



FRIDAY 15th October

8h00-8h30 : Welcoming of participants

8h30-9h00 : Congress opening - François Dejean Président of the French Society of Audiology

9h00-10h30 : Session 1 Age-related hearing loss

Perceptual and central alterations in speech signal processing: mechanisms and evolution over time

1. Peripheral presbycusis: a plural pathology - *Jean-Luc Puel (Institut des Neurosciences, Montpellier)*
2. Mathématique Presbycusis in the light of mathematical modeling - *Jérôme Bourrien (Institut des Neurosciences, Montpellier)*
3. Neural temporal processing across the life span - *Astrid Van Wieringen (Dept of Neurosciences, Louvain)*
4. Predicting real-life listening abilities in the presbycusic adult - Use and role of suprathreshold auditory and cognitive measures in audiological practice - *Christian Fullgrabe (Loughborough University Nottingham, Angleterre)*

10h30-11h00 : Coffee Break

11h00-12h30 : Session 2 Children Hearing Loss

Development of speech signal processing abilities: plasticity and deprivation

1. Neonatal hearing screening: results, issues and challenges - *Natalie Loundon (AP-HP, Paris)*
2. Contribution of new medical genetic technologies in early hearing loss - *Sandrine Marlin (AP-HP, Paris)*
3. Loss of cortical top-down interactions in deafness - *Andrej Kral (Institute of AudioNeuroTechnology, Allemagne)*
4. Development of speech signal processing skills in the early childhood TBC - *Liat Kishon-Rabin (Tel Aviv University, Israel)*

12h30-13h30 : Lunch on the exhibition area

13h30-14h15 : Free communications

14h15-15h15 : Auditory rehabilitation with hearing-aids

New insights in amplification intervention

1. From data-driven auditory profiling to scene-aware signal processing in hearing aids - *Torsten Dau (Technical University of Denmark)*
2. Beyond tone and speech audiometry: hearing impairment and hearing-aid benefit in the booth and in real life - *Inga Holube (Jade University of Applied Sciences- Oldenburg)*
3. New indications for hearing-aid fitting in children: advantages and limitations - *Michel Mondain & Cathy-Anne Guyon (CHU, Montpellier)*

15h15-16h15 : Hearing-aid manufacturers roundtable

What research directions for the hearing impaired?

16h15-16h45 : Coffee Break

16h45-18h30 : Diagnostic and Exploration Workshops (2 sessions of 45 mn)

1. Virtual reality audiometry training - *David Bakhos, Mathieu Robier*
2. Electrophysiology new insights - *Hung Thai Van, Fabrice Giraudet*
3. Performing a cognitive assessment in adults - *I. Mosnier, E. Ambert-Dahan, J. Flament*
4. Listenig-effort mesurment - *A. Moulin, M. Ferschneider*

19h15 : Congress diner departure



Saturday 16th October

8h00-8h15 : Welcoming of participants

8h15-9h30 : Session 4 Auditory rehabilitation with cochlear implants

New insights in cochlear implant intervention

1. Indications: recent extensions and perspectives - *Mathieu Marx (CHU, Toulouse)*
2. Can we use electrophysiology to preserve hearing during implantation? - *Frédéric Venail (CHU, Montpellier)*
3. Towards the Optical Cochlear Implant: Optogenetic Stimulation of the Auditory Pathway - *Tobias Moser (Goettingen University Allemagne)*
4. Which coding for which hearing loss **TBC** - *Olivier Macherey (LMA CNRS, Marseille)*

9h30-10h15 : Cochlear Implant manufacturer round table

Research priorities for hearing impaired

10h15-10h45 : Coffee break

10h45-12h00 : Round table: French 2021 reform for hearing aid: accessibility and related service

12h00-13h00 : The unknown effects of noise on hearing function

1. « Make Listening safe » - *Mark Laurens (World Health Organization)*
2. Peripheral and central auditory processing after lifetime exposure to environmental noise - *Boris Gourévitch (Institut de l'Audition, Paris)*
3. Ototoxic chemicals: poorly known risks for the inner ear - *Benoît Pouyatos (INRS, Vandoeuvre lès Nancy)*
4. Brain Circuits and Neurophysiological Mechanisms of Sound Aversion - *Luc Arnal (Institut de l'Audition, Paris)*

13h00-14h00 : Lunch on the exhibition area

14h00-15h00 : Session 6 Speech therapy and training

New strategies in speech and language therapy

1. LENA system & CI for children: study of the language immersion and parental support - *Marine Lathuilliere (CHU, Montpellier)*
2. Rhythmic stimulation: a progress for deaf children language care - *Céline Hidalgo (INSERM, Marseille)*
3. Quality of life of the hearing-impaired elderly: role, place, and importance of quality of life determinants - *Sébastien Lazzarotto (Faculté des sciences médicales et paramédicales, Marseille)*

15h00-16h : Open communication

16h-17h : Rehabilitation and auditory training workshops (1 session of 60 mn)

1. Unilateral deafness: evaluating, fitting and training - *Mathieu Marx, Stéphanie Borel*
2. Rehabilitation questionnaires and effectiveness measures (speakers to be confirmed)
3. Multidisciplinary management of deafness for children over 6 years of age - *C Blanchet, D Espitalier CA Guyon*
4. Hearing aids: which technology level for which patient? (speakers to be confirmed)

17 h : Congress closing