

**POSTER SESSION T:****TUESDAY-8AM TO MIDNIGHT**

- T01a: CHARTING DEVELOPMENTAL CHANGES IN AUDITORY AND VISUAL EVOKED POTENTIALS IN CHILDREN WITH COCHLEAR IMPLANTS: Kristina C. Backer, Andrew S. Kessler, Sharon Coffey-Corina, Laurel A. Lawyer, Lee M. Miller, David P. Corina
- T01b: ENVELOPE FOLLOWING RESPONSES IN COCHLEAR IMPLANTS.: Anna Samsel, Michael Hofmann, Astrid van Wieringen, Jan Wouters
- T02a: ANALYZING THE CURRENT DISTRIBUTIONS OF THE MULTI-MODE GROUNDING COCHLEAR STIMULATION: Kai Dang, Pierre Stahl, Clair Vandersteen, Nicolas Guevara, Dan Gnansia, Maureen Clerc
- T02b: SPEECH PERCEPTION OUTCOMES IN OLDER ADULTS WITH COCHLEAR IMPLANTS: PERIPHERAL VERSUS CENTRAL-AUDITORY CONTRIBUTIONS: Yael Henkin, Yifat Yaar-Soffer, Minka Hildesheimer, Ricky Kaplan-Neeman, Chava Muchnik
- T03a: COMPARISON OF ARTIFACT SUPPRESSION METHODS FOR THE MEASUREMENT OF ELECTRICALLY EVOKED AUDITORY STEADY- STATE RESPONSES: Hanne Deprez, Robin Gransier, Michael Hofmann, Astrid van Wieringen, Marc Moonen, Jan Wouters
- T03b: OBJECTIVE MEASURES TO ASSESS DIRECT ACOUSTIC COCHLEAR IMPLANT FUNCTIONING: ARTIFACT CHARACTERIZATION AND INTRA-OPERATIVE ABR AND ASSR MEASUREMENTS: Hanne Deprez, Robin Gransier, Michael Hofmann, Marc Moonen, Jan Wouters, Nicolas Verhaert
- T04: MEASURING COCHLEAR IMPLANT CHANNEL INTERACTIONS WITH ELECTRICAL AUDITORY BRAINSTEM RECORDINGS (EABRS) AND THEIR RELATIONSHIP TO SPEECH PERCEPTION OUTCOMES.: Nicolas Guevara, Michel Hoen, Eric Truy, Stephane Gallego
- T05: EPIDURAL RECORDINGS OF AUDITORY EVOKED POTENTIALS IN COCHLEAR IMPLANT USERS: Sabine Haumann, Guenther Bauernfeind, Magnus Johannes Teschner, Martin Georg Bleichner, Jochem Rieger, Thomas Lenarz
- T06a: COMPARISON OF RESULTS BETWEEN THE BEHAVIORAL MEASURES AND OBJECTIVE MEASURES TO IDENTIFY AUDITORY TEMPORAL AND SPECTRAL RESOLUTION IN COCHLEAR IMPLANT USERS: Soojin Kang, Sung Hoon Yoon, Jihwan Woo, Sung Hwa Hong, Il Joon Moon
- T06b: FREQUENCY FOLLOWING RESPONSES IN COCHLEAR IMPLANT USERS : Jana Van Canneyt, Michael Hofmann, Tom Francart, Jan Wouters
- T07a: DISCRIMINATION OF LING 6 SOUNDS USING ACOUSTIC CHANGE COMPLEX (ACC): Sarah A. Klemuk, Eun Kyung Jeon, Carolyn Brown, Paul Abbas
- T07b: THE ACOUSTIC CHANGE COMPLEX AND ITS RELATION TO SPEECH PERCEPTION IN NOISE IN HEARING-IMPAIRED SUBJECTS : Marc Lammers, Bernard Vonck, Wilko Grolman, Gijsbert van Zanten, Huib Versnel
- T08: BRAIN ACTIVITIES DIFFER IN ACOUSTIC AND ELECTRIC HEARING ELICITED BY FREQUENCY CHANGES: Chun Liang, Fawen Zhang
- T09a: MEASURING CENTRAL AUDITORY PLASTICITY IN ADULT COCHLEAR IMPLANT USERS WITH THE AUDITORY CHANGE COMPLEX: Rajeev Mathew, Jaime Undurraga, Patrick Boyle, Azhar Shaida, David Selvadurai, Dan Jiang, Deborah Vickers
- T09b: USING FUNCTIONAL NEAR-INFRARED SPECTROSCOPY (FNIRS) TO UNDERSTAND, BRAIN PLASTICITY, AUDIOVISUAL INTEGRATION AND FOR AUTOMATED PROGRAMMING OF COCHLEAR IMPLANTS: Colette M McKay, Hamish Innes-Brown, Mehrnaz Shoushtarian, Xin Zhou, Stefan Weder
- T10: FROM THE AUDITORY NERVE TO THE AUDITORY CORTEX IN A COCHLEAR IMPLANTED ANIMAL MODEL: HOW ARE VARIABLES OF THE ELECTRIC WAVEFORM REPRESENTED?: Charlotte Amalie Navntoft, Jeremy Marozeau, Tania Rinaldi Barkat
- T11a: DOES CYTOMEGALOVIRUS IN EARLY DEVELOPMENT AFFECT CORTICAL BRAIN OSCILLATIONS EVOKED BY COCHLEAR IMPLANTS? : Homira Osman, Melissa Polonenko, Sharon Cushing, Blake Papsin, Karen Gordon
- T11b: A COCHLEAR IMPLANT BASED PER-OPERATIVE AUDITORY NERVE MONITORING PROTOTYPE FOR SURGICAL MANAGEMENT OF ACOUSTIC NEUROMA: PRELIMINARY

- DATA FROM CLINICAL TRIAL: Christophe Vincent, Dan Gnansia, Saai Sonia, Olivier Sterkers, Sebastien Schmerber, Vincent Darrouzet, Eric Truy
- T12: AUTOMATED SEGMENTATION OF COCHLEAR WALLS FROM CLINICAL CT SCANS: Michael Siebrecht, Jeroen J. Briaire, Johan H.M. Frijns
- T13: FUNCTIONAL CONNECTIVITY OF LISTENING NETWORKS IN EXPERIENCED BILATERAL COCHLEAR IMPLANT USERS: Daniel Alexander Smieja, Benjamin T. Dunkley, Blake K. Papsin, Karen A. Gordon
- T14a: NEURAL ENTRAINMENT TO THE SPEECH ENVELOPE WITH A COCHLEAR IMPLANT: Ben Somers, Eline Verschueren, Jan Wouters, Tom Francart
- T14b: THE RELATIONSHIP BETWEEN INTENSITY MODULATION FOLLOWING RESPONSES AND BEHAVIORAL THRESHOLDS: Jaime A. Undurraga, Fabrice Bardy, Lindsey Van Yper, Bram Van Dun, David McAlpine
- T15a: THE EFFECTS OF INTERAURAL LEVEL DIFFERENCES ON FUSION IN ADULTS WITH NORMAL-HEARING AND BILATERAL COCHLEAR IMPLANTS: Bess Glickman, Yonghee Oh, Lina A.J. Reiss
- T15b: BINAURAL PITCH FUSION IN CHILDREN WITH NORMAL-HEARING, HEARING AIDS, AND COCHLEAR IMPLANTS: Curtis Hartling, Bess Glickman, Jennifer Fowler, Gemaine Stark, Laurel Richardson, Marissa Montejano, Yonghee Oh, Lina Reiss
- T16: DEVELOPMENT OF THE STRIPES TEST AS A MEASURE OF SPECTRO-TEMPORAL PROCESSING AND THE EFFECT OF STIMULATION MODE ON COCHLEAR-IMPLANT LISTENER PERFORMANCE ON SPECTRO-TEMPORAL AND SPEECH TESTS: Alan W Archer-Boyd, Wendy S Parkinson, Heather A Kreft, John M Deeks, Richard E Turner, Andrew J Oxenham, Julie A Bierer, Robert P Carlyon
- T17a: REDUCTION IN CHANNEL INTERACTION FROM STIMULATION FOCUSING IN THE COCHLEA DEPENDS ON STIMULATION PULSE RATE: Mahan Azadpour, Mario A. Svirsky
- T17b: EXAMINING SPATIAL NEURAL EXCITATION PATTERNS WITH VARYING STIMULATION RATE IN COCHLEAR IMPLANT USERS: Lixue Dong, Juliana Mathews, Ning Zhou
- T18a: FACTORS AFFECTING RATE SENSITIVITY IN COCHLEAR IMPLANT USERS: Susan Rebekah Subrahmanyam Bissmeyer, Shaikat Hossain, Raymond L Goldsworthy
- T18b: RATE MODULATION DETECTION THRESHOLDS FOR COCHLEAR IMPLANT USERS: Tim Brochier, Colette McKay, Hugh McDermott
- T19a: AMPLITUDE MODULATION SENSITIVITY AND INCREMENT/DECREMENT DETECTION IN COCHLEAR IMPLANTS: Adam K Bosen, aditya M Kulkarni, Monita Chatterjee
- T19b: CURRENT FOCUSING INCREASES SPATIAL DEPENDENCE OF LOUDNESS SUMMATION IN ELECTRIC HEARING: Sara I Duran, Zachary M Smith
- T20: ONGOING VOCAL CORRECTIONS TO BRIEF LOUDNESS SHIFTS: VOICE STABILIZATION MECHANISMS : Abigail C Buente, Justin M. Aronoff, Melanie J. Samuels, Torrey M. Loucks
- T21a: THE EFFECT OF AN ORAL MODULATOR OF FAST-ACTING POTASSIUM CHANNELS ON TEMPORAL PROCESSING BY COCHLEAR IMPLANT USERS: Robert P Carlyon, Francois Guerit, Wiebke Lamping, Alexander J Billig, Peter Harris
- T21b: ALIASING OF SPECTRAL RIPPLES THROUGH CI PROCESSORS: A CHALLENGE TO THE INTERPRETATION OF CORRELATION WITH SPEECH RECOGNITION SCORES: Gabrielle OBrien, Matthew B Winn
- T22: MODULATION DETECTION INTERFERENCE IN COCHLEAR IMPLANT LISTENERS WITHIN A FORWARD MASKING PARADIGM: Monita Chatterjee, Aditya M Kulkarni
- T23: THE CHRONICALLY IMPLANTED DTR MOUSE AS A MODEL FOR STUDIES OF MECHANISMS OF COCHLEAR IMPLANT FUNCTION: Deborah Colesa, Bryan Pfingst, Yehoash Raphael
- T24: USING FOCUSED ELECTRICAL FIELDS TO REDUCE CHANNEL INTERACTION FOR DISTANT ELECTRODES IN COCHLEAR IMPLANT LISTENERS : Lindsay DeVries, Julie Arenberg
- T25a: LOUDNESS PERCEPT OF THE FINE-GRAIN ECAP RECORDING PARADIGM: Lutz Gaertner, Mayra Windeler, Angelika Dierker, Stefan Strahl, Konrad Schwarz, Thomas Lenarz, Andreas Buechner
- T25b: LOUDNESS PERCEPTION FOR SIMULTANEOUS ELECTRICAL STIMULATION: Florian Langner, Colette McKay, Andreas Buechner, Waldo Nogueira

- T26a: EFFECTS OF THE ORDER OF ANODIC AND CATHODIC STIMULATION AND OF INTERPHASE GAP ON LOUDNESS IN COCHLEAR IMPLANT USERS.: Francois Guerit, Jeremy Marozeau, John M. Deeks, Bastian Epp, Robert P. Carlyon
- T26b: PPS TOOLBOX: OPEN SOURCE, VERSION CONTROLLED AND OBJECT-ORIENTED MATLAB CODE FOR CI DIRECT STIMULATION: Francois Guerit
- T27a: ACOUSTIC SPECTRAL RESOLUTION IN COCHLEAR IMPLANTED INFANTS: METHODS TO DETERMINE THRESHOLD : David Louis Horn, Jay T Rubinstein, Margaret Meredith, Susan Norton, Brian Walker, Lynne A Werner
- T27b: RELATIONSHIP OF EARLY AUDITORY ACUITY AND SPOKEN-LANGUAGE OUTCOMES IN PRELINGUALLY-DEAF INFANTS USING COCHLEAR IMPLANTS: David L Horn, Jay T Rubinstein, Susan Norton, Margaret Meredith, Lynne A Werner
- T28a: SEMANTIC DIFFERENTIAL ANALYSIS OF PULSE TRAINS ACROSS ELECTRODE PLACES AND STIMULATION RATES: Wiebke Lamping, Jeremy Marozeau, Sebastien Santurette
- T28b: PULSE RATE DISCRIMINATION IMPROVES WITH SPATIAL BROADENING OF NEURAL EXCITATION IN COCHLEAR IMPLANT USERS: Juliana Mathews, Lixue Dong, Ning Zhou
- T29a: WHAT DEFINES THE PLACE PITCH OF ELECTRICAL STIMULATION?: David M Landsberger, Natalia Stupak, Monica Padilla
- T29b: PITCH PERCEPTION WITH COMBINED PLACE AND TEMPORAL CUES ON PHANTOM ELECTRODE: Xin Luo, Christopher Garrett
- T30a: RELATIONSHIP BETWEEN COCHLEAR IMPLANT MAP PARAMETERS AND AUDITORY SPECTRAL RESOLUTION IN PRELINGUALLY-DEAF CHILDREN: Margaret A Meredith, Susan J Norton, Jay T Rubinstein, Lynne A Werner, David L Horn
- T30b: PLACE PITCH AS A FUNCTION OF CURRENT AMPLITUDE IN COCHLEAR IMPLANT USERS: Ann E. Todd, David M. Landsberger
- T31: POLARITY SENSITIVITY IN COCHLEAR IMPLANTS: RELATION WITH NEURAL SURVIVAL?: Quentin Mesnildrey, Olivier Macherey, Robert P Carlyon, Frederic Venail
- T32a: THE EFFECT OF A COCHLEAR IMPLANT PROCESSING STRATEGY ON AUDITORY MOTION PERCEPTION: Keng Moua, Alan Kan, Ruth Y. Litovsky
- T32b: THE ROLE OF PLACE AND TEMPORAL CUES ON VOLUNTARY STREAM SEGREGATION OF COCHLEAR IMPLANT USERS: Andreu Paredes Gallardo, Sara M. K. Madsen, Torsten Dau, Jeremy Marozeau
- T33a: COCHLEAR IMPLANT LOUDNESS GROWTH IN FREE FIELD: Johannes Myburgh, Dirk JJ Oosthuizen, Johan J Hanekom
- T33b: FACTORS THAT CONTRIBUTE TO ELECTROPHYSIOLOGICAL AND PSYCHOPHYSICAL MEASURES OF COCHLEAR HEALTH IN COCHLEAR-IMPLANTED HUMANS: Kara C. Schvartz-Leyzac, Christopher J Buswinka, Alexander Arts, Teresa A Zwolan, Bryan E Pfungst
- T34: PITCH RANKING WITH DIFFERENT VIRTUAL CHANNEL CONFIGURATIONS IN ELECTRICAL HEARING: Monica Padilla, Natalia Stupak, David Landsberger
- T35a: CAN HEAD MOVEMENTS HELP LISTENERS WITH BILATERAL COCHLEAR IMPLANTS DISAMBIGUATE FRONT-BACK CONFUSIONS?: Torben Pastore, Sarah J. Natale, Michael F. Dorman, William A. Yost
- T35b: INVESTIGATING BINAURAL SENSITIVITY WITH CLINICAL COCHLEAR IMPLANT PROCESSORS BY ANALYZING EYE GAZE BEHAVIOR: Ellen Peng, Alan Kan, Ruth Y Litovsky
- T36a: THE EFFECT OF DOUBLE PULSES WITH INTERPULSE INTERVALS IN A "FACILITATION" RANGE ON RATE PITCH DISCRIMINATION IN CI USERS: Sabrina Pieper, Andreas Bahmer
- T36b: PERCEPTUAL DIFFERENCES IN SINGLE CHANNEL ANALOG AND PULSATILE STIMULATION: Natalia Stupak, Monica Padilla, David Landsberger
- T37a: PREDICTORS FOR TINNITUS RECOVERY FOLLOWING COCHLEAR IMPLANTATION : Geerte G.J. Ramakers, Gijsbert A. van Zanten, Hans G.X.M. Thomeer, Inge Stegeman
- T37b: BUILD-UP EFFECT OF AUDITORY STREAM SEGREGATION USING AMPLITUDE-MODULATED NARROWBAND NOISE: Harley J Wheeler, Yingjiu Nie
- T38a: FREQUENCY DEPENDENT ILD PERCEPTION IN NH LISTENERS : Snandan Sharma , A John van Opstal , Marc M van Wanrooij, Ad F M Snik
- T38b: UNDERSTANDING THE IMPACT OF AUDITORY OBJECT FORMATION ON LATERALIZATION IN BILATERAL COCHLEAR IMPLANT LISTENERS: Tanvi D Thakkar, Alan Kan, Ruth Y. Litovsky

- T39a: SUBJECTIVE EVALUATION WITH UT-DALLAS RESEARCH INTERFACE FOR COCHLEAR IMPLANT USERS: Hussnain Ali, Sandeep Ammula, John H.L. Hansen
- T39b: INTERNET-OF-THINGS AND SMART ASSISTIVE HEARING DEVICES: Hussnain Ali, John H.L. Hansen
- T40a: A BINAURAL CI RESEARCH PLATFORM FOR OTICON MEDICAL IMPLANTS ENABLING ITD/ILD AND VARIABLE RATE PROCESSING: Bradford C. Backus, Adama Treguier, Plerre Stahl, Tobias Herzke, Kamil Adiloglu
- T40b: IMPLANTABLE MICROPHONES AS AN ALTERNATIVE TO EXTERNAL MICROPHONES FOR COCHLEAR IMPLANTS: Alistair Mitchell-Innes, Richard Irving, Phil Begg, Robert Morse, Huw Cooper
- T41a: LIGHT-DRIVEN CONTACT HEARING AID: A REMOVABLE DIRECT-DRIVE HEARING DEVICE OPTION FOR MILD TO SEVERE SENSORINEURAL HEARING IMPAIRMENT: Suzanne Carr Levy, Brent Edwards, Morteza Khaleghi, Rodney Perkins
- T41b: DESIGN OF AN OPTICAL COCHLEAR IMPLANT: Claus-Peter Richter, Xiaodong Tan, Yingyue Xu, Naofumi Suematsu
- T42a: DEVELOPMENT OF THE MANDARIN MATRIX SENTENCE TEST IN NOISE: Hongmei Hu, Xin Xi, Lena Wong, Sabine Hochmuth, Anna Warzybok, Birger Kollmeier
- T42b: SPEECH DISCRIMINATION SCORE DEVELOPMENT OVER TIME AFTER COCHLEAR IMPLANTATION: Christoph Kaecker, Sebastian Hoth, Marc Praetorius
- T43a: ARTIFACT REDUCTION AND LOUDNESS GROWTHS IN ELECTRICALLY EVOKED AUDITORY STEADY STATE RESPONSES: Hongmei Hu, Konrad Schwarz, Stefan Strahl, Mathias Dietz, Birger Kollmeier, Stephan D. Ewert
- T43b: DOES BIMODAL HEARING PROVIDE AN ADVANTAGE TO BILATERAL BRAINSTEM DEVELOPMENT?: Melissa Polonenko, Christina Lavallee, Blake Papsin, Karen Gordon
- T44: ELECTRODE INSERTION FORCE MEASUREMENTS IN SHEEP TEMPORAL BONES: Martina Nullmeier, Rolf Salcher, Thomas Lenarz, Nick Pawsey, Thomas S Rau
- T45: DEFICITS IN VOICE EMOTION PRODUCTION BY CHILDREN WITH COCHLEAR IMPLANTS: Jenni L Sis, Sara A Damm, Monita Chatterjee
- T46: EFFECTS OF DEVELOPMENT ON THE ACOUSTIC CHANGE COMPLEX: A WITHIN-SUBJECT STUDY OF PEDIATRIC CI USERS: Eun Kyung Jeon, Carolyn J. Brown, Paul J. Abbas