



## **FRIDAY October, 15**

8h00-8h30: Opening of the registration desk

**8h30-9h00: Congress opening** - François Dejean, President 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 – exhibition area

### **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 - exhibition area

### **13h30-14h15 : Oral communications**

13h30 - Arterial spin labeling brain MRI study to evaluate the impact of deafness on cerebral perfusion in 79 children before cochlear implantation – Arnaud Coez (*Paris*)

13h40 - Intérêt des potentiels évoqués conductifs en conduction osseuse dans les suites du dépistage auditif néonatal – Hung Thai-Van (*Lyon*)

13h50 - How to detect hidden hearing loss: from lab to clinic – Fabrice Giraudet (*Clermont-Ferrand*)

14h00 - Caractérisation des sujets présentant une « surdité cachée » : résultats d'une étude clinique prospective observationnelle à grande échelle avec la VRB – Julie Bestel (*Versailles*)

### **14h15-15h30: 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- Oldenbourg*)
3. New indications for hearing-aid fitting in children: advantages and limitations - Michel Mondain & Cathy-Anne Guyon (*CHU, Montpellier*)

### **15h30-16h30: Hearing-aid manufacturers roundtable**

#### **What research directions for the hearing impaired?**

16h30-17h00: Coffee Break – exhibition area

### **17h00-18h30 : 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 measurment - *A. Moulin, M. Ferschneider*
5. Rehabilitation questionnaires and effectiveness measures - *Damien Bonnard, François Dejean (TBC)*

18h30 – 19h00: SFA General Assembly

19h30: Congress diner departure

## **Saturday – October, 16**

**8h00-8h15 : Opening of the registration desk**

**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 - *Olivier Macherey (LMA CNRS, Marseille)*

**9h30-10h15: Cochlear Implant manufacturer round table**

**Research priorities for hearing impaired**

10h15-10h45: Coffee break – exhibition area

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

**12h00-13h15: 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)*

13h15-14h15: Lunch - exhibition area

**14h15-15h15: 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)*

**15h15-15h40: Oral communications**

15h00: Acoustic amplification in case of Single-Side Deafness with residual hearing: an alternative to cochlear implantation to treat tinnitus– *Morgan Potier (Narbonne)*

15h15: Speech in Noise Perception in 5 years old children– *Annie Moulin (Bron)*

**15h45-16h45: Rehabilitation and auditory training workshops (1 session of 60 mn)**

- 1 Hearing aids: which technology level for which patient? - *Eric Bailly Masson, Morgan Potier*
- 2 Multidisciplinary management of deafness for children over 6 years of age - *Catherine Blanchet, Delphine Espitalier, Cathy-Anne Guyon*
- 3 Unilateral deafness: evaluating, fitting and training - *Mathieu Marx, Stéphanie Borel, Sébastien Pares*

16h45: Congress closing