspx#sthash.xoj56UMN.dpuf>.
See Financial Disclosures at <http://caaud.org/conference.asp>

CAA is approved by the American Academy of Audiology to offer Academy CEUs for this activity. The program is worth a maximum of 2.05 CEUs. Academy approval of this continuing education activity does not imply endorsement of course content, specific products, or clinical procedures. Any views that are presented are those of the presenter/CE Provider and not necessarily of the American

CONFERENCE INFORMATION

BREAKFASTS AND LUNCHES

Food offerings on Thursday and Friday will be served in the Grand Ballroom where seating is provided. Saturday lunch offerings will be served in the California Pre-Function area (outside the educational area). Please see the agenda for times.

CEUs—POLICY AND CODES

Please record hours in the CEU Booklet provided. Codes will be announced at the end of each session for proof of attendance. CEU policies for dispensing audiologists and non-dispensing audiologists are also printed in detail in the CEU Booklet. Please return the CEU Booklet to staff at the end of the conference and use the worksheet provided in the CEU Booklet to keep track of CEUs for your own records.

EXHIBIT HALL

The Grand Ballroom hosts our many exhibitors this year. The exhibit hall is open from 8:00am to 7:30pm on Thursday and Friday. Be sure to turn to page 24 for a list of this year's exhibitors!

SESSION MATERIALS

There will be no handouts provided at conference. However, you can download session slides and materials at the CAA website (www.caaud.org). Please note that materials submitted may not be identical to presentations and those not submitted by the start of the conference will be posted as soon as they are received.

SILENT AUCTION & PAC RAFFLE

Don't miss CAA's two major fundraisers for the year: the Silent Auction and the Political Action Committee raffle. The silent auction raises money for the CAA general fund and the PAC raffle goes to the Teresa M. Clark Political Action Committee. It is this money that funds CAA's legislative activities. Stop by the tables in the Grand Ballroom to check out the incredible auction items and raffle prizes. Winners will be announced during Friday's cocktail hour.

LOOPING SERVICES

CAA is providing hearing loop services for attendees at the conference. This is provided by OTOjOY and we extend our sincere thanks!



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SESSION ABSTRACTS

THURSDAY, SEPTEMBER 7, 2017

9:15am – 10:15am

Neurophysiological Effects of Hearing Loss and Hearing Aid Usage on Perceptual And Cognitive Processing in Older Adults

Kristina Backer, Ph.D.

Successful communication relies upon both perceptual and cognitive processing, especially in sub-optimal listening conditions (e.g. a crowded restaurant). However, the normal aging process often involves declines in hearing (presbycusis). In addition to declines in certain cognitive abilities, such as selective attention and working memory. Despite the negative influence that untreated presbycusis can have on speech communication and quality of life, about two-thirds of older hearing aid candidates in the US reject treatment (NIH-NIDCD). Moreover, it remains unknown how a history of hearing aid use affects perceptual and cognitive processes that are implicated in successful listening. In this presentation, I will discuss results from a project in which we used electroencephalography (EEG) to determine how presbycusis and hearing aid use affects the neural registration of sound in the brain, as well as higher-level cognitive processes.

10:30am – 12:00pm

Issues in Tinnitus: 2017

Doug Beck, Au.D.

Tinnitus occurs more often than hearing loss, yet fewer tinnitus sufferers seek professional help. In addition, those who do seek hearing healthcare for hearing loss and those who need hearing aids will often present with tinnitus in addition to hearing loss. In this presentation, we'll review the contemporary peer-reviewed literature to present new information which directly impacts how to successfully manage 90% of tinnitus patients. We will survey peer-reviewed papers addressing tinnitus, and will present data, philosophies, protocols and outcomes consistent with those papers. This presentation will reveal that to successfully manage the tinnitus patient, we must appreciate the sound they perceive, and how it affects them. Stress management, cognitive behavioral therapy, use of hearing aids, progressive tinnitus management and Tinnitus Retraining Therapy will be discussed. Questions will be welcomed throughout the presentation.

1:30pm – 2:30pm

A Clinical Conundrum: Hearing "Impairment" in the Presence of Normal Pure Tones

Jackie Clark, Ph.D.

There are those few instances when a patient describes significant difficulty hearing, but the pure tone thresholds do not support the patient report, and differential testing does not support pseudohypacusis. This presentation will delve into some of the objective audiometric measures, beyond the behavioral pure tone that are available for objective documentation of hearing handicap. In addition, there will be a review of the conditions that may result in a patient perceiving a hearing handicapping condition as well as ethical remediation options that address the patient's needs and objective assessing whether the remediation is providing ample benefit.

SESSION ABSTRACTS CONT'D.

THURSDAY, SEPTEMBER 7, 2017, *cont'd.*

2:30pm – 4:00pm

The Current Evidence base in Hearing Aid Fittings—Where is It Leading Us?

Catherine Palmer, Ph.D.

The current evidence related to hearing aid selection, signal processing and feature benefit, verification, and outcome assessment will be presented. There are more compelling data now than ever before related to the need for evidence based hearing aid fittings. These data will be considered in light of recent recommendations from government and non-government agencies to improve access and affordability of hearing health care. Current data related to the cost of untreated hearing loss as a public health concern also will be considered. Current challenges and opportunities for hearing health care professionals will be discussed in the context of best practices and cost-effective care.

2:30pm – 4:00pm

Pharmaceuticals and Nutraceuticals for Hearing Loss and Tinnitus

Robert DiSogra, Au.D.

There are several FDA approved pharmaceuticals for hearing loss but none for tinnitus. Several new drugs that are currently undergoing clinical trials are showing promise with certain hearing loss etiologies (i.e., noise induced hearing loss). Several off-label drugs are also being used for hearing loss/tinnitus management (i.e. valium, an antidepressant drug, has been used with limited success with tinnitus patients).

Unfortunately, the FDA loosely monitors over-the-counter nutraceuticals (i.e., vitamin/dietary supplements) and classifies them as 'food.' This means that efficacy and safety do not have to be demonstrated using the scientific guidelines for evidence-based clinical research that must be followed for a pharmaceutical.

There are over 80 products available in stores and online that offer tinnitus relief and, in some cases, purports a cure. Because the FDA loosely monitors dietary supplements, these claims can be made with minimum stipulations. The FDA has not approved any OTC products for tinnitus.

Management strategies differ greatly with pharmaceutical and nutraceuticals. Therefore, it is incumbent upon the audiologist to ask the appropriate drug and OTC questions while taking a case history in order to develop a management strategy appropriate for the patient and know where to find useful information about these products.

This program will address the aforementioned issues and offer effective management strategies for your patient.

SESSION ABSTRACTS CONT'D.

FRIDAY, SEPTEMBER 8, 2017

8:30am – 10:00am

The Transformative Power of a Hearing Healthcare Visit

Michael Harvey, Ph.D., A.B.P.P.

This presentation will describe how a visit to a hearing healthcare provider can result in a profound psychological transformation for a patient when identified with hearing loss and the need for hearing aids or other interventions. The unique context of the visit promotes the necessary mix of self-disclosure and trust for emotional healing and success in managing their hearing loss with hearing aids. A patient's resiliency is directly attributable to later recalling positive impressions of the provider. The context of the visit also fulfills a vital human need for a significant other to bear witness to our story; it serves as an "emotionally corrective" experience, and it provides an invaluable window of opportunity for patients to further their existential growth. The psychological benefits of patient contact for audiologists and hearing aid dispensers themselves will also be addressed.

10:15am – 11:45am

Children with Autism who are Deaf or Hard of Hearing and Children with Auditory Neuropathy/Dyssynchrony

Christie Yoshinaga-Itano, Ph.D.

This presentation will present information about the prevalence of autism among children who are deaf or hard of hearing, understanding the rates of ASD in Deaf and Hard of Hearing children and the general population. Information about atypical development in children with the dual diagnosis and explanation of the "red flags" as a screen for referral for ASD. Information about the need to adapt diagnostic tools for the identification of autism among children who are deaf or hard of hearing will be discussed. In addition, intervention strategies and their relationship to children who are deaf or hard of hearing will be included.

This presentation will discuss the characteristics of children between the ages of birth and three years of age who have been identified with auditory neuropathy/auditory dyssynchrony and information about prevalence. Characteristics of children born in the well-baby nursery and those who have spent time in the newborn intensive care unit will be discussed. The presentation will include information about the developmental outcomes of children with this disorder. Intervention strategies will be discussed including amplification technology and early intervention services.

1:15pm – 2:45pm

Legislative Session

Barry Brokaw, M.A.

This session is designed to educate audiologists regarding the legislative process, including the importance of the PAC and meeting legislators. Participants will be updated with regard to the current legislative issues pertinent to the profession, as well as promote a better understanding of changes and procedures to and for the licensing board for the current and coming year.

SESSION ABSTRACTS CONT'D.

FRIDAY, SEPTEMBER 8, 2017, cont'd.

2:45pm – 3:45pm

Staying Competitive In Today's Market: Aural Rehabilitation With Customized Hearing Healthcare

Nancy Tye-Murray, Ph.D.

Market forces are challenging current hearing healthcare delivery models. There is price competition for hearing aids; for example, audiologists and hearing aid dispensers in private practice are being undercut by the likes of Costco and Sam's Club. Hearing healthcare providers recognize a need to differentiate their care with definitive services in addition to dispensing hearing aids. It is well-known that success and satisfaction with hearing aids go beyond the instruments themselves and can be enhanced with adjunct strategies. Auditory brain training is a new and valuable service that can be added to the hearing treatment plan provided by the professional hearing healthcare provider. It is particularly timely because research from Johns Hopkins shows that untreated hearing loss is correlated with cognitive decline. In this presentation, a philosophy of patient-centered hearing healthcare will be outlined to make the argument that not only is this the best approach for providing quality hearing healthcare quality care to patients, but it is a perspective that is critical if providers are to remain competitive with market forces and better serve their patients. Data supporting the efficacy of auditory brain training will then be reviewed. Finally, a model of clinical practice based on this hearing-healthcare orientation will be showcased. Although the example will be centered on auditory brain training, it is amenable to incorporating a range of other aural rehabilitation interventions, including traditional auditory training programs, counselling, communication strategies training, and psychosocial support.

4:00pm – 5:30pm

Updates in Clinical Electrophysiology: Diagnosis, Auditory Training, and Amplification

Sam Atcherson, Ph.D.

This presentation will review a wide variety of topics for participants to update their knowledge and skills in clinical electrophysiology. Specifically, there are some novel diagnostic approaches worth considering, including underutilized evoked potentials that examine efficacy of auditory training for individuals with auditory processing disorder and uses of evoked potentials for the fitting of hearing aids. All hearing healthcare professionals involved in the fitting of hearing aids and other rehabilitative services should have a basic understanding of novel techniques, whether utilizing such techniques themselves or providing follow-up or referral services for such patients. Those with limited knowledge of, or skills in, electrophysiology will benefit from the seeing the breadth of techniques available and may anticipate learning more beyond the scope of the presentation.

SESSION ABSTRACTS CONT'D.

SATURDAY, SEPTEMBER 9, 2017

8:30am – 9:30am (STUDENT RESEARCH FORUM)

Self-Adjusted Amplification By Experienced Hearing Aid Users

Alexandra Lithgow

Research Question: When given the opportunity for self-adjustment of the amplitude and spectrum of amplified speech, do experienced hearing-aid users match the familiar characteristics of their existing aids? Thirteen experienced hearing aid users adjusted overall level, low-frequency cut, and high-frequency boost while listening to pre-processed sentences. They were then given a speech-perception test under the self-selected condition; the process was repeated. Self-selected real ear outputs were computed at half octave intervals. The results were compared with real-ear measurements using their existing hearing aids, and both were compared with threshold-based NAL-NL2 prescriptions. The first and second self-adjustments produced outputs equal to or higher than those of their own aids from 350 through 8000 Hz. From 2 through 4 kHz the output from first adjustment matched that of their own aid whereas the output from second adjustment matched that of the prescription. The findings support the conclusion that participants' initial adjustment was influenced by familiarity with their own aids. The experience of taking the speech perception test, however, may have moved them closer to seeking optimal audibility of the higher speech frequencies. Involving patients in the self-adjustment process may free up audiologist time in follow up and management of hearing loss.

8:30am – 9:30am (STUDENT RESEARCH FORUM)

Speech-Evoked Complex Auditory Brain Response (cABR) and Frequency Following Response (FFR) in the Neonatal Intensive Care Unit (NICU)

Esther Pugh & Melanie Rosenblatt

Abnormal development of the auditory system can have a profound effect on hearing and language outcomes. However, the incidence, severity and time course of central auditory system abnormalities in at-risk infants is not known. While the Automatic Auditory Brainstem Response (AABR), the current "gold standard" for universal hearing screening, is routinely used in neonatal intensive care units (NICUs) and used to assess peripheral auditory function, it is not designed to detect central auditory processing abnormalities. Potentially more useful measures are the Frequency Following Response (FFR), which are similar in protocol to AABR, but use speech stimuli that can capture more subtle aspects of central auditory system neuromaturation or injury. To determine neurological changes associated with infant health, we recorded FFRs to speech syllable /da/ and an /i/ syllable with a falling pitch contour in the NICU. Results showed that infants had significantly stronger onset responses and more robust FFR encoding closer to their release date, compared to earlier in their NICU stay. Lower bilirubin binding levels were associated with more robust frequency following. The outcomes of this study may help identify the severity of covert neurodevelopmental deficits during early infancy that are amenable to early intervention.

SESSION ABSTRACTS CONT'D.

SATURDAY, SEPTEMBER 9, 2017, cont'd.

8:30am – 9:30am (STUDENT RESEARCH FORUM)

The Role of Complex ABR In Diagnosing Auditory Processing Disorders

Mateel Musallam

There is considerable interest in the use of evoked potentials in the evaluation of Central auditory processing deficits. Brainstem evoked potentials represent neural encoding that is not impacted by attention or language ability. The paper will address the role of complex ABR in assessing the integrity of the auditory system in individuals with Central auditory processing deficits. Data on performance metrics on tests of CAPD and performance by individuals on cABR will be presented. Discussion will involve the clinical utility of the complex ABR in the test battery for central auditory processing disorders.

9:30am – 10:30am

Improving Patient Satisfaction and Loyalty through Real-Ear Measures

Amyl Amlani, Ph.D.

It is well-known by audiologists and hearing aid dispensers that real-ear measurements (REMs) are integral to accurate hearing aid fittings. In this presentation, we assessed the influence of REM on patient satisfaction, adoption and loyalty. Findings revealed that REMs improved, compared to a hearing aid quick-fit protocol, (1) patient psychology toward hearing services and amplification technology, and (2) the amount of aided audibility received by the listener, resulting in improved speech perception in noise. Together, these findings indicate that REM (1) should be employed as the standard of care during the provision of amplification, and (2) has the ability to enhance patient satisfaction and benefit from amplification.

10:45am – 11:45am

Vestibular Rehabilitation: What Every Audiologist Should Know

Diron Cassidy, P.T., M.P.T., G.C.S.

With approximately 10,000 Baby Boomers in the US turning 65 every day, age-related health conditions, including loss of balance and dizziness, are expected to increase exponentially over the next 20-30 years. Statistics indicate approximately 80% of people aged 65 years and older have experienced dizziness and BPPV causes nearly 50% of dizziness in the elderly.

Yet, there is a lack of knowledge about vestibular rehabilitation within the medical community and a lack of qualified resources. People are being sent home from the ER with medication, instead of treatment; they are often seen by multiple providers before receiving a proper diagnosis. In this session, audiologists will learn how to identify vestibular issues in their patients and assess who is appropriate for rehabilitation.

11:45am – 12:45pm

Incorporating CAPD In Private Practice: What You Need To Know To Get Started.

Rupa Balachandran, Ph.D. & Shahrzad Cohen, Au.D.

There is a growing interest in the clinical evaluation of Central Auditory Processing by clinicians. Emerging research in the area of auditory processing and the impact of auditory based learning issues have increased the demand for assessments. Computer based auditory-training programs also enable audiologists to continue working with their patients to help improve their listening abilities. Knowledge of Coding, insurance billing and reimbursement

SESSION ABSTRACTS CONT'D.

are considered the greatest barriers to providing assessments. This talk will cover the basics of auditory processing test batteries, computer based auditory training programs and office set, coding and billing for services.

1:30pm – 4:30pm (BREAKOUT 1)

Precepting: Easier Than You Think – Forum To Demystify And Voice Concerns

Jonette Owen, Au.D. & Jacque Georgeson, Au.D.

Since our beginnings, supervised clinical training has been a core requirement of the profession. With the degree transition process, there is a preceptor gap and with the demographic changes underway there is a graduation gap. Thus, we have an eminent problem in clinical education, a shortage of preceptors, which if not addressed today will deliver a devastating blow to the profession.

This presentation covers the qualifications to be a preceptor, debunking myths, practice types needed, the benefits of precepting, and the responsibilities of training programs to support preceptors.

The desired outcome is to combat the current and growing preceptor shortage.

Every Au.D student must complete “real world” clinical experiences to develop their clinical skills and fine tune their differential diagnostic abilities. Clinical experiences with community based audiologists outside the university setting provide the ground work for the transition from the protected educational environment to the very real world of private practice.

Participation serving as a preceptor is critical in the off-campus precepting process as it allows opportunities to access and influence the Au.D student, not only in clinical skills but in the professional socialization process, including professional and, often times, personal values.

1:30pm – 4:30pm (BREAKOUT 2)

Teleaudiology for Audiologists and Hearing Aid Dispensers

Bopanna Ballachanda, Ph.D.

Additional Presenters:

Andrea Bourne, Au.D.

Kent Collins, Au.D.

Carol Meyers, Au.D.

Joshua Nitenson, Au.D.

Telehealth is the delivery of health-related services and information via telecommunications technologies. It is invaluable in providing diagnostic and hearing aid dispensing services in hearing healthcare when patients are faced with access barriers, such as travel distance and shortage of appropriate providers. In 2011, Governor Jerry Brown signed California AB 415, “The Telehealth Advancement Act of 2011,” to make it easier for healthcare providers to use telehealth in the treatment of patients, especially in underserved areas of the state.

In this panel presentation and interaction, telehealth programs from the perspectives of hearing device manufacturers, audiologists/dispensers, private practice, universities, and the federal government will be presented by professionals with successful experiences in Telehealth Audiology/Dispensing and how telecommunications can assist audiologists and hearing aid dispensers in their own working environments.

SPEAKER BIOS



Aamyn M. Amlani, Ph.D.

Improving Patient Satisfaction and Loyalty through Real-Ear Measures

Aamyn M. Amlani, PhD, is Professor and Chairperson, Department of Audiology and Speech Pathology, in the consortium program between the University of Arkansas for Medical Sciences (UAMS) and the University of Arkansas at Little Rock (UALR). Dr. Amlani holds the B.A. degree in Communication Disorders from the University of the Pacific, the M.S. degree in Audiology from Purdue University, and the Ph.D. degree in Audiology/Psychoacoustics from Michigan State University. His research interests include: (1) economic and marketing trends within audiology, (2) the influence of hearing aid technology on speech and music, (3) hearing conservation for musicians, and (4) room acoustics.



Samuel R. Atcherson, Ph.D.

Updates in Clinical Electrophysiology: Diagnosis, Auditory Training, and Amplification

Samuel R. Atcherson, Ph.D. is currently Professor and Director of Audiology at the University of Arkansas at Little Rock /University of Arkansas for Medical Sciences. He has given over 160 conference or workshop presentations and sat on panels on a wide variety of topics related to electrophysiology, hearing assistive technology, auditory processing disorders, (re)habilitation, aging and hearing loss, and health literacy. He is author of over 100 peer and non-peer-reviewed articles, 10 book chapters, and three books.



Kristina Backer, Ph.D.

Neurophysiological Effects of Hearing Loss and Hearing Aid Usage on Perceptual and Cognitive Processing in Older Adults

Kristina Backer received her Ph.D. in Psychology from the University of Toronto. She then completed a postdoctoral fellowship with Dr. Kelly Tremblay at the University of Washington. At UW, she studied how hearing loss and hearing aid usage affects neural activity in older adults. Currently, she is a postdoctoral scholar at UC Davis working with Dr. David Corina on a project examining perceptual and language development in children with cochlear implants.



Bopanna B. Ballachanda, Ph.D.

Breakout Session 2 (Telehealth for Audiologists and Hearing Aid Dispensers)

Dr. Bopanna Ballachanda, will be sharing his successes learned from his multiple years of experiences working in many of his clinics in Arizona, New Mexico, and Texas. He was instrumental in establishing a diagnostic and dispensing practice using teleaudiology to reach patients in rural areas as well as supplementing clinical activities in a busy clinic. This presentation will include the rationale for establishing a teleaudiology program using ten (ten) critical steps (Article published in Hearing Review Jan 2017) as well as identifying the equipment requirements and training critical personnel. The session will address licensure, coding and reimbursement, and HIPAA issues. Helpful tips to creating a successful telepractice in audiology and become successful. These key performance indicators are foundational for the success of a practice/facility.



Rupa Balachandran, Ph.D.

Incorporating CAPD in Private Practice: What You Need to Know to Get Started

Dr. Rupa Balachandran is the Program Director of the Doctor of Audiology program at the University of the Pacific. She obtained her PhD in Speech and Hearing Sciences from the Graduate school of the City University of New York. She is a licensed Dispensing Audiologist in the State of California. Her current research involved objective measures of auditory functioning and evidence based therapy for central auditory processing disorders. She is a Past-President of the California Academy of Audiology.

SPEAKER BIOS CONT'D.



Douglas L. Beck Au.D.

Issues in Tinnitus: 2017

Dr. Beck earned his master's degree at the University of Buffalo (1984) and his doctorate from the University of Florida. His professional career began in Los Angeles at the House Ear Institute in cochlear implant research and intraoperative cranial nerve monitoring. By 1988, he was Director of Audiology at Saint Louis University. Dr. Beck joined Oticon in 2005 as Director of Professional Relations. From 2008 through 2015, Beck also served as Web Content Editor for the American Academy of Audiology. In 2016, Beck was appointed Senior Editor for Clinical Research at the Hearing Review and was promoted to Director of Academic Sciences at Oticon Inc. Dr. Beck is among the most prolific authors in audiology with 160 published articles and more than 1200 abstracts, interviews and op-eds written for the AAA (2008-2015) and Audiology Online (1999-2005) addressing a wide variety of audiology and professional topics.



Andrea L. Bourne, Au.D.

Breakout Session 2 (Telehealth for Audiologists and Hearing Aid Dispensers)

Dr. Andrea Bourne is the Chief of the Rehabilitation Service at the San Francisco VA Health Care System. Andrea became interested in Tele-Audiology after attending a local VA Telehealth workshop in 2011. She worked with her facility to secure funding for three rural health programs. In 2013, Andrea championed a dedicated team of Audiologists, Health Technicians, and clerical staff who implemented successful Tele-Audiology programs that are serving hundreds of veterans across rural northern California and Honolulu Hawaii.



Barry Brokaw, Sacramento Advocates

Legislative Session

Barry Brokaw and his firm, Sacramento Advocates, Inc. have represented the California Academy of Audiology (CAA) at the State Capitol since 1996. Working together, Barry Brokaw and CAA have successfully expanded the scope of practice for audiologists to include cerumen management; elevated the practice act to require a doctoral degree for state licensure; worked to successfully eliminate the independent Hearing Aid Dispensers Board and the Hearing Aid Dispensers Committee, creating instead the Speech Language Pathology, Audiology and Hearing Aid Dispensers Board; and allowed audiologists to dispense hearing aids as part of a sole license. Barry and his firm have stopped several bills that would have blurred the lines between audiologists and hearing aid dispensers that would have otherwise impacted an audiologist's scope of practice. He has fought hard for CAA to minimize proposed Medi-Cal reimbursement rates and to restore past cuts.



Diron Cassidy, PT, MPT, GCS

Vestibular Rehabilitation: What Every Audiologist Should Know

Diron Cassidy has 15 years of experience working with vestibular and geriatric patients. He owns Vortex Physical Therapy and Balance, an outpatient clinic in San Jose specializing in vestibular and balance rehabilitation. He completed the APTA competency course on vestibular rehabilitation in 2006 and takes regular courses on advancements in vestibular and balance rehabilitation. Diron received his Geriatric Specialist certification in 2015 and is active in the APTA at the local and state level.



Jackie L. Clark, PhD

A Clinical Conundrum: Hearing "Impairment" in the Presence of Normal Pure Tones

Dr. Jackie Clark joined the Doctor of Audiology Program faculty in 1997, and is currently Clinical Professor UT Dallas' School of Brain & Behavior Sciences. In addition she has been awarded an appointment as Research Scholar with The University of The Witwatersrand, School of Speech and Hearing Therapy in Johannesburg, South Africa. When in Texas, she carries a full teaching load and active clinical caseload involving pediatric assessment and remediation as well as adult. Dr. Clark is currently the President-Elect of the American Academy of Audiology.

SPEAKER BIOS CONT'D.



Shahrzad Cohen, Au.D.

Incorporating CAPD in Private Practice: What You Need to Know to Get Started

Dr. Shahrzad Cohen is the clinical director of Auditory Processing Centers- APC, a multidisciplinary private practice. She obtained her Master of Science degree in Communication Disorders- Audiology in 2001 from CSUN, and Doctor of Audiology degree from University of Florida. She is the membership chair of California Academy of Audiology (CAA). She is the advisory board member of California Speech and Hearing Association (CSHA)- District 7, and serves on the editorial committee of the CSHA magazine.



Kent Collins, Au.D., CCC-A, FAAA

Breakout Session 2 (Telehealth for Audiologists and Hearing Aid Dispensers)

Kent Collins is the Director of TeleHearing for the All American Hearing Network. He is a Fellow of the American Academy of Audiology and holds a Certificate of Clinical Competence from the American Speech-Language and Hearing Association. He is a licensed audiologist in all 50 states and holds several hearing instrument dispensing licenses. Dr. Collins earned his Bachelor of Science degree in Communicative Disorders from the University of Wisconsin, Stevens Point, followed by his Master of Science in Audiology from Purdue University in West Lafayette, Indiana. He completed his education at Salus University in Elkins Park, Pennsylvania, where he earned his Doctor of Audiology degree. Dr. Collins specializes in adult diagnostic and rehabilitative audiology. His expertise includes hearing instrument selection and fitting, aural rehabilitation, and counseling. Before joining the All American Hearing Network, Dr. Collins practiced at a large ear, nose, and throat (ENT) clinic and was Regional Sales Manager for a leading hearing aid manufacturer where he provided professional training and technical support.

He has served as the President of the Minnesota Academy of Audiology and also sat on the Board of Directors while chairing the Nominations and Elections Committee. Throughout his educational career, Dr. Collins consistently was on the Dean's list for academic achievement and was honored to be chosen for the Phi Kappa Phi National Honor Society.



Robert M. DiSogra, Au.D.

Pharmaceuticals and Nutraceuticals for Hearing Loss and Tinnitus

Robert M. DiSogra, AuD, is an independent audiology consultant in Millstone Township, NJ. He was in private practice for 30 years until 2015.

Dr. DiSogra developed and taught the Pharmacology/Ototoxicity distance learning course at Salus University for five years and is an adjunct lecturer at Salus.

Dr. DiSogra was the 2016 recipient of the Dr. Joel Wernick Award for his "educational contributions within the fields of audiology and hearing science" from the Academy of Doctors of Audiology. He was the 2013 Alumnus of the Year from Salus University and currently serves as Chairperson of the Osborne College of Audiology Advisory Board at Salus.



Jacquelyn Georgeson, Au.D.

Breakout Session 1 (Precepting):

Precepting: Easier Than You Think—Forum to Demystify and Voice Concerns

Jacquelyn Georgeson, Au.D. is the Director of Clinical Education & Training for the University of the Pacific AuD Program where responsibilities involve organizing the clinical sites, rotations and preceptors. She is a Past-President of the California Academy of Audiology and currently serves on the Board as the Academic Program Liaison. Additional activities include secretary for the Council of AuD Programs and participation on the ASHA Workgroup for AuD Education regarding student readiness.

SPEAKER BIOS CONT'D.



Michael Harvey, Ph.D., A.B.P.P.

The Transformative Power of a Hearing Healthcare Visit

Dr. Harvey provides consultation on psychosocial aspects of hearing loss, including consultation for audiologists regarding motivational interviewing and the psychological aspects of patient care. As a Clinical Psychologist, he has a private practice in Framingham, Mass. and was a consultant faculty at Salus University. He has published over 50 articles in the field and his latest books are *Listen with the Heart: Relationships and Hearing Loss* and *The Odyssey of Hearing Loss: Tales of Triumph*.



Alexandra Lithgow (Faculty Mentor: Carol Mackersie, Ph.D.)

Student Research Forum: Self-Adjusted Amplification by Experienced Hearing Aid Users

Alexandra Lithgow is currently a third year student in the San Diego State University/University of California, San Diego Doctor of Audiology program. She received her bachelor's degree in Communicative Disorders from California State University, Fullerton, graduating summa cum laude.



Carol Meyers, Au.D.

Breakout Session 2 (Telehealth for Audiologists and Hearing Aid Dispensers): Welcome to the Future. Here and Now...with TeleCare

Dr. Carol Meyers is an Educational Specialist for Signia. She is responsible for the training and education of staff and hearing care professionals in the U.S. on the company's products, technology, software, services, and audiology-related topics at industry events, face-to-face meetings, in publications, and through virtual courses. She is responsible for the planning and execution of online courses, including The Expert Series, which reaches a growing number of hearing care professionals each year. Prior to joining Signia (then Siemens Hearing Instruments) in 2007, Dr. Meyers dedicated more than 25 years to clinical practice, during which she attained a comprehensive understanding of diagnostics, hearing aid technology, and how to address the communication needs of individuals. Dr. Meyers holds a doctorate degree in Audiology from Arizona School of Health Sciences and graduate and undergraduate degrees from the University of Nebraska.



Mateel Musallam, M.S.

Student Research Forum: The Role of Complex ABR in Diagnosing Auditory Processing Disorders

Mateel Musallam is currently in the Doctor of Audiology program at University of the Pacific. She has a clinical audiology degree from Israel, and a master's degree in neuroscience. She is an experienced private practice audiologist and is very interested in the neural encoding of auditory information.



Joshua Nitenson, Au.D.

Breakout Session 2 (Telehealth for Audiologists and Hearing Aid Dispensers)

Joshua Nitenson, Au.D., is currently a diagnostic and cochlear implant audiologist at Kaiser South Sacramento seeing both adults and pediatrics. Prior to his practice at Kaiser he completed his externship at UC Davis Medical Center. He obtained his clinical doctorate from the University of Massachusetts at Amherst, and his undergraduate degree in Speech Pathology and Audiology locally from California State University, Sacramento. He also enjoyed being his 4 year olds pee-wee soccer coach this year.



Jonette B. Owen, Au.D.

Assistant Dean Practice & Assessment of Audiologic Medicine at Salus University

Breakout Session 1 (Precepting):

Precepting: Easier Than You Think—Forum to Demystify and Voice Concerns

Dr. Owen's experience is multifaceted, having served in clinical and academic settings, including substantial experience precepting. Dr. Owen obtained her Au.D. from Salus University. Dr. Owen is the Chair of the Pennsylvania State Board of Examiners in Speech-Language and Hearing. Dr. Owen is a member of the National Academies of Practice as a Distinguished Practitioner and Fellow and a member of the Audiology Honor Society.

SPEAKER BIOS CONT'D.



Catherine Palmer, Ph.D.

The Current Evidence Base in Hearing Aid Fittings—Where Is It Leading Us?

Dr. Palmer is an Associate Professor in the Department of Communication Science and Disorders in the School of Health and Rehabilitation Sciences and an Associate Professor in the Department of Otolaryngology in the School of Medicine at the University of Pittsburgh. She serves as the Director of Audiology for the UPMC Health System which includes the adult and pediatric divisions. Dr. Palmer sees patients, teaches AuD students and mentors PhD students.



Esther Pugh

Student Research Forum: Speech-Evoked Complex Auditory Brain Response (cABR) and Frequency Following Response (FFR) in the Neonatal Intensive Care Unit (NICU)

Esther Pugh is a second-year audiology student at the University of the Pacific in San Francisco. After obtaining her Bachelor of Arts in Communication Disorders from California State University of Northridge, Esther went on to work for several years in a private practice as an audiology assistant, and then as a hearing aid dispenser. She is currently rotating through internship placements and working in the Auditory Electrophysiology Lab at UoP as a research assistant.



Marcia Raggio, Ph.D., CAA Legislative Liaison

Legislative Session

Dr. Raggio serves as the CAA Legislative Liaison, and is a Professor of Audiology at San Francisco State University. She earned her BA and MS degrees from the Communicative Disorders Program at San Francisco State University. She earned her PhD in Auditory Neuroscience from the University of California, San Francisco. Her primary area of research is in the cortical representation of peripheral electrical stimulation provided by cochlear implants. Dr. Raggio served as a member and chair of the California state licensing board for audiologists and speech-language pathologists (SLPAB) for five years, appointed by Governor Gray Davis, and served under Governor Arnold Schwarzenegger. She was recently re-appointed to the licensing board (SLPAHADB) by Governor Jerry Brown. She has published numerous research articles, and has given many presentations at the state, national, and international levels. She currently serves on the Government Relations Committee of the American Academy of Audiology.



Melanie Rosenblatt

Student Research Forum: Speech-evoked Complex Auditory Brain Response (cABR) and Frequency Following Response (FFR) in the Neonatal Intensive Care Unit (NICU)

Melanie Rosenblatt is a second-year audiology student at the University of the Pacific in San Francisco. She holds a Bachelor's of Arts in Architectural Studies and a Bachelor's of Fine Arts in Theatre Design from Boston University. In addition to working on several projects in the Auditory Electrophysiology Lab at UoP, Melanie is rotating through clinical internships in the Bay Area, and is vice president of Student Academy of Audiology, University of the Pacific chapter.



Paul Sanchez, Executive Officer OF SPLHADB

Legislative Session

Paul Sanchez was appointed Executive Officer by the Speech-Language Pathology and Audiology and Hearing Aid Dispensers Board in June 2014. Throughout his career, Paul has served in various management roles in State government. Prior to coming to the Board, Paul helped guide the Veterinary Medical Board through an organizational assessment and restructure of its licensing, enforcement, and hospital inspection programs. Paul also worked for CalSTRS for over 12 years where he was responsible for outreach and also led major IT projects that enhanced member education through web services, personal counseling, and group workshops.

SPEAKER BIOS CONT'D.

As the Executive Officer of the Board, Paul leads an organization whose mission is to protect consumers through the development of professional standards. The Board's oversight includes promulgation of regulations, legislation and the enforcement of the Practice Act. The Board licenses over 20,000 speech-language pathologists, audiologists and hearing aid dispensers.



Nancy Tye-Murray, Ph.D.

Staying Competitive in Today's Market:

Aural Rehabilitation with Customized Hearing Healthcare

Nancy Tye-Murray is a Professor in the Department of Otolaryngology at Washington University School of Medicine. She has received over 30 years of funding from the National Institutes of Health and is the author of *Foundations of Aural Rehabilitation: Children, Adults, and Their Family Members*. She is the CEO of cLEAR (clearworks4ears.com), which provides customized auditory brain training to people with hearing loss and offers a clinical tool for audiologists to provide customized hearing healthcare.



Amy White, Au.D.

Legislative Session

Dr. White earned her Bachelor's of Science Degree at California State University Sacramento and her doctoral degree in Audiology from Utah State University in Logan, UT. She and her husband own Elk Grove Hearing Care, a private practice located just outside of Sacramento that provides diagnostic services, aural rehabilitation, amplification and assistive device options, cochlear implant mapping and tinnitus treatment for adults as well as auditory processing evaluations for children. She is a Fellow of both the American Academy of Audiology and a member of the American Speech-Language-Hearing Association. Dr. White also serves on the Board of Directors for the California Academy of Audiology.



Christine Yoshinaga-Itano, Ph.D.

Children with Autism who are Deaf or Hard of Hearing and Children with Auditory Neuropathy/Dyssynchrony

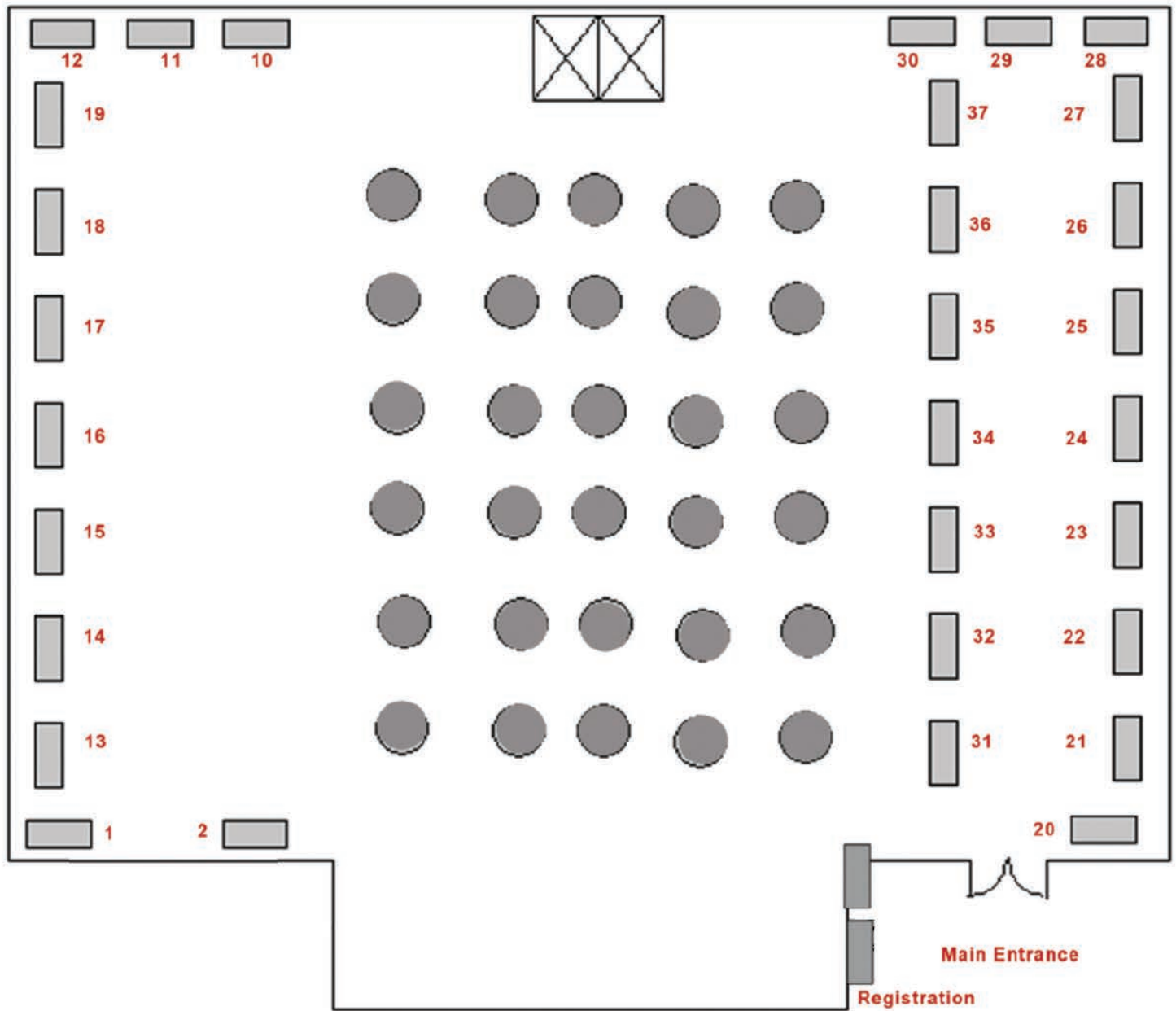
Dr. Christine Yoshinaga-Itano is a Professor Emerita of the Department of Speech, Language & Hearing Sciences and is currently a Research Professor, in the Institute of Cognitive Science, Center for Neurosciences at the University of Colorado, Boulder, adjunct faculty in the Department of Otolaryngology and Audiology at the University of Colorado, Denver and the Board member of the Marion Downs Center. She developed the Marion Downs Center in 1996 and received funding from the National Institutes of Health, Centers for Disease Control, Maternal & Child Health, the Office of Special Education, and the Office of Education since the early 1980s. Dr. Yoshinaga-Itano has assisted state departments of public health and education, schools for the deaf, and early intervention programs throughout the United States and its territories. In addition, she has served as a consultant for many countries who have developed early hearing detection and intervention programs. She was the recipient of the 2016 AG Bell Association Volta Award, 2015 Fred Berg, Educational Audiology Career Awards, 2015 Colorado Academy of Audiology Lifetime Career Award, 2013 Academy of Audiology(AAA) Jerger Career Award for Research in Audiology, the 2001 AAA Research Achievement Award, the 2010 Robert Ruben Award for Research from the Society for Ear Nose and Throat Advances for Children, the 2014 Antonio Brancia Maxon Award for EHDI Excellence and the 2010 Council for Exceptional Children, Division of Communicative Disabilities and Deafness Award.

LIST OF EXHIBITORS

COMPANY	TABLE NO.
Advanced Bionics	26
American Hearing Aid Associates	31
AudBase	28
Audigy Group	18
Boonfi	37
CaptionCall	20
Cochlear Americas	11
Connect Hearing	27
E3 Diagnostics dba Audiometrics	34,35
Ear Q Group	13
Elite Hearing Network	15
Fuel Medical Group	23
GN ReSound	1
Kaiser Permanente	22
Med-El	17
Microsonic, Inc.	16
Oticon	32,33
Oticon Medical	36
Phonak	14
SIGNIA	24
Sprint CapTel	30
Starkey Hearing Technologies	12
Sutter Health	2
Sycle	10
Unitron	19
Warner Tech-Care Products	25
Widex USA	21

EXHIBITOR MAP

Grand Ballroom



NOTES

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