

CI2017 Pediatric:

15th Symposium on Cochlear Implants in Children

PROGRAM BOOK



CI2017
SAN FRANCISCO

ACI
ALLIANCE®
AMERICAN COCHLEAR
IMPLANT ALLIANCE

July 26-29, 2017

Organizers:
American Cochlear Implant Alliance
Stanford University School of Medicine
University of California San Francisco



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The ACI Alliance Board of Directors at their April 2017 retreat.

WELCOME FROM ACI ALLIANCE

Dear Friends and Colleagues,

Welcome to spectacular San Francisco and the 15th CI symposium focusing on children. Not to be overshadowed by the wonderful venue, the scientific program organizers have put together an event sure to result in a great exchange of ideas and knowledge building.

An enormous “thank you” to the University of California San Francisco and Stanford CI teams and their leaders Charles Limb MD and Nik Blevins MD for the effort put into conceiving the format and executing content for this important meeting.

The American Cochlear Implant Alliance is a young and rapidly growing non-profit organization whose mission is to improve access to cochlear implantation through advocacy, raising awareness and promoting research. While the highlight of each year is the annual CI meeting, during the remainder of the year there are many other activities including advocacy efforts in Washington and home through our State Champions, development of on-line resource materials, presentations at regional and national primary care and consumer organizations and sponsorship of needed research in collaboration with the CI companies and also the American Hearing Research Foundation. I am grateful for the volunteer time of so many individuals and the collaborative relationship with industry. Together we are making difference.

I hope you find this meeting to be intellectually stimulating, a time to meet new colleagues and catch up with old friends. Thank you for being a part of this dynamic conference.

Sincerely,
Colin Driscoll, MD
Chair, ACI Alliance Board of Directors



Nikolas Blevins, MD



Charles Limb, MD

WELCOME FROM THE UNIVERSITY OF CALIFORNIA SAN FRANCISCO AND STANFORD UNIVERSITY

On behalf of the Organizing Committee from Stanford University and UCSF, we would like to welcome you to San Francisco for the 15th Symposium on Cochlear Implants in Children. It is a great honor for us to bring our universities together in this collaborative effort. Together with the American Cochlear Implant Alliance, we are excited to offer a diverse program that reflects the interests and backgrounds of our professional community. We are excited to have you join us as we gather with colleagues and friends from around the globe here in the San Francisco Bay Area.

This year, we are honored that Dr. Bruce Gantz will deliver the inaugural John Niparko Memorial Lecture. This lectureship is

dedicated to advancing the enduring contribution of our friend, colleague, and leader, John Niparko. We are proud to initiate this tradition to help us strive together to further his goal of improving the lives of children affected by hearing loss.

We are deeply grateful to our Scientific Program Committee Members, who worked to select the presentations at the heart of this meeting. We have endeavored to examine six broad themes related to implantable hearing technology in children. These include how we can improve music perception, technological innovation, language acquisition, hearing outcomes, new indications, and delivery of care.

We would also like to thank our Keynote Speakers, Drs. Michael Merzenich, Monita Chatterjee, Charles Della Santina, and Anne Fernald. All are preeminent leaders in their fields who continue to shape our basic understanding of hearing loss, cognition, and technology. We also gratefully acknowledge the contribution of our panelists and moderators who will be providing interactive sessions to explore the critical challenges and opportunities we currently face.

We would like to express our gratitude to our corporate sponsors for their generous support. Please join us in thanking our partners Advanced Bionics, Cochlear Corporation, and MED-EL for their support in this educational program.

Please enjoy the meeting and the many opportunities that make the San Francisco Bay Area a world-class destination.

Scientific Co-Chairs
Nikolas Blevins MD and Charles Limb MD

About the ACI Alliance

The American Cochlear Implant Alliance is a not-for-profit membership organization created with the purpose of eliminating barriers to cochlear implantation. The ACI Alliance membership spans scientists and clinicians from across the cochlear implant continuum of care including otolaryngologists, audiologists, educators, speech pathologists, psychologists, and others in cochlear implant teams. Parents of children with cochlear implants, adult recipients, and other advocates for access to care are also active members. Our initiatives include research, advocacy and awareness.

Now and going forward, ACI Alliance organizes clinical research meetings that in the past were convened by cochlear implant clinics and hospitals. Some of these conferences are collaborative ventures, such as this pediatric symposium with Stanford and UCSF, while others will be convened by the Alliance alone.



AMERICAN COCHLEAR IMPLANT ALLIANCE

Research, Advocacy, Awareness



For Twitter updates during the conference, follow @acialliance and be sure to use the hashtag **#CI2017SF**.



Scan the QR code to download the **CI2017 Mobile App!** Update notifications will also be sent to attendees who have downloaded the CI2017 Mobile App.

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Funding for this conference was made possible [in part] by **R13DC016225** from the National Institute on Deafness and Other Communication Disorders of the National Institutes of Health. The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services; nor does mention of trade names, commercial practices, or organizations imply endorsement by the U.S. Government.

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A WORD OF THANKS

ACI Alliance would like to gratefully acknowledge the following companies for supporting the CI2017 Pediatric Symposium with an Educational Grant:

**Advanced
Bionics**
**Cochlear
Americas**
MED-EL

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Co-Director, The Children's Cochlear Implant
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Ex Officio Board Member
Executive Director



ACI Alliance State Champions

The State Champion network was established in 2013 as one of the first programs implemented by the newly organized ACI Alliance as a means of harnessing the knowledge and energy of our members throughout the US, and applying this knowledge and energy to advocacy efforts. They represent the full continuum of cochlear implant clinical care and also include CI recipients and parents of children with cochlear implants. We are appreciative of their important contributions in advancing our mission.

ARKANSAS

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Arkansas Children's Hospital
Jordan King AuD, Audiologist,
Arkansas Children's Hospital

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Start Early Intervention Program
Laura McKirdy PhD, Trustee
and Co-Founder, The Lake Drive
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NEW MEXICO

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Adrian L. Taylor AuD, Audiologist,
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UTAH

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VERMONT

Alina Mills MS, Speech Language
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Center
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WASHINGTON

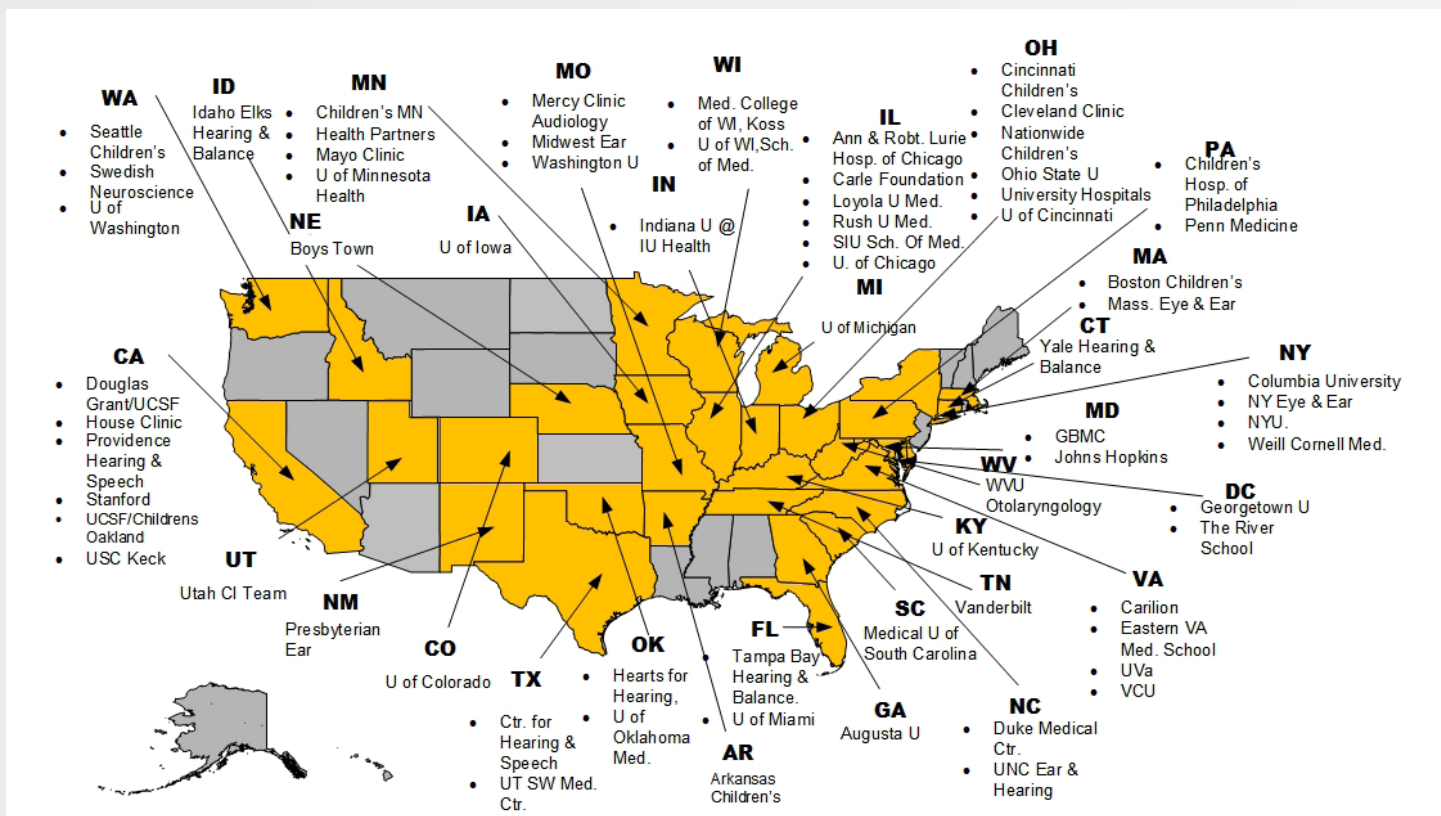
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Daniel Zeitler MD, Otologist/Neurotologist,
Virginia Mason Medical Center

WISCONSIN

Jamie Jensen AuD, Audiologist,
Koss Cochlear Implant Program

ACI Alliance Organizational Membership

We are grateful to the CI centers, clinics and schools that are supporting ACI Alliance and expanding access to CI care as Organizational Members. All staff at member institutions are considered part of the Organizational Membership and are part of the directory, and 10 individuals from each institution may attend the annual CI conference at the member rate. Member institutions are featured in "Find a CI Clinic" on the website. For a limited time, institutions with three or more individual professional members may convert to an organizational membership at a significant discount. Contact Susan Thomas stthomas@acialliance.org for details.



CI2017 Scholarship Awards

A Committee reviewed scholarship submissions and then selected recipients from a large group of worthy scholars. Those selected demonstrated a commitment to cochlear implant clinical care and research. It is our hope that these students will contribute importantly to our field. We were pleased that they are widely representative of the disciplines involved in cochlear implantation in children. Awardees include individuals in audiology, speech pathology, otolaryngology, nursing, psychology and neuroscience and represent universities from around the country.

Ashley Argrave, Louisiana State University Health Sciences, AuD

Molly Armstrong, Auburn University, AuD

Rachel Barr, Rush University, AuD

Jocelyn Caven, A.T. Still University, AuD

Lisa Copeland, University of North Carolina at Chapel Hill, AuD

Mishaela DiNino, University of Washington, PhD Neuroscience

Kyle Fletcher, University of Kentucky, Otolaryngology Resident

Julia Garrick, University of Cincinnati, AuD

Hannah Glick, University of Colorado, AuD and PhD in Speech and Hearing/
Cognitive Neuroscience

Courtney Bartz Harrell, University of Texas at Austin, PhD Nursing Practice

Michael Hoffman, University of Miami, PhD Psychology

Kelly Jahn, University of Washington, PhD Speech and Hearing Sciences

Nicole Jiam, Johns Hopkins University, 4th Year Medical Student

Rachael Jecewicz, University of Wisconsin – Madison, AuD

Emily Ogonosky, Texas Woman's University, MS in Speech Language Pathology

Julia (Shearer) Reid, University of North Carolina at Chapel Hill, AuD

Adam Schwalje, University of Iowa Hospitals and Clinics, Resident Otolaryngology

Katie Turek, Rush University, AuD

Kevin Wong, Boston University School of Medicine, 4th Year Medical Student

Scholarship Selection Committee

We are grateful to the Scholarship Committee for their service.

Sigrid Cerf, BA, CI recipient and advocate, McLean VA

Lisa Houston, AuD, CI Audiologist, University of Cincinnati Health

Roseanne Krauter, NP, Division of Otolaryngology, Neurotology, and Skull Base Surgery,
University of California San Francisco

Denise Thomas, AuD, Clinical Coordinator, CI Program, Ann & Robert H. Lurie
Children's Hospital of Chicago

Jeffrey Sharon, MD, Director of Balance and Falls Center, Division of Otolaryngology,
Neurotology, and Skull Base Surgery, University of California San Francisco

Melissa Sweeney, MS, CI Program Manager, The University of Texas at Dallas/
Callier Center for Communication Disorders

Continuing Education Committee

The CI2017 Continuing Education Committee reviewed the educational process and CEU materials to ensure that we met the high standard required to maintain provider status. Grateful thanks to the individuals who served.

CHAIR:

Holly Teagle AuD, University of North Carolina Ear and Hearing Center, NC

MEMBERS:

Becky Clem MA, LSLHS Cert. AVT, Cook Children's Medical Center, TX

Ashley Garber MS, LSLHS Cert. AVT, Listening and Language Connections, MI

Regina Presley AuD, CI Center, Greater Baltimore Medical Center, MD

General Conference Information

REGISTRATION LOCATION AND HOURS

Registration is located in the West Lounge, Ballroom Level at the Hilton San Francisco Union Square. Registration will be open for advance and onsite registrations, as well as any attendee issues during the following hours:

Wednesday, July 26: 10:00 AM – 7:00 PM

Thursday, July 27: 6:30 AM – 5:30 PM

Friday, July 28: 7:00 AM – 5:30 PM

Saturday, July 29: 7:00 AM – 2:00 PM

EDUCATIONAL SESSIONS AND POSTER PRESENTATIONS

All educational sessions will be held at the Hilton San Francisco. General Sessions will be held in Grand Ballroom B on the Grand Ballroom Level. Concurrent Sessions will be held in the following rooms:

Grand Ballroom B	Grand Ballroom Level
Continental 1-4	Ballroom Level
Continental 5-6	Ballroom Level

Poster abstracts will be on display in Grand Ballroom A from Thursday, July 27 – Saturday, July 29. Join ACI Alliance Members, colleagues, and friends for refreshments during the Poster Session, Thursday, July 27 from 4:15 – 5:30 PM. Please see page 27 for the complete poster listing.

INDUSTRY SUPPORT DISPLAYS

A commercial display of scientific interest will be available during the meeting, providing attendees with an opportunity to view products and services from various corporations. We invite you to visit our exhibitors in the Yosemite Room during the following hours:

Thursday, July 27: 8:30 AM – 7:00 PM

Friday, July 28: 8:30 AM – 3:00 PM

Refreshments will be served in Yosemite Room.

SATELLITE SYMPOSIA

The following Corporate Satellite Symposia are organized separately by each individual sponsor. The commercially supported symposia are independent of the scientific program of the 15th Symposium on Cochlear Implants in Children and are not accredited for CME. CEUs (AAA, ASHA, AG Bell) are provided for all Corporate Satellite Symposia.

SATELLITE SYMPOSIA SCHEDULE

WEDNESDAY, JULY 26

12:00 – 1:30 PM • MED-EL Satellite Symposium: Bridges to Hearing

2:00 – 3:30 PM • Cochlear Americas Satellite Symposium: Performance By Design

4:00 – 5:30 PM • Advanced Bionics Satellite Symposium: AB/Phonak Complete Solution
All events in Grand Ballroom Salon B

THURSDAY, JULY 27

Satellite Symposium – Advanced Bionics
The Simple Way to Hear More
Grand Ballroom Salon B
7:30 AM – 8:30 AM

FRIDAY, JULY 28

Satellite Symposium – Cochlear Americas
Next From Cochlear...
Grand Ballroom Salon B
7:30 AM – 8:30 AM

SATURDAY, JULY 29

Satellite Symposium – MED-EL
Hearing For Life
Grand Ballroom Salon B
7:30 AM – 8:30 AM

CAREER FAIR

The ACI Alliance Career Fair will be held on **Friday, July 28 from 5:30 – 7:00 PM in Union Square 23-24**. The Career Fair is an opportunity for you to interview with organizations looking to hire staff in the cochlear implant field. No prior appointment is necessary to interview. For additional details regarding position openings, please see the Announcements bulletin board located in the Poster Hall (Grand Ballroom A).

SPEAKER READY ROOM

Please note that a networked presentation management system is being used for this meeting, so it is essential that all presentations are received in the Speaker Ready Room **no later than 4 hours prior to the presentation**. Speakers who have already submitted presentations via the advance submission website are advised to please verify the integrity of their presentations in the Speaker Ready Room. It is imperative that presentations created on a Macintosh or that contain video be reviewed. The Speaker Ready Room is also available for editing previously submitted presentations.

The Speaker Ready Room is located in the Green Room on the Grand Ballroom Level of the Hilton San Francisco.

HOURS OF OPERATION:

Wednesday, July 26: 11:00 AM – 7:00 PM
Thursday, July 27: 6:30 AM – 5:30 PM
Friday, July 28: 7:00 AM – 5:30 PM
Saturday, July 29: 7:00 AM – 2:00 PM

MEALS

All meals/breaks included with your registration fee will be served in the exhibit hall. Additional seating is available in the Imperial and Franciscan Ballrooms.

Breakfast: A continental breakfast will be provided during the Sponsor Symposia on Thursday, Friday and Saturday mornings from 7:30 AM - 8:30 AM in Grand Ballroom B. Breakfast will be served beginning at 7:00 AM. You must pre-register with the Corporate Sponsor in order to attend. If you choose not to attend a Sponsor Symposium, breakfast will be on your own.

Lunch: Boxed lunches will be provided in the Exhibit Hall from 11:55 AM - 12:55 PM on Thursday and 12:15 – 1:15 PM on Friday. Lunch will not be provided on Saturday – please see the Dining Options in the back of this program book for a list of nearby options.

Dinner: On your own. A list of local restaurants has been provided in the back of this program book on **page 39**. The hotel concierge will also be able to recommend dining options. We will offer a light reception in the Poster Hall on Thursday from 5:30 PM - 7:00 PM.

IDENTIFICATION

Attendees should obtain their conference badge at the registration desk at the time of check-in. Please wear your conference badge at all times during the meeting as it will be required for admittance into conference functions. Please note that the Welcome Reception on Thursday, July 27 is a ticketed function and only open to registered attendees and guests.

STUDENT REGISTRATION

Students should provide a copy of a valid Student ID or verification letter. Fellows-in-Training and Residents should obtain a letter from their program director or chair verifying their educational status. Verification materials must be received by Registration Services before registration can be approved.

CERTIFICATES OF ATTENDANCE

Certificates of Attendance are available at the Continuing Education desk.

CELL PHONES AND TAPING

As a courtesy to your colleagues, please silence cell phones while in the scientific sessions.

No audio or videotaping is permitted in the scientific sessions, instructional courses, or exhibit areas.

ANNOUNCEMENTS

We are pleased to offer attendees the opportunity to post announcements on the designated poster board located in the Poster Hall (Grand Ballroom A).

Follow @acialliance on Twitter for updates and information about #CI2017SF.

WIRELESS INTERNET ACCESS

We are pleased to offer complimentary wireless internet for conference attendees in the meeting space. To access the wireless, use the network details below.

Network Name: **Hilton-Events**
Password: **CI2017**

CONFERENCE MOBILE APP

Stay up to date with everything happening at the CI2017 Meeting by downloading the CI2017 Mobile App! Downloading the app is easy! Search the Apple Store or Google Play for “ACI 2017” or scan the QR code at left.



AUDIENCE RESPONSE – POLL EVERYWHERE

Various Panel Sessions and Industry Satellite Symposia will utilize Audience Response technology to conduct interactive polling. You may access the Poll Everywhere system through a variety of methods.

Poll Everywhere Access Options:

1. Mobile App: Download the CI2017 Mobile App. Sessions utilizing polling technology will include a link on that particular Session page within the app. Click the link to join the session and participate.
2. Web: Access the poll at “PollEv.com/aci2017” on any web browser or in the Poll Everywhere Mobile App to join the session and participate.
3. SMS Text: Text “ACI2017” to “22333” join the session and participate. Standard messaging rates apply. *This phone number is for the US only; attendees with International cellular carriers should use the App or Web option to participate.*

LOST AND FOUND

Lost and found is located at the Registration Desk. After the meeting, any unclaimed items will be turned in to hotel security.

EMERGENCY INFORMATION

In case of an emergency, please locate a house phone and dial 6200 to be directly connected to security or dial 444 to reach 911. If the hotel receives an emergency phone call for an attendee or exhibitor, the hotel will direct the call to the attendee's guest room. If the attendee is not located in his or her guest room, the hotel will contact the headquarters office, and a message will be posted on the message board. The hotel will also inform the Hotel contact and ACS Conference Management.

BUSINESS CENTER

The Business Center is located on the lobby level of the hotel.

SHIPPING AND PACKAGES

All shipments received and shipped by the hotel will incur a standard per-piece handling charge based on weight.

HOURS OF OPERATION:

Weekdays: 6:30 AM – 7:00 PM

Weekends: 9:00 AM – 5:00 PM

The self-service print area is accessible 24x7.

Contact: In-house extension: 6135

Direct Number: (415) 359-0235

CONFERENCE MANAGEMENT



Association Management
c/o American College of Surgeons
633 N. Saint Clair St.
Chicago, IL 60611-3211

Representatives from ACS will be present at the conference and will be wearing recognizable identification. Please feel free to approach them at any time with questions, comments, concerns, or if you require additional assistance of any kind.

CONTINUING EDUCATION INFORMATION

If you wish to receive Continuing Education credits for CI2017 educational sessions, please visit the Continuing Education Desk located in the Registration Area on the Ballroom Level. The Continuing Education Desk will be open during Registration Hours (see page 8).

Conference staff will provide you with the necessary paperwork for you to complete to obtain continuing education credits. Please return your completed forms at the end of the conference. Credits will not be processed without completed paperwork. To obtain credit for sessions attended, record the CE Code that is presented at the end of each session.

A Certificate of Attendance or CME Certificate will be emailed to you by September 15, 2017. Your certificate will confirm your CE Credits for the professional association(s) that you indicated, if allowed by said organization. Please note that each association's guidelines for acceptance of conference credit hours may differ, and you should consult the appropriate professional association for CE verification. If you have any questions, please contact Susan Thomas at stthomas@acialliance.org.

DISCLAIMER

Attendees voluntarily assume all risks involved in travel to and from CI2017 and in attendance of and participation in the program. ACI Alliance and ACS Association Management Services shall not be liable for any loss, injury, or damage to person or property resulting directly or indirectly from any acts of God, acts of government or other authorities, civil disturbances, acts of terrorism, riots, thefts, or from any other similar causes.

CONSENT TO USE OF IMAGES

Please note that attending, or participating in, any CI2017 Pediatric Symposium activity constitutes as consent to use and distribute

any photographs or video taken by or on behalf of ACI Alliance for informational, publicity, promotional, website and/or reporting purposes in print digital or other format without notice of compensation.

CONFERENCE PROCEEDINGS

Special thanks to *Otology & Neurotology* for the journal's important contribution to the 15th Symposium on Cochlear Implants in Children. *Otology & Neurotology* will publish conference proceedings in electronic (open access) format.

COMMUNICATION ACCESS

The entire conference will be accessible for individuals with hearing loss. Every session will offer real-time captioning by experienced CART reporters who have worked with our CI conference in the past. In addition to live captioning in the meeting rooms, you may also access full screen captioning via the CapApp! To access CapApp, download the CI2017 Mobile App to your device and select the session you are attending. Click the 'CapApp' button within that session, and you will see the full running captioning on your device.

SPANISH LANGUAGE CAPTIONING TRANSLATION

When using the CapApp, you may also select 'Spanish' from the options menu to receive a Spanish language streaming translation of the captioned content. See "Communication Access" for instructions on accessing the CapApp.



Continuing Education

CONTINUING MEDICAL EDUCATION CREDIT INFORMATION

ACCREDITATION

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the American College of Surgeons and the American Cochlear Implant Alliance. The American College of Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA CATEGORY 1 CREDITS™

The American College of Surgeons designates this live activity for a maximum of **14.00 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



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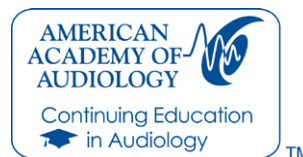


AMERICAN COLLEGE OF SURGEONS
DIVISION OF EDUCATION
Accredited with Commendation by the
Accreditation Council for Continuing Medical Education

DISCLOSURE INFORMATION:

In compliance with ACCME Accreditation Criteria, the American College of Surgeons, as the accredited provider of this activity, must ensure that anyone in a position to control the content of the educational activity has disclosed all relevant financial relationships with any commercial interest. All reported conflicts are managed by a designated official to ensure a bias-free presentation. Please see the insert to this program for the complete disclosure list.

CONTINUING EDUCATION CREDITS FOR AAA MEMBERS



ACI Alliance is approved by the American Academy of Audiology to offer Academy CEUs for this activity. The program is worth a maximum of **2.15 CEUs/1.35 Tier 1 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 Academy of Audiology. Participants seeking AAA continuing education credits **are required to submit their membership number** at the time of registration.

Individuals seeking Tier 1 CE hours must attend at least 2 of the 3 Wednesday afternoon Industry Satellite Symposia per ABA rules stating continuing education activities must be a minimum duration of 3 hours.

CONTINUING EDUCATION CREDITS FOR ASHA MEMBERS



American Cochlear Implant Alliance 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 up to **2.15 ASHA CEUs** (Advanced Level, Professional Area). Participants seeking ASHA continuing education credits are **required to submit their ASHA Account number** at the time of registration.

CONTINUING EDUCATION CREDITS FOR AG BELL



This program has been approved by the AG Bell Academy of Listening and Spoken Language to offer up to **21.5 LSLS CEUs**. Please

complete your Academy CEU Request Form and bring it to the CE desk to be signed prior to leaving the conference. Participants seeking AG Bell Academy LSLS credits are required to submit their LSLS identification number at the time of registration.

Conference Learning Objectives

At the end of this activity, participants will be able to:

- Identify candidates for implantation in the presence of single-sided deafness;
- Discuss the range of outcomes that may be achieved by implanted children with cochlear implants who are multiply involved;
- Evaluate the role and limitations of Auditory Brainstem Implantation (ABI) in children;
- Explain how music perception and enjoyment can be achieved following Cochlear Implantation;
- Describe the impact of the home environment on language and the brain in children with cochlear implants;
- Discuss the pros and cons of remote cochlear implant programming in the adolescent population;
- Identify potential barriers that hinder widespread use of remote programming for pediatric cochlear-implant recipients;
- Discuss typical shortcomings of Medicaid coverage for pediatric cochlear implantation; and
- Describe the rates of hearing preservation in children receiving cochlear implants and the benefits of improved speech.

Conference Description

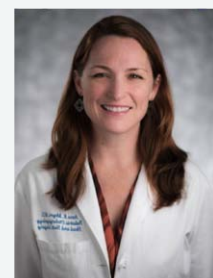
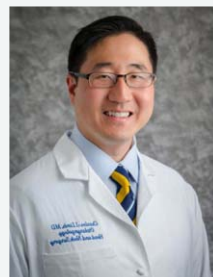
This symposium will provide an educational environment which fosters the dissemination of high-quality science applicable to all fields of professionals in attendance. This symposium will provide attendees with opportunities to explore current topics that have the greatest impact on improving outcomes for children with cochlear implants, including:

- Role of the peripheral and central auditory system on music appreciation and opportunities to improve access to music
- Improved integration between CI and other related biotechnology
- Role of early and targeted intervention on language development
- Review of objective metrics for success in CI recipients
- Indications for implantation in the presence of single-sided deafness
- Discussion of innovative methods to optimize access to care, in an efficient and cost-effective manner



UCSF School of Medicine

The UCSF Department of Otolaryngology-Head and Neck Surgery has been an international leader in the development and application of electrical stimulation of the auditory system to restore hearing for over 35 years. Each year, the Douglas Grant Cochlear Implant Center evaluates and treats hundreds of adults and children who fail to receive much benefit from hearing aids. With the recent addition of the remarkable Children's Hospital of Oakland to the UCSF hospital system, our combined cochlear implant program is dedicated to providing the most advanced technology, best care, and full range of service to our adult and pediatric patients, including evaluation, counseling, surgery, programming, testing, rehabilitation, and research.



The Stanford Department of Otolaryngology – Head and Neck Surgery

The Stanford Ear Institute provides a full range of clinical services to children and adults with hearing loss. In partnership with world-class resources of the Lucile Packard Children's Hospital and the Stanford Adult Hospital, our multispecialty team includes fellowship-trained neurotologists and pediatric otolaryngologists, audiologists, speech pathologists, educators, nurses, physical therapists, and social workers. Our expertise is focused on providing optimized patient-centered services for the entire spectrum of ear disorders. The program includes comprehensive state-of-the-art microsurgical care, amplification, and rehabilitation services. Members of our clinical team have all received sub-specialty education in the care of cochlear implantation.

Our pediatric cochlear implant program includes partnership with the Weingarten Children's Center, a national leader in early education for children with hearing loss. Together, we have established the BabyTalk Teletherapy Program (babytalk.stanford.edu) to offer families throughout California comprehensive innovative services, including consultation with experienced professionals, and customized therapy sessions delivered to participants' homes. Stanford has also partnered with the Baker Institute (bakerinstituteforchildren.org) to provide ongoing educational programs, such as the Listen to Me conference, and supplemental rehabilitation services to optimize cochlear implant outcomes for children in need.

Famous for breakthroughs resulting from interdisciplinary efforts, Stanford University has a proud history in the development of hearing technology, including the development and first clinical use of a multichannel cochlear implant in 1964. We are now once again poised to advance the understanding and treatment of hearing deficits through the Stanford Initiative to Cure Hearing Loss (hearinglosscure.stanford.edu). This multispecialty effort is focused on the restoration of the fundamental mechanisms essential for sound perception and understanding, using advances in genetics, pharmacotherapy, devices, and stem cell treatment. Our team includes preeminent investigators in related basic science and translational research, and works in concert with other faculty throughout the Stanford School of Medicine and University.



Opening Ceremonies & John Niparko Memorial Lecture

Date and Time: Thursday, July 27 / 8:40 – 10:10 AM

Location: Grand Ballroom B

WELCOME FROM THE UNIVERSITY OF CALIFORNIA SAN FRANCISCO AND STANFORD UNIVERSITY:

Charles Limb, MD, Scientific Co-Chair

Nikolas Blevins, MD, Scientific Co-Chair

WELCOME FROM ACI ALLIANCE:

Colin Driscoll, MD, Chair, ACI Alliance Board of Directors

MUSICAL PERFORMANCE:

"Song to the Moon" from *Rusalka* by Antonín Dvořák

Performed by Indre Viskontas, soprano and Karen Chan Barrett, piano

JOHN NIPARKO MEMORIAL LECTURE:

To recognize Dr. John K. Niparko's enduring commitment to cochlear implant research and clinical care and honor his significant contributions to the field, ACI Alliance established a lectureship to be given at the annual CI Symposium by a distinguished scientist or clinician.



Bruce Gantz, MD

INTRODUCTION:

Colin Driscoll, MD

REMEMBERING JOHN NIPARKO:

Howard Francis, MD, MBA

Margaret Winter, MS

Donna Sorkin, MA

Kevin Niparko

JOHN NIPARKO LECTURE: WHEN SHOULD WE ATTEMPT TO PRESERVE RESIDUAL ACOUSTIC HEARING IN CHILDREN?

Bruce Gantz, MD

Professor and Head, Dept of Otolaryngology--Head and Neck Surgery
University of Iowa

Dr. Gantz will discuss how hearing preservation has become a standard of care for CI in adults, but there are only a few studies using these strategies in children. His presentation will review initial experiences with hearing preservation in older children which have been quite promising, especially for those with severe to profound high frequency hearing loss that struggle to use the telephone.

ACI Alliance recognizes and thanks the following individuals for their generous support of the lectureship:

Patron (\$2000+)

Lilly Endowment, Inc.

Leader (\$250-\$500)

Catherine Birman

Brian Dunham

Amy McConkey Robbins and N. Clay Robbins

Donna Sorkin and Greg Barry

Holly Teagle

Partner (\$100-\$249)

Camille Dunn

Ann Geers

Ginger Grant

Kenneth Lee

Alexandra Quittner

Kathryn Ritter

Christina Runge

Charles Yates

Friend (up to \$99)

Jane Opie

Lisa Park

ACI Alliance Member Meeting Agenda

OUR MISSION: ADVANCING ACCESS TO COCHLEAR IMPLANTATION

Date and Time: Friday, July 28 / 8:40-9:30 AM

Location: Grand Ballroom B

Open to All Conference Attendees

MODERATOR: COLIN DRISCOLL MD, CHAIR OF ACI ALLIANCE

- Welcome
- Introduction of Board Members

CAMILLE DUNN PHD, NOMINATIONS CHAIR

- Nominations Committee: Camille Dunn, Craig Buchman, Colin Driscoll, Meredith Holcomb, Stephanie Moody Antonio, Bridget Scott-Weich
- Vote on Board of Directors (Voting by Members Only)
- Recognition of Board Members who have completed their service: Craig Buchman, Bruce Gantz

The Membership will be asked to vote on the election of three individuals as new board members for a term of 2017-2019:

NEW BOARD MEMBERS

Oliver Adunka MD • 2017-2019 Term

John Dornhoffer MD • 2017-2019 Term

Sally Tannenbaum-Katsaggelos M.Ed, CED, LSLS, Cert. AVT • 2017-2019 Term

RETURNING BOARD MEMBERS

Nikolas Blevins, Daniel Choo, Colin Driscoll, Jill Firszt, David Haynes, Meredith Holcomb, Jan Larky, Amy McConkey-Robbins, Steven Rech, Andrew Shuman, Holly Teagle

DONNA SORKIN MA, EXECUTIVE DIRECTOR OF ACI ALLIANCE

- Celebrating Our Accomplishments
- Advocacy to Advance Access to Cochlear Implants:

STATE CHAMPIONS ADVOCACY PANEL

- Debora Hatch AuD, EVMS Hearing and Balance Center, VA
- Dawn Marsiglia AuD, Johns Hopkins, MD
- Susan Norris PhD, Seattle Children's Hospital, WA
- Marion Radeen MS, CREC Soundbridge, CT
- Prashant Malhotra MD, Nationwide Children's Hospital, OH

COLIN DRISCOLL MD, ACI ALLIANCE CONFERENCES

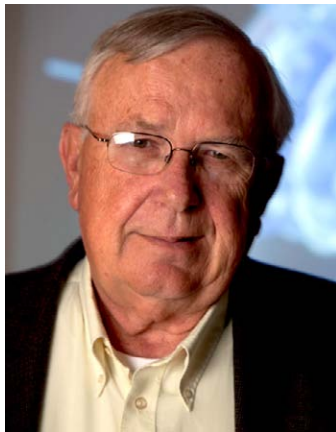
- Recognition of CI2017 Program Chairs Nikolas Blevins MD and Charles Limb MD
- CI2018 Emerging Issues in Cochlear Implantation, Washington, DC / March 7-10, 2018
- CI2019 Pediatric, Introduction of University of Miami Program Chairs Fred Telischi MD and Ivette Cejas PhD

CLOSING



Scan the QR code to review a listing of ACI Alliance 2016 Accomplishments!

CI2017 Invited Presentations



KEYNOTE LECTURE: BRAIN PLASTICITY AND COCHLEAR IMPLANTS

MICHAEL MERZENICH, PHD

Professor Emeritus, UCSF School of Medicine, Department of Otolaryngology

Dr. Merzenich will discuss how to deploy brain plasticity-based strategies to optimize cochlear implant use, and to assure effective brain-health restoration and management. Cochlear implants provide a particularly powerful form of input for driving changes in cortical circuits, and for restoring organic brain health.

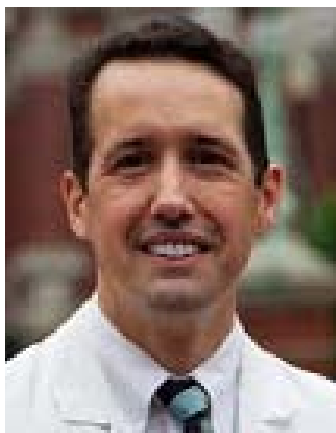


KEYNOTE LECTURE: THE MUSIC WITHIN SPEECH: VOICE EMOTION AND COCHLEAR IMPLANTS

MONITA CHATTERJEE, PHD

Director, Auditory Prostheses & Perception Laboratory
Boys Town National Research Hospital, Omaha, NE

Dr. Chatterjee will summarize the current limitations of Cochlear implants (CIs) in transmitting salient voice pitch cues to the listener. She will summarize her work on the impact of these deficits on the perception and production of emotional prosody by children and adults with CIs.



KEYNOTE LECTURE: FIRST-IN-HUMAN TRIAL OF THE LABYRINTH DEVICES MVI™ MULTICHANNEL VESTIBULAR IMPLANT SYSTEM- EARLY RESULTS

CHARLES C. DELLA SANTINA, PHD MD

Professor of Otolaryngology – Head & Neck Surgery and Biomedical Engineering
Johns Hopkins Medicine

Dr. Della Santina will describe early results from the first-in-human trial of the Labyrinth Devices MVI™ Multichannel Vestibular Implant, which is unique in that it represents the first attempt to chronically and continuously restore vestibular sensation through prosthetic electrical stimulation in human patients.



**KEYNOTE LECTURE: THE GROWTH OF LANGUAGE
UNDERSTANDING IN THE FIRST 3 YEARS IS CRITICAL: HOW TO
SUPPORT IT AND HOW TO MEASURE IT**

ANNE FERNALD, PHD

Associate Professor, Josephine Knotts Knowles Professor in Human Biology
Stanford University

Dr. Fernald will present her research in infant-directed speech and development, and the impact on the field of cochlear implants in pediatric patients.

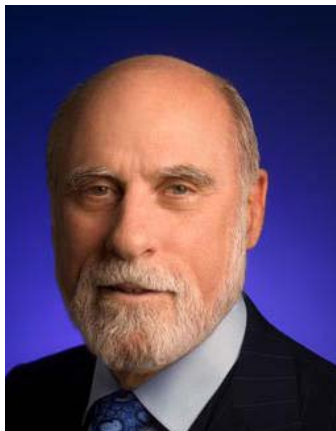


**INVITED PRESENTATION: MAXIMIZING EARLY COCHLEAR
IMPLANT BENEFITS USING SPOKEN LANGUAGE**

ANDREA WARNER-CZYZ, PHD

Assistant Professor in Communication Disorders
University of Texas at Dallas

Dr. Warner-Czyz will present "Maximizing Early Cochlear Implant Benefits Using Spoken Language." Dr. Warner-Czyz was one of the authors of a related study on early sign and CI recently published in *Pediatrics*.



**TECH PANEL: COCHLEAR IMPLANTS AND TECHNOLOGY - HOW
DO WE BRIDGE THE GAP?**

MODERATOR: VINTON G. CERF, PHD

Chief Internet Evangelist
Google

Dr. Vint Cerf (Google) will lead a free-wheeling discussion with others from Bay Area technology companies on how to push the field of cochlear implants forward beyond its current plateau. This tech panel will also explore how to increase interactions and meaningful linkages between CI technology and technology that exists in our phones, pads, and computers. Panelists include Poppy Crum, PhD (Dolby); John Hernandez, PhD (Verily); Mike Marzalek (engineer and a CI User); and Nate Niparko (Accel).



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Platform Compatibility: Android v4x+ and iOS v7x+ • Should you have any questions, please contact support@core-apps.com

CI2018 Emerging Issues in Cochlear Implantation

SAVE THE DATE
MARCH 7-10, 2018
WASHINGTON, DC

MARCH 7:

ACI Alliance on the Hill and Preconference Activities

MARCH 8-10:

CI2018 Emerging Issues Symposium

LOCATION:

Omni Shoreham

ORGANIZER:

American Cochlear Implant Alliance



The CI2018 Emerging Issues Symposium is a forum for hearing health clinicians, scientists, students and governmental officials to come together to share research and best clinical practices relating to cochlear implants and other implantable auditory devices. The Symposium will feature 2 ½ days of clinical research presentations. This popular format combines invited speakers and panels on key emerging issues as well as submitted podium and poster presentations.

On Wednesday, prior to the official meeting start, we welcome our members to participate in ACI Alliance on the Hill. This is an opportunity to share our perspectives on cochlear implant care and access with both Members of Congress and appointed officials.

Emerging Issues to be explored:

1. Parental Role in Pediatric CI Outcomes
2. Testing Protocols for Cochlear Implant Candidacy
3. Practice Management
4. Quality of Life Outcomes Associated with Cochlear Implantation

ABSTRACT SUBMISSIONS FOR PODIUM AND POSTER RESEARCH PRESENTATIONS WILL OPEN IN LATE AUGUST, 2017.



CI2018
EMERGING ISSUES

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Conference Schedule

WEDNESDAY, JULY 26, 2017

TIME	CODE	TITLE	PRESENTER	ROOM
12:00 PM - 1:30 PM	IND01	Industry Satellite Symposium		Grand Ballroom B
2:00 PM - 3:30 PM	IND02	Industry Satellite Symposium		Grand Ballroom B
4:00 PM - 5:30 PM	IND03	Industry Satellite Symposium		Grand Ballroom B

THURSDAY, JULY 27, 2017

TIME	CODE	TITLE	PRESENTER	ROOM
7:30 AM - 8:30 AM	IND04	Industry Satellite Symposium		Grand Ballroom B
8:40 AM - 9:10 AM	OPEN01	Opening Ceremonies		Grand Ballroom B
9:10 AM - 10:10 AM	KEY01	Keynote: John Niparko Memorial Lecture: When Should We Attempt to Preserve Residual Acoustic Hearing in Children?	Bruce Gantz, MD	Grand Ballroom B
10:10 AM - 10:40 AM	COF01	Coffee Break with Exhibitors		Yosemite Room
10:40 AM - 11:55 AM	S1-1	Music Panel: Can We Improve Pitch Perception in CI Users?		Continental 1-4
		Moderator: Kate Gfeller, PhD		
		Panelists: David Landsberger, PhD; Charles Limb, MD; Jay Rubinstein, MD, PhD		
10:40 AM - 11:55 AM	S1-2	Surgical Techniques		Continental 5-6
		Moderators: Thomas Balkany, MD; Christoph Arnoldner, Prof. Dr. Med.		
10:40 AM - 10:49 AM		"Silent" Electrode Insertion: Developing a Time-Based Guideline from Intracochlear Pressure Measurements	Renee Banakis Hartl, MD, AuD	
10:49 AM - 10:58 AM		Effects of Steroid Application with a Cochlear Catheter on Impedances and Electrically Evoked Compound Action Potentials after Cochlear Implantation	Lutz Gaertner, PhD	
10:58 AM - 11:07 AM		Real Time Intraoperative Monitoring Using the Cochlear Implant Electrode for Hearing Preservation	Aanand Acharya, MA (Cantab), MBBS, FRCS, FRACS	
11:07 AM - 11:16 AM		Reducing Trauma and Optimizing Intracochlear Position with a Shape Memory Polymer Cochlear Implant Array	Kenneth Lee, MD, PhD	
11:16 AM - 11:25 AM		Can Intracochlear Electrocochleography be Used to Estimate Residual Acoustic Hearing Following Cochlear Implantation?	Jourdan Holder, AuD	
11:25 AM - 11:34 AM		Use of an Integrated System to Measure Electrical Stapedial Reflexes in Children with Cochlear Implants	Lizette Carranco Hernandez, MD	
11:34 AM - 11:42 AM		Intra-operative Trauma Detection with Help of Electrocochleography and Fluoroscopy Video	Ralf Greisiger, PhD	
11:42 AM - 11:55 AM		Q&A		
10:40 AM - 11:55 AM	S1-3	Predicting and Improving Outcomes		Grand Ballroom B
		Moderators: Teresa Caraway, PhD, LSLS Cert. AVT; Nancy Young, MD		
10:40 AM - 10:49 AM		Long-term Results of Auditory Abilities after Cochlear Implantation in Subjects with Unilateral Deafness	Rolf Battmer, PhD	
10:49 AM - 10:58 AM		Predicting Outcomes of Children with Cochlear Implants - Findings from the LOCHI Study	Teresa Ching, PhD	
10:58 AM - 11:07 AM		Development Trajectories of Speech Production between 4 and 8 Years Post-implant	Andrea Warner-Czyz, PhD	
11:07 AM - 11:16 AM		Factors Affecting Development of Babble in Prelingually Deaf Children Who Use Cochlear Implants	Liz Hamilton, SLP	

TIME	CODE	TITLE	PRESENTER	ROOM
11:16 AM - 11:25 AM		Category Indicators for Monitoring Long-term Communication Outcomes in a Large Cohort of Children Using Cochlear Implants	Jaime Leigh, PhD	
11:25 AM - 11:34 AM		Attention to Speech in Deaf Infants with Cochlear Implants	Yuanyuan Wang, PhD	
11:34 AM - 11:42 AM		A Longterm Study of CI Operations in Infants	Eva Karltorp, MD, PhD	
11:42 AM - 11:55 AM		Q&A		
11:55 AM - 12:55 PM	LUN01	Lunch with Exhibitors		Yosemite Room
12:55 PM - 2:10 PM	S2-1	Music Perception		Continental 1-4
		Moderators: Sujana Chandrasekhar, MD; Anna Meyer, MD		
12:55 PM - 1:04 PM		Music Processing Reveals Double Dissociation Effects between Discrimination, Association and Appreciation: Evidence from Adult Pre- and Postlingual CI Users	Niki Vavatzanidis, MSc	
1:04 PM - 1:13 PM		Beyond Technology: The Interaction of Perceptual Accuracy and Experiential Factors in Pediatric Music Engagement	Kate Gfeller, PhD	
1:13 PM - 1:22 PM		A Follow-up Study on Music Timbre and Lexical Tone Perception in Adult Mandarin-Speaking Cochlear Implant Users	Bo Liu, Masters	
1:22 PM - 1:31 PM		Links Between Audio Features, Aspects of Music, and Happy/Sad Emotions Expressed by Music in Cochlear Implant Users and Normally Hearing Adults	Georgios Papadelis, Assoc. Prof.	
1:31 PM - 1:40 PM		Hybrid Music Perception Outcomes: Implications for Melody and Timbre Recognition in Cochlear Implant Users	Jay Rubinstein, MD, PhD	
1:40 PM - 1:49 PM		Wrap it in Rap - Music Making with Adolescent CI Users	Bjørn Petersen, PhD	
1:49 PM - 1:58 PM		Stability and Predictors of Music Perception and Engagement Over Time in Pediatric Cochlear Implantees	Adam Schwalje, MD, DMA	
1:58 PM - 2:10 PM		Q&A		
12:55 PM - 2:10 PM	S2-2	Indications Panel: Implantation in Children with Single-Sided Deafness		Continental 5-6
		Moderator: Kevin Brown, MD, PhD		
		Panelists: Joachim Muller, Prof. Dr. med.; Meg Dillon, AuD; Jill Firszt, PhD; Dylan Chan, MD; Griet Mertens, PhD		
12:55 PM - 2:10 PM	S2-3	Language Development		Grand Ballroom B
		Moderators: Becky Clem, MA, LSLS Cert. AVT; Sally Tannenbaum-Katsaggelos MEd, CED, LSLS Cert. AVT		
12:55 PM - 1:04 PM		Expanding Access through Strengths Based Coaching	Hannah Eskridge, MSP	
1:04 PM - 1:13 PM		Introducing the Open- and Closed-set Task: A Criterion-reference Tool for Assessing Spoken Language Development in Toddlers who are Deaf or Hard of Hearing	David Ertmer, PhD	
1:13 PM - 1:22 PM		Parent-Child Interaction Therapy: Outcomes of a Family-Based Behavior and Language Intervention for Children with Cochlear Implants	Elizabeth Adams Costa, PhD	
1:22 PM - 1:31 PM		Cochlear Implant Candidacy Considerations and Outcomes for Children with Auditory Neuropathy	Jaime Leigh, PhD	
1:31 PM - 1:40 PM		Trajectories of Performance in Children Implanted Under 18 Months of Age - What is Normal?	Colleen Psarros, MA	
1:40 PM - 1:49 PM		The Effect of Multi-Session Training Protocols on Recognition of Sentences in Noise in Prelingual Young-Implanted Long-Term Users of Cochlear Implants	Liat Kishon-Rabin, PhD	
1:49 PM - 1:58 PM		Social Determinant of Verbal Language Development after Pediatric Cochlear Implantation: The Childhood Development after Cochlear Implantation Study	Nae-Yuh Wang, PhD	
1:58 PM - 2:10 PM		Q&A		
2:10 PM - 2:40 PM	COF02	Coffee Break with Exhibitors		Yosemite Room
2:40 PM - 3:35 PM	S3-1	Outcome Assessment		Grand Ballroom B
		Moderators: Nancy Mellon, MS; Craig Buchman, MD		
2:40 PM - 2:49 PM		Outcomes with a New Perimodiolar Cochlear Implant Electrode	J. Thomas Roland, MD	
2:49 PM - 2:58 PM		Incorporating Ceiling Effect in Analyses of Speech Perception Outcomes of a Pediatric Cochlear Implant Cohort	Vedat Topsakal, MD, PhD	

TIME	CODE	TITLE	PRESENTER	ROOM
2:58 PM - 3:07 PM		The Effect of Development on Cortical Auditory Evoked Potentials in Normal Hearing Listeners and Cochlear Implant Users	Eun Kyung Jeon, PhD, AuD	
3:07 PM - 3:16 PM		EEG Alpha Rhythms as a Biomarker for Listening Effort for Speech in Noise Perception in Cochlear Implant Users	Andrew Dimitrijevic, PhD	
3:16 PM - 3:25 PM		Programming Characteristics of Cochlear Implants in Young Children- Findings from a Population-based Prospective Study	Teresa Ching, PhD	
3:25 PM - 3:35 PM		Q&A		
2:40 PM - 3:35 PM	S3-2	Expanded Indications		Continental 5-6
		Moderators: William Shapiro, AuD; Susan Norton, PhD		
2:40 PM - 2:49 PM		Outcomes of Pediatric Cochlear Implantation in Single-Sided Deafness or very Asymmetrical Hearing Loss	Jaime Leigh, PhD	
2:49 PM - 2:58 PM		Expanding Indications for Cochlear Implantation: Single-Sided Deafness	Harold Pillsbury, MD	
2:58 PM - 3:07 PM		Indications and Outcomes of Cochlear Implant Revision Surgery for Legacy Internal Devices	Meredith Holcomb, AuD	
3:07 PM - 3:16 PM		Hearing Preservation and Speech Outcomes in Pediatric Recipients of Cochlear Implants	Kevin Brown, MD, PhD	
3:16 PM - 3:25 PM		Partial Insertion of Long Flexible Electrodes in Children with High Frequency Hearing Loss	Thomas Lenarz, MD, PhD	
3:25 PM - 3:35 PM		Q&A		
2:40 PM - 3:35 PM	S3-3	Outcomes Panel: Neurocognitive Factors in Hearing Restoration in Deaf Children		Continental 1-4
		Moderator: Andrea Warner-Czyz, PhD		
		Panelists: Anu Sharma, PhD; David Corina, PhD; Aaron Moberly, MD; Valeriy Shafiro, PhD		
3:35 PM - 4:15 PM	PH-1	Poster Highlights		Grand Ballroom B
		Moderators: Holly Teagle, AuD; Kay Chang, MD		
3:35 PM - 3:39 PM		Estimation of Residual Hearing Using Electrocochleography in Children with Cochlear Implants	Kanthaiah Koka, PhD	
3:39 PM - 3:43 PM		Improving Device Use and Exposure to Different Listening Environments: Use of Datalogging in Pediatric Advanced Bionics Recipients	Ivette Cejas, PhD	
3:43 PM - 3:47 PM		Perception of Interaural Time Differences with Cochlear Implants with a Focus on the Ongoing Fine Structure	Tobias Rottmann, Dipl.-Ing.	
3:47 PM - 3:51 PM		Factors Influencing Sound-Source Localization in Children With Bilateral Cochlear Implants	Catherine Killan, MSc	
3:51 PM - 3:55 PM		Cochlear Implantation in Children with Borderline Hearing Loss	Eunjung Na, MSc, PhD (c)	
3:55 PM - 3:59 PM		Critical Review of Suprameatal Approach for Cochlear Implantation	Vedat Topsakal, MD PhD	
3:59 PM - 4:03 PM		Electrically-evoked ABR (EABR) for Potential ABI Candidates via Endoscopically-guided, Direct Round Window Stimulation	John Germiller, MD, PhD	
4:03 PM - 4:07 PM		Hearing Performance with Different Generations of Fine Structure Strategies	Tobias Rottmann, Dipl.-Ing.	
4:07 PM - 4:11 PM		Development of a Parenting Stress Module for Caregivers of School-Age Children with Cochlear Implants	Alexandra Quittner, PhD	
4:11 PM - 4:15 PM		Aetiology and Outcomes in Paediatric Reimplantation	Christopher Raine, MBBS, FRCS, ChM	
3:35 PM - 4:15 PM	PH-2	Poster Highlights		Continental 5-6
		Moderators: Harold Pillsbury, III, MD; Jeffrey Sharon, MD		
3:35 PM - 3:39 PM		Language Sampling Practices with Children who are Deaf and Hard of Hearing	Kristina Blaiser, PhD	
3:39 PM - 3:43 PM		Intraoperative Electrocochleography (ECoChG) in Response to Acoustic Stimulus Using the Cochlear Implant Electrode Array and Post-activation Speech Outcomes	Robert Dwyer, AuD	
3:43 PM - 3:47 PM		Attention to Infant-directed Speech in Deaf Infants with Cochlear Implants	Yuanyuan Wang, PhD	

TIME	CODE	TITLE	PRESENTER	ROOM
3:47 PM - 3:51 PM		Evaluation of an Automatic System to Record and Analyze Electrically Evoked Compound Action Potentials	Lutz Gaertner, PhD	
3:51 PM - 3:55 PM		Influences of Working Memory on Hearing Abilities in Cochlear Implant Users	Hanna Boenitz, MSc	
3:55 PM - 3:59 PM		Auditory Neuropathy Spectrum Disorder: Proposed Profiles for Improved Audiologic Management	Alison J. Nachman, AuD	
3:59 PM - 4:03 PM		First Experience With A New Thin Lateral Electrode Array	Thomas Lenarz, MD, PhD	
4:03 PM - 4:07 PM		Optimizing CI Programming using Clinical Methods of Electrode Deactivation	Sarah Warren, AuD, PhD Candidate	
4:07 PM - 4:11 PM		Evolution of Mapping and Vestibular Function During Acute Labyrinthitis in a Pediatric Patient with Bilateral Cochlear Implants	Susan Gibbons, AuD	
4:11 PM - 4:15 PM		Remote Support for First- & Follow-Up-Fittings of Cochlear Implants in Children	Kelly Schepers, BH	
3:35 PM - 4:15 PM	PH-3	Poster Highlights		Continental 1-4
		Moderators: Robert Cullen, MD; Colleen Polite, AuD		
3:35 PM - 3:39 PM		Bimodal Ear to Ear Audio Streaming: Speech Understanding Advantages in Complex Listening Situations	Emily Cardenas, AuD	
3:39 PM - 3:43 PM		The Natural History and Rehabilitative Outcomes of Hearing Loss in Congenital Cytomegalovirus: A Systematic Review	Kyle Fletcher, MD	
3:43 PM - 3:47 PM		Hearing Preservation in Children Following Cochlear Implantation	Neil Patel, MD	
3:47 PM - 3:51 PM		Effect of Phonological Errors on Speech Intelligibility in Early and Later Implanted Pediatric Cochlear Implant Users	Olga Peskova, MS	
3:51 PM - 3:55 PM		Cochlear Implantation: Outcomes in Children with Cochlear Nerve Deficiency	Melissa Auchter, AuD	
3:55 PM - 3:59 PM		Pediatric Case Report Of Performance With Three Different Remote Microphone Systems: Receivers Versus Streamers	Beth Holstad, AuD	
3:59 PM - 4:03 PM		The Immersion 360 System: Bringing the Outside World into the Clinic	Francois Bergeron, PhD	
4:03 PM - 4:07 PM		Learning Molecular Imaging-based Neurologic Predictors of Cochlear Implant Outcome in Prelingually Deaf Children	Jae-Jin Song, MD, PhD	
4:07 PM - 4:11 PM		Music Enjoyment in SSD Patients: The Synergistic Effect of Electric and Acoustic Stimulation	David Landsberger, MD	
4:11 PM - 4:15 PM		Turkish Adaptation, Validity and Reliability of Musical Perception Test (MPT): T-MPT	Ayşe Sanem Sahli, PhD	
4:15 PM - 5:30 PM	POS01	Poster Session		Grand Ballroom A
5:30 PM - 7:00 PM	WR01	Welcome Reception		Yosemite Room

FRIDAY, JULY 28, 2017

TIME	CODE	TITLE	PRESENTER	
7:30 AM - 8:30 AM	IND05	Industry Satellite Symposium		Grand Ballroom B
8:40 AM - 9:30 AM	ACIA01	ACI Alliance Member Meeting	Colin Driscoll, MD	Grand Ballroom B
9:30 AM - 10:00 AM	KEY02	Keynote: Brain Plasticity and Cochlear Implants	Michael Merzenich, PhD	Grand Ballroom B
10:00 AM - 10:30 AM	KEY03	Keynote: The Music within Speech: Voice Emotion and Cochlear Implants	Monita Chatterjee, PhD	Grand Ballroom B
10:30 AM - 11:00 AM	COF03	Coffee Break with Exhibitors		Yosemite Room
11:00 AM - 12:15 PM	S4-1	Cognition Panel: The Impact of the Home Environment on Language and the Brain in CI Users		Continental 1-4
		Moderator: Matthew Fitzgerald, AuD, PhD		
		Panelists: Derek Houston, PhD; Susan Nittrouer, PhD; Ivette Cejas, PhD; Andrea Warner-Czyz, PhD		

TIME	CODE	TITLE	PRESENTER
11:00 AM - 12:15 PM	S4-2	Residual Hearing	Grand Ballroom B
Moderators: Jill Firszt, PhD; Kenneth Lee, MD, PhD			
11:00 AM - 11:09 AM		Evaluation of Long Term Cochlear Implant Use in Patients with Acquired Unilateral Profound Hearing Loss: Focus on Binaural Auditory Outcomes	Griet Mertens, PhD
11:09 AM - 11:18 AM		Chinese Mandarin Tone Recognition in Patients with Bimodal Cochlear Implants	Yongxin Li, Prof.
11:18 AM - 11:27 AM		Cochlear Implantation for Rehabilitation of Single Sided Deafness in Children and Adolescents	Matthew Carlson, MD
11:27 AM - 11:36 AM		Hearing Benefit Following Extended Contralateral Routing of Signal Use in Unilateral Cochlear Implant Users	Hillary Snapp, AuD
11:36 AM - 11:45 AM		Hearing at Birth to Cochlear Implantation - Progressive Hearing Loss	Katie Sawaya, AuD
11:45 AM - 11:54 AM		Localization and Quality of Life after Cochlear Implantation in Cases of Unilateral Hearing Loss	Margaret Dillon, AuD
11:54 AM - 12:03 PM		Masking Release with Changing Fundamental Frequency: Electric Acoustic Stimulation Resembles Normal Hearing Subjects	Alice Auinger, MD
12:03 PM - 12:15 PM		Q&A	
11:00 AM - 12:15 PM	S4-3	Basic Research	Continental 5-6
Moderators: David Friedland, MD, PhD; Alan Cheng, MD			
11:00 AM - 11:09 AM		White Matter Anisotropy in the Left Anterior Superior Temporal Region Predicts Speech Perception Improvement in Young Cochlear Implant Recipients	Nancy Young, MD
11:09 AM - 11:18 AM		Morphological Neural Preservation Underlies Speech Perception Improvement in Young Cochlear Implant Recipients	Patrick Wong, PhD
11:18 AM - 11:27 AM		Spectral-Temporal Modulated Ripple Discrimination by Children with Cochlear Implants	David Landsberger, PhD
11:27 AM - 11:36 AM		Magnetic Targeting of Stem Cell and Gene Therapy to the Inner Ear	Trung Le, MD, PhD, FRCSC
11:36 AM - 11:45 AM		Novel Approaches to Microbial Opsin Delivery for an Optogenetic based Cochlear Implant	Vivek Kanumuri, MD
11:45 AM - 11:54 AM		Vowel Recognition Scores of Children with Cochlear Implants are Related to Speech-based Spectral Resolution and Time with the Implant	Mishaela DiNino, MA
11:54 AM - 12:03 PM		Automatic Cochlea Segmentation Using Diffusion Snakes	Ibraheem Al-Dhamari, MSc
12:03 PM - 12:15 PM		Q&A	
12:15 PM - 1:15 PM	LUN02	Lunch with Exhibitors	Yosemite Room
1:15 PM - 2:30 PM	S5-1	Imaging / Revisions	Continental 5-6
Moderators: Howard Francis, MD, MBA; John Germiller, MD, PhD			
1:15 PM - 1:24 PM		Predictors of Round Window Visibility In Cochlear Implantation with Temporal Bone High Resolution Computed Tomography	Shuping Sun, MD, PhD
1:24 PM - 1:33 PM		Outcomes of Revision Cochlear Implantation for Soft Failure	Kyle Kimura, MD
1:33 PM - 1:42 PM		Comparison of Skull Radiograph and Computed Tomography Measurements of Cochlear Implant Insertion Angles: A Temporal Bone Study	Daniel Jethanamest, MD
1:42 PM - 1:51 PM		Revision Cochlear Implantation	Noam Yehudai, MD, MHA
1:51 PM - 2:00 PM		Insertion Depth Angle Prediction Accuracy for Cochlear Implant Electrode Array Selection	Wilhelm Wimmer, PhD
2:00 PM - 2:09 PM		Cochlear Implant Device Failures - Indications for Revision and Outcomes	Noam Yehudai, MD, MHA
2:09 PM - 2:18 PM		Three-dimensional Visualization of Micro-anatomical Structures of the Human Inner Ear	R. van de Berg, MD
2:18 PM - 2:30 PM		Q&A	

TIME	CODE	TITLE	PRESENTER
1:15 PM - 2:30 PM	S5-2	Delivery Panel: Tips from the Trenches - Lessons Learned from Experience with Pediatric Cochlear Implantation	Grand Ballroom B
		Moderators: Jan Larky, MA and Jolie Fainberg, MA	
		Panelists: Julie Cooper, MS, LSLS Cert AVT; Lisa Tonokawa Marcacci, MS; Kathy Mastrini; Sarah Coulthurst, MS	
1:15 PM - 2:30 PM	S5-3	Quality, Access, and Policy	Continental 1-4
		Moderators: Margaret Winter, MS, Michael Cohen, MD	
1:15 PM - 1:24 PM		A New U.S. Standard - AAMI CI86 Cochlear Implant Systems: Requirements for Safety, Functional Verification, Labeling and Reliability Reporting	William Regnault, PhD
1:24 PM - 1:33 PM		Delay in Diagnosis and Compliance with 1, 3, 6: An Analysis of National EDHI Data	Anita Jeyakumar, MD
1:33 PM - 1:42 PM		Application of Kaizen Principles, Methods, and Tools to a Large Cochlear Implant Program: A Quality Improvement Study	Douglas Sladen, PhD
1:42 PM - 1:51 PM		The Fundamentals for Developing a National Registry of Auditory Implants	Andy Hall, FRCS
1:51 PM - 2:00 PM		Unilateral Cochlear Implant: Impact on Quality of Life Measured With the Glasgow Benefit Inventory	David Low, MBBS
2:00 PM - 2:09 PM		Cochlear Implant Access and Medicaid	Donna Sorkin, MA
2:09 PM - 2:18 PM		AAMI CI86, A New Standard for Cochlear Implants. What Does it Mean for CI Professionals?	Teresa Zwolan, PhD
2:18 PM - 2:30 PM		Q&A	
2:30 PM - 3:00 PM	COF04	Coffee Break with Exhibitors	Yosemite Room
3:00 PM - 4:00 PM	S6-1	Electrode Array	Continental 1-4
		Moderators: Joseph Chen, MD; Stephanie Moody Antonio, MD	
3:00 PM - 3:09 PM		New Lateral Wall Electrode: Evaluation of Surgical Handling, Radiological Placement, and Histological Appraisal of Insertion Trauma	Alejandro Rivas, MD
3:09 PM - 3:18 PM		Perimodiolar, Slim Straight and Thin Perimodiolar Electrode Arrays: Comparison of Performance Outcomes	J. Eric Lupo, MD, MS
3:18 PM - 3:27 PM		Effect of Electrode Position on Electrophysiological and Psychoacoustic Parameters in Cochlear Implant Patients with Lateral and Perimodiolar Electrode Arrays	Chantal Degen, MD
3:27 PM - 3:36 PM		Short and Standard Electrodes in Infants with Profound Deafness	Camille Dunne, PhD
3:36 PM - 3:45 PM		Surgical Outcomes with a New Slim Modiolar Cochlear Implant Electrode Array	Jonathan McJunkin, MD
3:45 PM - 4:00 PM		Q&A	
3:00 PM - 4:00 PM	S6-2	Fitting	Grand Ballroom B
		Moderators: Sarah Sydlowski, AuD, PhD; Susan Waltzman, PhD	
3:00 PM - 3:09 PM		MAP Optimisation with Artificial Intelligence	Paul Govaerts, MD, MSc, PhD
3:09 PM - 3:18 PM		From Activation to Complex Programming: The When, Why and How of Pediatric NRT	Yetta Abrahams, MA
3:18 PM - 3:27 PM		Clinical Trial Results: Wireless Programming Pod	Sara Neumann, AuD
3:27 PM - 3:36 PM		Real World Listening Environments and the Success of Children Using SCAN	Yetta Abrahams, MA
3:36 PM - 3:45 PM		Evaluation of the Kanso Sound Processor: Clinical Trial Results	William Shapiro, AuD
3:45 PM - 4:00 PM		Q&A	
3:00 PM - 4:00 PM	S6-3	Delivery Panel: Effective Use of Limited Resources in Cochlear Implantation	Continental 5-6
		Moderator: David Haynes, MD	
		Panelists: Meredith Holcomb, AuD; Charles Syms, MD; Greg Licameli, MD; Douglas Sladen, PhD; Amy McConkey Robbins, MS, LSLS Cert. AVT; Hannah Eskridge, MSP	

TIME	CODE	TITLE	PRESENTER
4:10 PM - 5:10 PM	S7-1	Telehealth / Delivery	Continental 5-6
		Moderators: Anil Lalwani, MD; Meredith Holcomb, AuD	
4:10 PM - 4:19 PM		Telehealth: Remote Programming of Cochlear Implants	Allison Biever, AuD
4:19 PM - 4:28 PM		Remote Programming of Cochlear Implants - Access Opportunities and Challenges	Tom Walsh, MBA
4:28 PM - 4:37 PM		Telehealth for Teens: Remote Programming Benefits in the Adolescent Population	Lisa Park, AuD
4:37 PM - 4:46 PM		Challenges and Outcomes Associated with Providing Teletherapy to Vulnerable Children with Hearing Loss	Matthew Fitzgerald, PhD
4:46 PM - 4:55 PM		Delivering Cochlear Implantation to Underserved Populations: Cost-Effectiveness and Outcomes among the Plain Population	Robert O'Reilly, MD
4:55 PM - 5:10 PM		Q&A	
4:10 PM - 5:10 PM	S7-2	Audiology Assessment and Indications	Grand Ballroom B
		Moderators: Cache Pitt, AuD; Ginger Stickney, PhD	
4:10 PM - 4:19 PM		Relationship between Objective and Behavioural Audiology for Infants Being Assessed for Cochlear Implantation: Implications for CI Candidacy Assessment	Jaime Leigh, PhD
4:19 PM - 4:28 PM		The Effect of Front-End Processing on Speech Perception of Cochlear Implant Users	Kristen Rak, Dr. Med.
4:28 PM - 4:37 PM		Update on the Pediatric Minimum Speech Test Battery for Children with Hearing Loss	Andrea Warner-Czyz, PhD
4:37 PM - 4:46 PM		Implantation of Non-Traditional Pediatric Cochlear Implant Candidates: An Evaluation of Outcomes and Factors Contributing to Post-Operative Performance	Christine Brown, AuD
4:46 PM - 4:55 PM		Is Early Intervention Necessary for Children with Partial Hearing?	Kate Harvey, BSc Hons, MSc
4:55 PM - 5:10 PM		Q&A	
4:10 PM - 5:10 PM	S7-3	Rehabilitation and Outcomes	Continental 1-4
		Moderators: Sandra Prentiss, PhD; Adrien Eshraghi, MD, MSc	
4:10 PM - 4:19 PM		The Relationship between Factors of Cognition, Speech Perception, and Language in Children with Cochlear Implants	Elizabeth Adams Costa, PhD
4:19 PM - 4:28 PM		Bilateral Cochlear Implantation in Children with Autism	Adrien Eshraghi, MD, FACS
4:28 PM - 4:37 PM		Development of School-Age and Parent-Proxy Health-Related Quality of Life Measures for Children with Cochlear Implants	Michael Hoffman, MS
4:37 PM - 4:46 PM		PEARLS: A Parenting Intervention for Pediatric CI Recipients & Their Families	Ivette Cejas, PhD
4:46 PM - 4:55 PM		Evidence-based Guidelines for the Provision and Timing of Cochlear Implantation for Young Children	Jaime Leigh, PhD
4:55 PM - 5:10 PM		Q&A	

SATURDAY, JULY 29, 2017

TIME	CODE	TITLE	PRESENTER
7:30 AM - 8:30 AM	IND06	Industry Satellite Symposium	Grand Ballroom B
8:40 AM - 9:10 AM	KEY04	Keynote: First-in-human Trial of the Labyrinth Devices MVI™ Multichannel Vestibular Implant System– Early Results	Charles Della Santina, MD, PhD
9:10 AM - 9:40 AM	KEY05	Keynote: The Growth of Language Understanding in the First 3 Years is Critical: How to Support It and How to Measure It	Anne Fernald, PhD
9:40 AM - 9:57 AM	ACIA02	Invited Talk: Early Sign Language Exposure and Cochlear Implantation Benefits	Andrea Warner-Czyz, PhD
9:57 AM - 10:15 AM	COF05	Coffee Break	Grand Ballroom A

TIME	CODE	TITLE	PRESENTER
10:15 AM - 11:35 AM	S8	Technology Panel: Cochlear Implants and Technology: How Do We Bridge the Gap?	Grand Ballroom B
		Moderator: Vinton G. Cerf, PhD	
		Panelists: Poppy Crum, PhD; John Hernandez, PhD; Nate Niparko; Mike Marzalek	
11:40 AM - 12:40 PM	S9-1	Technology and Innovation	Continental 5-6
		Moderators: Fred Telischi, MD; Teresa Zwolan, PhD	
11:40 AM - 11:49 AM		Biological Therapies - From Improvements Towards a Cure	Stefan Heller, PhD
11:49 AM - 11:58 AM		Restoration of the High Frequency Angular Vestibulo-ocular Reflex with Vestibular Implants	Nils Guinand, MD
11:58 AM - 12:07 PM		Preliminary Findings of a Parent-focused Intervention Using Mobile and Wearable Technology to Enrich the Everyday Language Environments of Young Children	Jaime Leigh, PhD
12:07 PM - 12:16 PM		Benefit of Adaptive Dual-Microphone Beamformers for Understanding Speech in Noise in Cochlear Implant Recipients and Bimodal Listeners	Lisa Dahlstrom, AuD
12:16 PM - 12:25 PM		Legal and Ethical Obligations of the Clinician-Patient-Industry Relationship	Michael Page, AuD
12:25 PM - 12:40 PM		Q&A	
11:40 AM - 12:40 PM	S9-2	Audiology / Devices	Grand Ballroom B
		Moderators: Julie Arenberg Bierer, PhD; Alison Grimes, AuD	
11:40 AM - 11:49 AM		The Effectiveness of a Middle Ear Implant in Some Cochlear Implant Candidates	Joseph Chang, MD
11:49 AM - 11:58 AM		Bonebridge in Children with Pinna Abnormalities and Canal Atresia	Ing Ping Tang, MS (ORL-HNS)
11:58 AM - 12:07 PM		Cortical Auditory Evoked Potential (CAEP) and Behavioural Measures of Auditory Function in an Child with a Single Sided Deafness	Oscar Cañete, PhD
12:07 PM - 12:16 PM		Measuring Sound Processor Threshold Levels for Pediatric Cochlear Implant Recipients Using Visual Reinforcement Audiometry via Telepractice	Joshua Sevier AuD
12:16 PM - 12:25 PM		Pilot Results of CI Functional Testing Using a Tablet Audiometer without a Sound-field or Audiometric Booth	Matthew Bromwich, MD, FRCSC
12:25 PM - 12:40 PM		Q&A	
11:40 AM - 12:40 PM	S9-3	Auditory Brainstem Implantation	Continental 1-4
		Moderators: J. Thomas Roland, MD; Thomas Lenarz, Prof. Dr. med.	
11:40 AM - 11:49 AM		Oral Communication Assessment and Outcomes in Children with Auditory Brainstem Implants	Dianne Hammes Ganguly, MA
11:49 AM - 11:58 AM		Pediatric Auditory Brainstem Implant: Outcome and Early Age at Implantation	Liliana Colletti, PhD
11:58 AM - 12:07 PM		Longitudinal Changes in Electrically Evoked Auditory Event-Related Potentials in Children with Auditory Brainstem Implants	Shuman He, MD, PhD
12:07 PM - 12:16 PM		Pediatric Auditory Brainstem Implant Outcomes: An Update from one North American Institution's Clinical Trial	Kevin Wong, BA
12:16 PM - 12:25 PM		Auditory Brainstem Implantation Is Beneficial For Prelingually Deaf Children	Robert Behr, MD
12:25 PM - 12:40 PM		Q&A	
12:40 PM		Meeting Adjourns	
1:00 PM - 4:00 PM	WKS01	Post-Conference Consumer Workshop	Continental 1-4

Poster Listing

Rehabilitation/ Educational Aspects

- 1**
Validation of the RCHSD Children's Implant Profile (ChIP) Score: Improving Outcomes of Pediatric Cochlear Implant Candidates
Rosabel Agbayani MPH
- 2**
Assessment of Quality of Life in Adolescents with Cochlear Implant
Helena Alves
- 3**
Examining Speech and Language Characteristics in a Cohort of Children with Cochlear Implants and Childhood Apraxia of Speech
Becky Baas MA
- 4**
Exploring the Stories Hearing Parents Tell their Deaf Children about their Decision to (or not to) Opt for Cochlear Implantation During Infancy
Brittan Barker PhD
- 5**
Optimizing the Benefit of Cochlear Implant Processors for Sound Localization
Daniel Beaudoin MOA
- 6**
Cochlear Implants and Bilingualism: A Realm of Possibilities
Michele Berke PhD
- 7**
Collaborative Partnerships to Improve Outcomes for Children who are Deaf/Hard-of-Hearing
Kristina Blaiser PhD, CCC-SLP
- 8**
Cochlear Implant Evaluation in Patients with Single Sided Deafness
Arthur Castilho MD
- 9**
Early Linguistic Developments of Simultaneous Bilateral Cochlear Implantees
JAE YOUNG CHOI MD, PhD
- 10**
Listen to Me: Benefits of Intensive Education for Parents of Children with Cochlear Implants
Julie Cooper MS, CCC-SLP, LSLS Cert AVT
- 11**
Evaluation of Unilateral Cochlear Implant Outcomes in Pre-Lingual Children
Guilherme Crespo MD
- 12**
Correlation of Cochlear Implantation Outcomes in Children With Pre-Existing Cerebral Abnormalities
Shweta Deshpande MA, CCC-SLP
- 13**
Does the Addition of a Group Music Intervention to Traditional Listening and Spoken Language Therapy Support the Development of School-readiness Skills in Preschool Children with Hearing Loss?
Glynnis DuBois PhD Student
- 14**
Communicative Profile: Comparison Between Children Using Hearing Aids and Those Using Cochlear Implants
Tarek El Dessouky MD
- 15**
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Elizabeth Erickson O'Neill AuD
- 16**
Improving Intervention for Minority Language Speaking Families of Preschool Children with Hearing Loss: Insights Derived from Language Recordings, Interviews, and Questionnaires
Alice Eriks-Brophy PhD
- 17**
Cochlear Implantation in Cases of Unilateral Hearing Loss (UHL): Therapy Implications for Children
Maegan Evans PhD
- 18**
Identification and Management of Children with Usher Syndrome
Jolie Fainberg MA
- 19**
The Natural History and Rehabilitative Outcomes of Hearing Loss in Congenital Cytomegalovirus: A Systematic Review
Kyle Fletcher MD
- 20**
Bilingualism and Infancy Hearing Loss: Relationship between First Language and Italian Language Evolution in a Group of Children with Hearing Aids and/or Cochlear Implants
Maria Consolazione Guarnaccia ENT-Doctor in Audiology
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Cochlear Implant (Re)habilitation in Developing Country of Indonesia
Eka Hikmat MSpecEd
- 23**
Synchronous versus Metachronous Cochlear Implantation in Small Children - Does it Matter?
Laura Holtmann MD
- 24**
Ready Steady Go: Optimization of a Process - Assessment and Planning for Cochlear Implantation in Children and Adults
Radi Jonsson MD, PhD
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Proportion of Nouns and Vocabulary Size in Young CI Recipients
Jongmin Jung PhD
- 26**
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Annette Leonhardt Prof. Dr. Med.
- 27**
Tele-Mentoring: Providing Comprehensive Community Care to Cochlear Implant Recipients
Shana Lucius MA, CCC-SLP, LSLS Cert. AVT
- 28**
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Violeta Necula MD, PhD
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Effect of Phonological Errors on Speech Intelligibility in Early and Later Implanted Pediatric Cochlear Implant Users
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- 30**
Development of a Parenting Stress Module for Caregivers of School-Age Children with Cochlear Implants
Alexandra Quittner PhD
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The Quality of Life in Small Children in the First Two Years After Cochlear Implantation
Luminita Radulescu Dr.
- 32**
Health Related Quality of Life in Children with Cochlear Implants Equipped at an Early Age During the First Two Years
Alexander Saenz Dr.
- 33**
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Ayşe Sanem Sahli PhD
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Turkish Adaptation, Validity and Reliability of Preschool Language Scale-Fifth Edition (PLS-5): Turkish Preschool Language Scale-5 (TPLS-5)
Ayşe Sanem Sahli PhD
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Ayşe Sanem Sahli PhD
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Megan Shannahan B.S.
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Michelle Shannon AuD, CCC-A
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Madhu Sundararajan PhD
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Rhyme Awareness in Children with Cochlear Implants: Investigating the Effect of a Degraded Auditory System on Language and Literacy Development
Katrien Vermeire PhD
- 40**
Nasal Resonance Characteristics in Mandarin Speaking Children with Cochlear Implants
Yajing Wang PhD

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Yuanyuan Wang PhD
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Deena Wechsler-Kashi PhD
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Maria Amaral MD
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Revision Cochlear Implant in Children
Maria Amaral MD
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Charles Anzalone MD
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Racial Disparity in Age of Initial Cochlear Implantation in Children: A Local and National Perspective
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KURZ provides passive middle ear prostheses in Titanium and Nitinol. With inventive products including CliP® and Ball Joint designs KURZ sets new standards in micro-engineering. Dedication to research and development, combined with understanding of middle ear mechanics and clinical evidence makes KURZ® one of the most advanced Middle Ear reconstruction systems worldwide.

mclifford@kurzmed.de

770-349-6330

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Earlens is the first hearing device to use light to transmit sound. By using light, Earlens provides the broadest bandwidth on the market: delivering 60 dB of gain between 125Hz and 10kHz. Clearer, more natural sound and delivery of both low and high frequencies results in a truly differentiated user experience.

lisa.manners@earlens.com

650-739-4541

www.earlens.com



EGYPT COCHLEA

Egypt Cochlea is the biggest conference for Pediatric Cochlear Implant in the Middle East. Best renowned ENTs will gather in one event to educate clinicians with the emerging best medical practices and technologies; with an objective to eradicate deafness and give hope to children to pursue their dreams and live life to its fullest.

Egypt Cochlea 2018

8-10 February 2018

**Royal Maxim Palace Kempinski –
Cairo, Egypt**

sec@egyptcochlea.org / info@blueskyevent.org

blueskyevent.org

(+2) 0115 880 8986

www.egyptcochlea.org

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SAUDI OTOLARYNGOLOGY SOCIETY

Saudi Otolaryngology Society is a non-profit organization with over 500 members. An active member of IFOS one of the largest society in the middle east and has existing partnership with international ORL societies, associations and organizations. Consistently organizing regional & international conferences including courses and symposia.

info@arabcic.com
+966-11-4786100 Ext. 5651
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MED-EL

MED-EL

For more than 25 years, MED-EL has been a leading innovator and trusted partner in the field of hearing implants. Visit our booth and find out what makes MED-EL cochlear implants, middle ear implants, and bone conduction hearing systems the most advanced hearing loss solutions available.

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https://www.shoebbox.md/



OTICON MEDICAL

Oticon Medical is a manufacturer of the Ponto system which consists of the Ponto BHX Implant, an abutment and a Ponto sound processor; which is implanted using a minimally invasive surgery technique (MIPS). The Ponto sound processor is currently the world's most powerful abutment-level processor family, Ponto 3.

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OTOTRONIX

Ototronix designs and manufactures advanced hearing technologies for the treatment and diagnosis of hearing loss. The MAXUM Implant improves the patient experience with a clearer, more natural sound. Our hearing and balance diagnostic systems are designed to streamline conventional processes.

support@ototronix.com
877-410-4327
www.ototronix.com

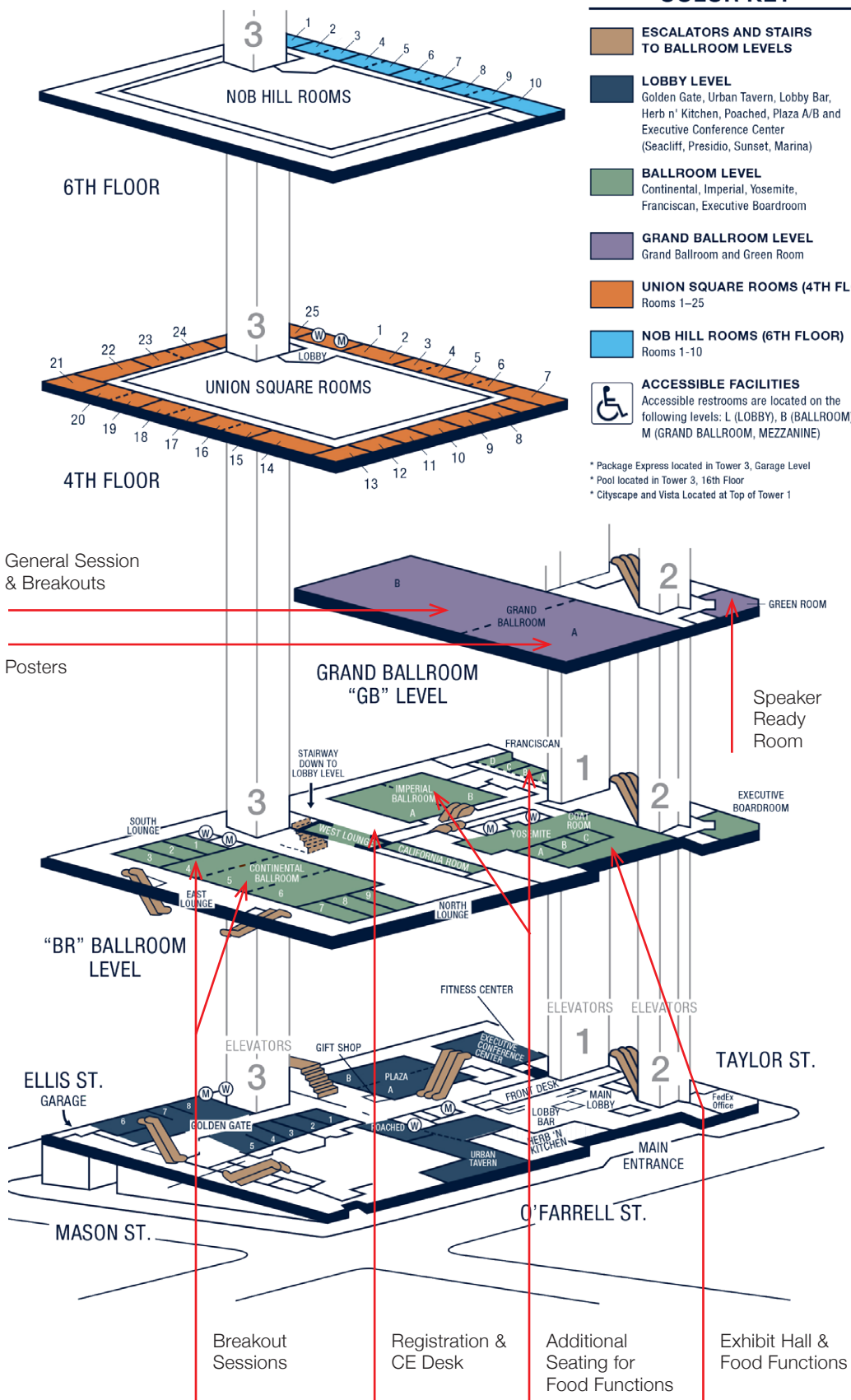


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Hotel Layout



Housing & Travel Information

VENUE AND HOUSING

Hilton San Francisco (Headquarters)

333 O'Farrell Street
San Francisco, CA 94102
Phone: (415) 771-1400
Website: <http://www3.hilton.com/en/hotels/california/hilton-san-francisco-union-square-SFOFHHH/index.html>

Parc 55

55 Cyril Magnin St
San Francisco, CA 94102
Phone: (415) 392-8000
Website: www.parc55hotel.com

Clift Hotel

495 Geary St
San Francisco, CA 94102
Phone: (415) 775-4700
Website: <https://www.morganshotelgroup.com/originals/originals-clift-san-francisco>

TAXI SERVICE

There is taxi stand located in the hotel's main entrance – guests may ask Valet staff to assist them. You may also dial Yellow Cab Co-op at (415) 333-3333 to order a taxi.

Rideshare with Uber and Lyft is also available by downloading the apps on your mobile device.

PARKING

Self-Parking is available at the Hilton San Francisco for \$55 + tax.

Valet parking for regular sized vehicles is \$67 + tax.

Dining Options

There are many great dining options in close proximity to the Hilton San Francisco Union Square, as illustrated below. Please see the hotel concierge for directions to any of the restaurants listed below. Additional Points of Interest and Dining/Entertainment Maps are also available at the Registration desk.

Burrit Room + Tavern

(415) 400-0561
417 Stockton St, San Francisco, CA 94108
New American/Steakhouse
0.5 miles

Café De La Presse

(415) 398-2680
352 Grant Avenue, San Francisco CA 94108
French
0.6 miles

E&O Asian Kitchen

(415) 693-0303
314 Sutter Street, San Francisco, CA 94108
Asian Fusion
0.5 miles

Farallon

(415) 956-6969
450 Post St, San Francisco, CA 94102
Seafood
0.2 miles

First Crush

(415) 982-7874
101 Cyril Magnin St, San Francisco, CA 94102
American French
0.2 miles

Hakkasan

(415) 829-8148
1 Kearny St, San Francisco, CA 94108
Chinese
0.5 miles

Jasper's Corner Tap and Kitchen

(415) 775-7979
401 Taylor St, San Francisco, CA 94102
American
0.1 miles

John's Grill

(415) 986-0069
63 Ellis St, San Francisco, CA 94102
American
0.3 miles

Le Colonial

(415) 931-3600
20 Cosmo Pl, San Francisco, CA 94109
Vietnamese
0.2 miles

Morton's Steakhouse

(415) 986-5830
400 Post St. Lower Level, San Francisco, CA 94102
Steakhouse
0.3 miles

Puccini & Pinetti

(415) 392-5500
129 Ellis St, San Francisco, CA 94102
Italian
0.2 miles

Sons & Daughters

(415) 391-8311
708 Bush Street, San Francisco, CA 94108
Farm to Table
0.4 miles



AMERICAN COCHLEAR IMPLANT ALLIANCE

Research, Advocacy, Awareness

THANK YOU FOR ATTENDING!



CI2018
EMERGING ISSUES

MARCH 7-10, 2018 / WASHINGTON DC

CI2018 Emerging Issues in Cochlear Implantation Symposium



CI2019
MIAMI

JULY 11-13, 2019 / MIAMI, FL

CI2019 Pediatric: 16th Symposium on Cochlear Implants in Children

Scientific Program Chairs:

Fred Telischi, MD and Ivette Cejas, PhD
University of Miami Health System / Ear Institute

SPRING 2020 / ORLANDO, FL

CI2020 International: 16th International Conference on Cochlear Implants and Other Implantable Technologies

Scientific Program Chairs:

University of North Carolina

Schedule at a Glance

WEDNESDAY, JULY 26, 2017

12:00 PM - 1:30 PM	Industry Satellite Symposium
2:00 PM - 3:30 PM	Industry Satellite Symposium
4:00 PM - 5:30 PM	Industry Satellite Symposium

THURSDAY, JULY 27, 2017

7:30 AM - 8:30 AM	Industry Satellite Symposium with Breakfast
8:40 AM - 9:10 AM	Opening Ceremonies
9:10 AM - 10:10 AM	John Niparko Memorial Lecture: Bruce Gantz, MD "When Should We Attempt to Preserve Residual Acoustic Hearing in Children?"
10:10 AM - 10:40 AM	Coffee Break with Exhibitors
10:40 AM - 11:55 AM	Concurrent Abstract Sessions and Panels (3)
11:55 AM - 12:55 PM	Lunch with Exhibitors
12:55 PM - 2:10 PM	Concurrent Abstract Sessions and Panels (3)
2:10 PM - 2:40 PM	Coffee Break
2:40 PM - 3:35 PM	Concurrent Abstract Sessions and Panels (3)
3:35 PM - 4:15 PM	Concurrent Poster Highlights
4:15 PM - 5:30 PM	Poster Session
5:30 PM - 7:00 PM	Welcome Reception

FRIDAY, JULY 28, 2017

7:30 AM - 8:30 AM	Industry Satellite Symposium with Breakfast
8:40 AM - 9:30 AM	ACI Alliance Member Meeting
9:30 AM - 10:00 AM	Keynote Speaker: Michael Merzenich, PhD "Brain Plasticity and Cochlear Implants"
10:00 AM - 10:30 AM	Keynote Speaker: Monita Chatterjee, PhD "The Music within Speech: Voice Emotion and Cochlear Implants"
10:30 AM - 11:00 AM	Coffee Break with Exhibitors
11:00 AM - 12:15 PM	Concurrent Abstract Sessions and Panels (3)
12:15 PM - 1:15 PM	Lunch with Exhibitors
1:15 PM - 2:30 PM	Concurrent Abstract Sessions and Panels (3)
2:30 PM - 3:00 PM	Coffee Break with Exhibitors
3:00 PM - 4:00 PM	Concurrent Abstract Sessions and Panels (3)
4:10 PM - 5:10 PM	Concurrent Abstract Sessions (3)

SATURDAY, JULY 29, 2017

7:30 AM - 8:30 AM	Industry Satellite Symposium with Breakfast
8:40 AM - 9:10 AM	Keynote Speaker: Charles Della Santina, MD, PhD "First-in-human Trial of the Labyrinth Devices MVI™ Multichannel Vestibular Implant System- Early Results"
9:10 AM - 9:40 AM	Keynote Speaker: Anne Fernald, PhD "The Growth of Language Understanding in the First 3 Years is Critical: How to Support It and How to Measure It"
9:40 AM - 9:57 AM	Invited Talk: Andrea Warner-Czyz, PhD "Maximizing Early Cochlear Implant Benefits Using Spoken Language"
9:57 AM - 10:15 AM	Coffee Break
10:15 AM - 11:35 AM	Technology Panel: Cochlear Implants and Technology: How Do We Bridge the Gap?
11:40 AM - 12:40 PM	Concurrent Abstract Sessions (3)
12:40 PM	Meeting Adjourns
1:00 PM - 4:00 PM	Post-Conference Consumer Workshop: "Cochlear Implants: The Science of Restoring Sound"