Program

08:30 - 09:20  Registration and coffee reception
09:20  Opening remarks

Session 1: Diagnosis of Hearing Impairment. Chair: Karen Banai


9:45 – 10:00  Shaden Bsoul, Joseph Attias, Doron Urbach. The effectiveness of bone conduction (BC) Chirp stimulation in evaluating Auditory Brainstem Response (ABR): Comparing to Air conduction (AC) Chirp and to Clicks ABR

10:00 – 10:15  Yonatan Koral, Oded Stawitzky, Shlomo Weiss, Miriam Furst. An efficient simulation tool of the human auditory system for hearing impairment diagnosis and hearing aid fitness

10:15 – 10:30  Miriam Geal-Dor, Shai Chordekar, Cahtia Adelman, Michal Kaufmann-Yehezkely, Haim Sohmer. Fluid stimulation audiogram - A type of soft tissue conduction

Plenary session. Chair: Liat Kishon-Rabin


11:45 – 12:30  Lunch

Session 2. Cochlear Implants. Chair: Michal Luntz

12:30 – 12:45  Maria Khoury, Rama Novogrodsky, Talma Shpak, Michal Luntz. The relationship between direct measures of speech perception and the PEACH questionnaire scores among Arabic speaking toddlers using cochlear implants

12:45 – 13:00  Elad Sagi, Mario A. Svirskey. A computational modeling approach to electrode deactivation in cochlear implant users

**Poster power session**. *Chair: Ronnie Perez*

13:15 – 13:45

Nada Danial-Farran, Zippora Brownstein, Morad Khayat, Luna Tamer, Suleyman Gulsumer, Tom Walsh, Gil Ast, Mary-Claire King, Karen B. Avraham, Stavit A. Shelev. Genomic analysis discovers novel variants and genes causing deafness in northern Israel

Mor Bordeynik Cohen, Ofer Yizhar-Barnea, Zippora Brownstein, Rebecca Haffner, Wade Chang, Matthew W. Kelley, Karen B. Avraham. The transcription factor Atoh1 and its association with deafness in humans

Yehudah L. Werner, Alexandra Kunin, Daniel Abergil. Size and age effects on lizard hearing, and a first indication of presbycusis

Yael Noy, Ofer Yizhar-Barnea, Kathy Ushakov, Ran Elkon, Karen B. Avraham. Epigenetic and non-coding RNA regulation during development of the mammalian inner ear


R. Levine. Somatosensory Pulsatile Tinnitus Syndrome: A 10-year progress report

Tammy Harel, Ella Leslau, Meital Avivi-Reich, Mitchell S. Sommers, Mitchell, Boaz M. Ben-David. The time-course of dichotic listening and associated effort: evidence from eye-movements


Gal Nitsan, Limor Lavie, Art Wingfield, Boaz M. Ben-David. The interaction of working memory load, working memory span, and noise on spoken word recognition: evidence from eye movements

Maram Tarabeih-Ghanayim, Karen Banai, Yizhar Lavner. The effect of talker variability on the perceptual learning of time-compressed speech and its generalization

Zippora Brownstein, Fabio T.A. Martins, Nada Danial-Faran, Suleyman Gulsumer, Maria Birkan, Lara Kamal, Silvia Casadei, Ofer Isakov, Noam Shomron, Bella Davidov, Lina Basel, Moshe Frydman, Michal Sagi, Michal Macarov, Michal Sagi, Tzipora Falik-Zaccia, Reuven Sharony, Tom Walsh, Moein Kanaan, Stavit Alon-Shalev, Mary-Claire King, Karen B. Avraham. Hear-Seq for determining the spectrum of inherited mutations for deafness in the Israeli Jewish population

13:45 – 14:00  **Coffee**

**Session 3: Genetic and Physiological Mechanisms. Chair: Joseph Attias**

14:00 – 14:15  **Bshara Awwad, Israel Nelken.** Cortical mechanisms underlying responses to temporal gaps


**Session 4. Auditory System Characteristics in Clinical Populations. Chair: Yael Henkin**

14:30 – 14:45  **Leah Fostick, Anael Bechor, Sapir Hillel Ben-Lulu.** Music-related abilities among dyslexic readers

14:45 – 15:00  **Ophir Handzel, Joseph B. Nadol Jr.** Temporal bone histopathology in Cockayne Syndrome

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