

**POSTER SESSION Th:****THURSDAY –8AM TO MIDNIGHT**

- Th01a: COMPUTER ASSISTED SELECTION OF ELECTRODE DEACTIVATION IN CI USERS: Elad Sagi, Mario Svirsky
- Th01b: REDEFINING THE NUMBER OF EFFECTIVE CHANNELS FOR CONTEMPORARY COCHLEAR IMPLANT LISTENERS: Naomi B.H. Croghan, Sara I. Duran, Zachary M. Smith
- Th02: EARLY IMPLANTATION IMPROVES VOCAL-TRACT LENGTH PERCEPTION FOR VOICE DISCRIMINATION IN ADULTS WITH PRE-LINGUAL DEAFNESS : Yael Zaltz, Raymond L. Goldsworthy, Liat Kishon-Rabin, Laurie S. Eisenberg
- Th03a: COCHLEAR-IMPLANTS IN THE ELDERLY : Mark Praetorius, Sebastian Hoth, Sara Friauf
- Th03b: COCHLEAR IMPLANT USERS AND THEIR ABILITY TO RECALL SPEECH IN NOISY ENVIRONMENT: Hanna Boenitz, Dorothea Wendt, Mareike Finke, Alejandro Lopez Valdes, Bjorn Lyxell, Andreas Buechner, Thomas Lunner
- Th04a: NEW PERSPECTIVES ON THE CONTRIBUTION OF MUSIC ACTIVITIES TO THE PERCEPTION OF SPEECH AND LANGUAGE DEVELOPMENT IN CHILDREN WITH CIS: Ritva Torppa, Andrew Faulkner
- Th04b: INCREASED QUALITY OF THE AUDIOVISUAL SPEECH SIGNAL REDUCES SENSITIVITY TO AUDIOVISUAL ONSET ASYNCHRONY : Antoine J Shahin, Hannah Shatzer, Jess R Kerlin, Stanley Shen, Mark A Pitt
- Th05: SPECTRO-TEMPORAL TRANSMISSION OF SPEECH FORMANTS IN A NEW COCHLEAR IMPLANT SOUND CODING STRATEGY – MEASUREMENTS AND PREDICTIONS OF VOWEL PERCEPTION: Anja Eichenauer, Mathias Dietz, Tim Juergens
- Th06a: PROCESSING SPOKEN WORDS WITH AND WITHOUT SEMANTIC CONTEXT: EFFECTS OF SPECTRAL DEGRADATION AND COCHLEAR IMPLANTATION: Chhayakanta Patro, Lisa Lucks Mendel
- Th06b: SPECTRAL RESOLUTION AND SPEECH CONTEXT EFFECTS IN COCHLEAR-IMPLANT USERS: Lei Feng, Andrew J Oxenham
- Th07a: THE IMPACT OF PERCEPTUAL CUE WEIGHTING STRATEGY ON SPEECH PERCEPTION AND LISTENING EFFORT FOR CI USERS: Yue Zhang, Stuart Rosen
- Th07b: EXTENDING FEATURE INFORMATION TRANSMISSION ANALYSIS (FITA): NEW APPROACHES AND APPLICATIONS: Dirk JJ Oosthuizen, Johan J Hanekom
- Th08a: PREDICTING SPEECH RECOGNITION USING THE SPEECH INTELLIGIBILITY INDEX (SII) FOR COCHLEAR IMPLANT USERS AND LISTENERS WITH NORMAL HEARING: Sungmin Lee, Lisa Lucks Mendel
- Th08b: A COMPARISON OF PREDICTORS OF COCHLEAR IMPLANT SPEECH INTELLIGIBILITY: Greg D Watkins, Brett A Swanson, Gregg JA Suaning
- Th09a: IMPACT OF ROOM ACOUSTIC PARAMETERS ON SPEECH AND MUSIC PERCEPTION WITH COCHLEAR IMPLANTS: Bernhard Eurich, Michael Oehler, Thomas Klenzner
- Th09b: EFFECT OF REVERBERATION ON SPEECH INTELLIGIBILITY IN COCHLEAR IMPLANT RECIPIENTS CONSIDERING REALISTIC SOUND ENVIRONMENTS: Javier Badajoz Davila, Jorg M. Buchholz, Richard Van Hoesel, Michael Goorevich
- Th10a: THE ROLE OF SPECTRAL RESOLUTION IN COCHLEAR IMPLANT PROCESSING UNDER COCKTAIL-PARTY SCENARIOS: Nawal El Boghdady, Florian Langner, Waldo Nogueira, Deniz Baskent, Etienne Gaudrain
- Th10b: COMPUTER-BASED CONNECTED TEXT TRAINING OF SPEECH PERCEPTION IN NOISE FOR COCHLEAR IMPLANT USERS: Tim Green, Stuart Rosen, Andrew Faulkner
- Th11a: PERFORMANCE TESTING WITHOUT THE SOUND BOOTH: Saji Maruthurkkara
- Th11b: VOWEL PERCEPTION IN A DENSELY-POPULATED SPACE: BEHAVIORAL AND EEG INDICES OF VOWEL IDENTIFICATION BY ADULT CI LISTENERS: David Jackson Morris, John Toendering, Soeren Kamaric Riis, Nicolai Pharao, Christian Stender Simonsen
- Th12a: SPEECH PERFORMANCE PLATEAU IN PRELINGUALLY AND POSTLINGUALLY DEAFENED ADULT COCHLEAR IMPLANT USERS : Veronique JC Kraaijenga, Adriana L Smit, Gijsbert A van Zanten

- Th12b: EARLY SENTENCE RECOGNITION IN ADULT COCHLEAR IMPLANT USERS: Chris James , Chadlia Karoui, Mathieu Marx, Marie-Laurence LABORDE, Charles-Edouard MOLINIER, Benoit LEPAGE, Olivier DEGUINE, Bernard ESCUDE, Bernard FRAYSSE
- Th13a: THE DECISION BETWEEN DIRECT ACOUSTICAL COCHLEAR STIMULATION AND COCHLEAR IMPLANTATION: A RETROSPECTIVE ANALYSIS OF RESULTS: Thomas Lenarz, Eugen Kludt, Andreas Buechner, Hannes Maier
- Th13b: EVALUATION OF THE LOW POWER SPEECH CODING STRATEGY MP3000™: Eugen Kludt, Pamela Dawson, Mark Schuessler, Kerrie Plant, Robert Cowan, Thomas Lenarz, Andreas Buechner
- Th14a: ADVANCED TONE-VOCODER SIMULATIONS OF THE EFFECT OF CURRENT SPREAD ON COCHLEAR IMPLANT USERS' SPEECH INTELLIGIBILITY - IMPLICATIONS FOR THE CHANNEL INTERLEAVING STRATEGY: Jacques A Grange, John F Culling
- Th14b: "TURN AN EAR TO HEAR": HOW A MODEST HEAD ORIENTATION AWAY FROM A TARGET TALKER CAN IMPROVE COCHLEAR IMPLANT USERS' SPEECH INTELLIGIBILITY IN NOISE, EVEN IN A HIGHLY REALISTIC RESTAURANT SIMULATION: Jacques A Grange, John F Culling
- Th15: ROLE OF COGNITIVE FACTORS IN VARIABILITY OF HEARING OUTCOMES IN COCHLEAR IMPLANT USERS AND NORMAL-HEARING LISTENERS WITH SIMULATED CURRENT SPREAD: Erin R O'Neill, Heather A Kreft, Andrew J Oxenham
- Th16: HOW CLOSE CAN WE GET TO A REAL CI WITH ACOUSTIC SIMULATION?: Chadlia KAROUI, MATHIEU MARX, Chris JAMES, Olivier MACHEREY
- Th17a: BIOINFORMATIC ANALYSIS OF THE HUMAN INNER EAR: UNDERSTANDING THE STATUS OF THE PERIPHERAL AUDITORY SYSTEM IN COCHLEAR IMPLANTATION: Hinrich Staecker, Thomas Lenarz, Sameer Alvi, Nils Prenzler, Martin Durisin
- Th17b: THE BIMODAL BENEFIT ON SPEECH UNDERSTANDING IN FLUCTUATING AND STATIC NOISE: Hendrik C. Stronks, Annemarie J. Schrijver, Jeroen J. Briaire, Johan J. H. M. Frijns
- Th18a: REVEALING PHONETIC UNCERTAINTY IN COCHLEAR IMPLANT LISTENERS: Steven P Gianakas, Matthew B Winn
- Th18b: SEVERE DEFICITS IN PERCEPTION OF ANTICIPATORY COARTICULATION IN COCHLEAR IMPLANT LISTENERS: Steven P Gianakas, Matthew B Winn
- Th19a: ADJUSTMENT TO VARIABLE VOICE ACOUSTICS BY COCHLEAR IMPLANT LISTENERS: Ashley N Moore, Matthew B Winn
- Th19b: VOICE EMOTION RECOGNITION BY MANDARIN-SPEAKING PEDIATRIC COCHLEAR IMPLANT USERS: Hui-Ping Lu, Shu-Chen Peng, Mickael L.D. Deroche, Monita Chatterjee, Yung-Song Lin
- Th20: REDUCING SIMULATED CHANNEL INTERACTION LEADS TO IMPROVED SPEECH PERCEPTION FOR NORMAL-HEARING CHILDREN AND ADULTS: Kelly N Jahn, Julie G Arenberg
- Th21a: ACCESSIBILITY OF SPEECH INFORMATION AT VARIOUS SIGNAL-TO-NOISE RATIOS IN COCHLEAR IMPLANT PROCESSING: Smits Cas, Theo S Govers, Lucas Stam
- Th21b: SPATIAL RELEASE FROM INFORMATIONAL AND ENERGETIC MASKING IN BIMODAL AND BILATERAL CI USERS: Kristen D'Onofrio, Rene Gifford
- Th22a: THE RELATIONSHIP BETWEEN SPECTRAL MODULATION DETECTION AND SPEECH RECOGNITION: ADULT VERSUS PEDIATRIC IMPLANT RECIPIENTS: Rene Headrick Gifford, Jack Noble, Stephen Camarata, Linsey Sunderhaus, Robert Dwyer, Benoit Dawant, Robert Labadie
- Th22b: HOW WELL DO ADOLESCENTS WITH COCHLEAR IMPLANTS LEARN A SECOND LANGUAGE IN HIGH SCHOOL?: Dorit Enja Jung, Wander M Lowie, Deniz Baskent, Anastasios Sarampalis
- Th23: THE NOVEL COMBINED LINGUISTIC AND INDEXICAL SPEECH PERCEPTION ASSESSMENT (CLISPA) REVEALS BOTTLENECKS IN THE PERCEPTION AND INTEGRATION OF SPEECH CUES BY COCHLEAR IMPLANTS: Jack E. Burgeson, Michael J Ye, Charles W Yates, Chad V Ruffin
- Th24: RELATIONSHIP BETWEEN NUMBER OF ACTIVE ELECTRODES, ELECTRODE-TO-MODIOLUS DISTANCE, AND SPEECH PERCEPTION OUTCOMES IN ADULTS WITH COCHLEAR IMPLANTS: Katelyn Berg, Jack Noble, Benoit Dawant, Robert Labadie, Rene Gifford

- Th25: SELF-EXPLORATION OF MAPS BY COCHLEAR IMPLANT USERS : Bomjun Kwon, Laura Holden, Brynn Lopez, Jeffrey Cooper, Timothy Holden, Jill Firszt
- Th26a: INSIGHTS INTO SPEECH UNDERSTANDING BY COCHLEAR IMPLANT AND BIMODAL LISTENERS GAINED FROM ROVING LEVEL AND HARMONIC AND DISHARMONIC INTONATION TESTS: Patrick J Boyle, Hilal Dincer DAlessandro
- Th26b: PERCEIVED SOUND QUALITY OF NOISY AND NOISE REDUCED SPEECH: Muhammad Mohid Nabil, Hussnain Ali, Chin-Tuan Tan
- Th27a: THE EFFECT OF LATERAL WALL VS. PERIMODIOLAR ARRAYS ON AUDIOLOGIC OUTCOMES: Brittany K Wilson, Corey S Shayman
- Th27b: SUBJECTIVE SELF-ASSESSMENT OF BIMODAL FUSION: Niclas A. Janssen, Andreas Buechner, Lars Bramslow, Soeren K. Riis, Jeremy Marozeau
- Th28a: INTERAURAL TIME DIFFERENCE PERCEPTION WITH A COCHLEAR IMPLANT AND ONE NORMAL EAR: Tom Francart, Konstantin Wiebe, Thomas Wesarg
- Th28b: USING BINAURAL BEAT SENSITIVITY TO PROBE BINAURAL SENSITIVITY AND SPECTRAL MATCHING IN PEOPLE WITH SINGLE-SIDED DEAFNESS AND A COCHLEAR-IMPLANT: Coral Dirks, Douglas Sladen, Joshua Bernstein, Peggy Nelson, Andrew Oxenham
- Th29a: RELIABILITY AND LEAD LEACHING OF PZT INTRA COCHLEAR MICROACTUATORS: Yifeng Liu, Guozhong Cao, Clifford R. Hume, Steve I.Y. Shen
- Th29b: PRESERVATION OF RESIDUAL HEARING AFTER ELECTRODE INSERTION BY TOPICAL APPLICATION OF IGF-1: Takayuki Nakagawa, Norio Yamamoto, Koji Nishimura, Kohei Yamahara, Hideaki Ogita, Juichi Ito, Koichi Omori
- Th30a: TODDLERS WITH SINGLE SIDED DEAFNESS AND A COCHLEAR IMPLANT: FIRST RESULTS: Astrid van Wieringen, Anouk Sangen, Christian Desloovere, Jan Wouters
- Th30b: BENEFITS OF COCHLEAR IMPLANTATION FOR SINGLE SIDED DEAFNESS: PRELIMINARY DATA FROM THE HOUSE CLINIC-USC-UCLA FDA TRIAL: John J Galvin, Qian-jie Fu, Eric P. Wilkinson, Dawna Mills, Suzannah Hagan, Eric Lupo, Monica Padilla, Robert V Shannon
- Th31a: PRELIMINARY DATA ON INTRA- AND POSTOPERATIVE ELECTROCOCHLEOGRAPHIC RECORDINGS VIA THE ADVANCED BIONICS COCHLEAR IMPLANT SYSTEM: Carolin Frohne-Buechner, Michael Bardt, Sabine Haumann, Patrick Boyle, Gunnar Geissler, Kanthaiiah Koka, Rolf Salcher, Thomas Lenarz, Andreas Buechner
- Th31b: LONG TERM MONITORING OF THE INNER EAR FUNCTION DURING AND AFTER COCHLEAR IMPLANT INSERTION USING COCHLEAR MICROPHONICS: Sabine Haumann, Marina Imsiecke, Rolf Benedikt Salcher, Andreas Buechner, Hannes Maier, Thomas Lenarz
- Th32: POSTOPERATIVE ELECTROCOCHLEOGRAPHY FROM HYBRID COCHLEAR IMPLANT USERS: AN ALTERNATIVE ANALYSIS PROCEDURE : Jeong-Seo Kim, Viral D Tejani, Paul J Abbas, Carolyn J Brown
- Th33a: A POTENTIAL PHYSIOLOGICAL CORRELATE OF ELECTRIC-ACOUSTIC PITCH MATCHING IN COCHLEAR IMPLANT USERS: Chin-Tuan Tan, Brett Martin, Mario Svirsky
- Th33b: PITCH MATCHING BETWEEN EARS IN PATIENTS WITH NORMAL HEARING CONTRALATERAL TO A COCHLEAR IMPLANT: Margaret Dillon, Emily Buss, Meredith Anderson
- Th34a: BILATERAL EFFECTS IN THE CENTRAL AUDITORY SYSTEM AFTER UNILATERAL COCHLEAR IMPLANTATION OF SINGLE-SIDE DEAFENED GUINEA PIGS: Dietmar Basta, Sebastian Jansen, Patrick Boyle, Moritz Groeschel, Arne Ernst
- Th34b: PLACE-ADAPTED STIMULATION RATE CAN RESTORE THE TONOTOPIC RELATIONSHIP IN THE SECOND COCHLEAR TURN: Uwe Baumann, Youssef Adel, Saba Geraldine, Tobias Weissgerber, Tobias Rader
- Th35a: LONGITUDINAL RESULTS FOR ADULT COCHLEAR IMPLANT RECIPIENTS WITH ASYMMETRIC HEARING LOSS: Jill B. Firszt, Ruth M. Reeder, Laura K. Holden, Noel Y. Dwyer
- Th35b: SPATIAL RELEASE FROM MASKING IN ACTUAL AND SIMULATED BIMODAL AND SINGLE-SIDED DEAF COCHLEAR IMPLANT LISTENERS: Ben Williges, Thomas Wesarg, Lorenz Jung, Leontien Geven, Andreas Radeloff, Tim Juergens
- Th36a: INTEGRATION OF ACOUSTIC AND ELECTRIC HEARING IS BETTER IN THE SAME EAR THAN ACROSS EARS: Qian-Jie Fu, John J Galvin, Xiaosong Wang

- Th36b: COMPUTER MODELS SUGGEST OPTIMAL CHOICE OF CROSS-OVER FREQUENCY FOR IPSILATERAL ELECTROACOUSTIC LISTENER'S SPEECH INTELLIGIBILITY: Ladan Zamaninezhad, Volker Hohmann, Tim Juergens
- Th37a: REDUCTION IN HAIR CELL LOSS AFTER COCHLEAR IMPLANTATION FOLLOWING PRE-TREATMENT BY NEAR-INFRARED-LIGHT: Moritz Groeschel, Ira Struebing, Dan Jiang, Patrick Boyle, Arne Ernst, Dietmar Basta
- Th37b: HEARING PRESERVATION COCHLEAR IMPLANTATION WITH DIFFERENT TYPES OF ELECTRODES: Thomas Lenarz, Rolf Salcher, Melanie Leifholz, Anke Lesinski-Schiedat, Marie Charlot Suhling, Andreas Buechner
- Th38a: RANDOMIZED CONTROLLED TRIAL ON COCHLEAR IMPLANTATION VERSUS CONTRALATERAL ROUTING OF SOUND SYSTEMS AND BONE CONDUCTION DEVICES FOR SINGLE-SIDED DEAFNESS: Jeroen P.M. Peters, Anne W Wendrich, Ruben H.M. van Eijl, Huib Versnel, Koen S. Rhebergen, Wilko Grolman
- Th38b: THE SOUND OF A COCHLEAR IMPLANT INVESTIGATED IN PATIENTS WITH SINGLE-SIDED DEAFNESS AND A COCHLEAR IMPLANT: Jeroen P.M. Peters, Anne W. Wendrich, Ruben H.M. van Eijl, Huib Versnel, Koen S. Rhebergen, Wilko Grolman
- Th39: ELECTROPHONIC AND ELECTRONEURAL RESPONSE IN THE INFERIOR COLLICULUS: Mika Sato, Peter Baumhoff, Jochen Tillein, Andrej Kral
- Th40a: EFFECT OF FREQUENCY COMPRESSION ON SPATIAL HEARING OF BIMODAL LISTENERS: Snandan Sharma, Marc M van Wanrooij, A John van Opstal, Ad F M Snik, Joseph Chalupper, Lucas H M Mens, Andreas Buchner, Waldo Nogueira
- Th40b: EFFECTS OF COMPRESSION IN VOCODER SIMULATIONS OF COCHLEAR IMPLANTS FOR SINGLE-SIDED DEAFNESS IN VIRTUAL COCKTAIL PARTY ENVIRONMENTS.: Jessica Wess, Joshua Bernstein
- Th41: THE INCONSISTENCY OF DIFFERENT MEASURES OF INTERAURAL PLACE-OF-STIMULATION FOR COCHLEAR-IMPLANT USERS WITH SINGLE-SIDED DEAFNESS. : Olga A. Stakhovskaya, Gerald I. Schuchman, Matthew J. Goupell, Joshua G.W. Bernstein
- Th42a: SHEEP AS A LONG-TERM SURVIVAL MODEL FOR HEARING PRESERVATION COCHLEAR IMPLANT EVALUATION: PILOT ELECTROPHYSIOLOGICAL OUTCOMES: Viral Tejani, Christopher Kaufmann, Paul Abbas, Douglas Fredericks, Marlan Hansen
- Th42b: RELATIONSHIP BETWEEN POST-OPERATIVE ELECTROCOCHLEOGRAPHY AND GENETIC PHENOTYPE IN HYBRID COCHLEAR IMPLANT USERS: Viral Tejani, Eliot Shearer, Carolyn Brown, Paul Abbas, Richard Smith
- Th43: SINGLE-SIDED DEAFNESS PATIENTS TEACH US WHAT A COCHLEAR IMPLANT SOUNDS LIKE: Annette M. Zeman, Mahan Azadpour, Elad Sagi, Jonathan D. Neukam, Mario A. Svirsky
- Th44a: INTERACTION OF ELECTRIC AND ACOUSTIC STIMULATION AND ITS EFFECT ON BINAURAL CUES AND SPATIAL RELEASE FROM MASKING: Timothy J Davis, Rene Gifford
- Th44b: ADAPTATION TO FREQUENCY-PLACE FUNCTIONS IN SINGLE-SIDED DEAFNESS LISTENERS: Jonathan Neukam, Mahan Azadpour, Elad sagi, Annette Zeman, Mario Svirsky
- Th45a: MEASUREMENT OF ACOUSTIC AND ELECTRIC BIASING OF ELECTROPHONIC RESPONSE IN THE GUINEA-PIG INFERIOR COLLICULUS: Attila Frater, Soren Kamaric Riis, Patrick Maas, Torsten Marquardt
- Th45b: SPEECH INTELLIGIBILITY IN NOISE FOR LISTENERS WITH SINGLE-SIDED DEAFNESS WITH AND WITHOUT A COCHLEAR IMPLANT IN THE CONTRALATERAL EAR: Shelly P. Godar, Sara M. Misurelli, Tanvi D. Thakkar, Erin Nelson, Daniel J. Lee, Douglas P. Sladen, Ruth Y. Litovsky
- Th46a: CAN A LATE HEARING LOSS AFTER HYBRID-L IMPLANTATION BE PREDICTED BY IMPEDANCE CHANGES?: Gerrit Paasche, Simon Konrad, Thomas Lenarz, Andreas Buechner
- Th46b: THE COCHLEAR CATHETER FOR CELL AND DRUG DELIVERY DURING COCHLEAR IMPLANTATION: Athanasia Warnecke, Nils Prenzler, Rolf Salcher, Ariane Roemer, Melanie Leifholz, Lutz Gaertner, Anke Lesinski-Schiedat, Thomas Lenarz