Press Release

Sensorion Announces Presentation by Pr. Natalie Loundon at the 2025 American Society of Pediatric Otolaryngology Annual Meeting

Montpellier, April 25, 2025, 7.30 am CET – Sensorion (FR0012596468 – ALSEN) a pioneering clinical-stage biotechnology company specializing in the development of novel therapies to restore, treat and prevent hearing loss disorders, today announced that Pr. Natalie Loundon, pediatric ENT Surgeon, Director of the Center for Research in Pediatric Audiology, Necker Enfants Malades Hospital, AP-HP, in Paris, France, will make an oral presentation at the annual meeting of the American Society of Pediatric Otolaryngology (ASPO).

The Conference is being held in Montreal, Canada, on April 30 - May 3, 2025, and Pr. Loundon's talk "Principle and Practice of a Gene Therapy for Hearing loss: A Phase 1/2 Clinical Trial with SENS-501 in Children Suffering from Severe to Profound Hearing Loss" will occur on May 1st at 4.20 pm CET (10.20 am ET).

Pr. Loundon is the Principal Investigator of Audiogene, Sensorion's Phase 1/2 clinical trial evaluating SENS-501, a gene therapy treatment for DFNB9, a genetic disorder causing severe to profound hearing loss due to mutations in the OTOF gene. Her presentation will include an overview of the rationale behind gene therapy approaches for inner ear hearing loss disorders and the Company's Audiogene clinical trial.

About the Audiogene Trial

Audiogene aims to evaluate the safety, tolerability and efficacy of intra-cochlear injection of SENS-501 for the treatment of OTOF gene-mediated hearing loss in infants and toddlers aged 6 to 31 months at the time of gene therapy treatment. By targeting the first years of life, when brain plasticity is optimal, the chances of these young children with pre-linguistic hearing loss acquiring normal speech and language are maximized. The study comprises two cohorts of two doses followed by an expansion cohort at the selected dose. While safety will be the primary endpoint of the first part of the dose escalation study, auditory brainstem response (ABR) will be the primary efficacy endpoint of the second part of the expansion. Audiogene will also evaluate the clinical safety, performance and ease-of-use of the delivery system developed by Sensorion.

About Sensorion

Sensorion is a pioneering clinical-stage biotech company, which specializes in the development of novel therapies to restore, treat, and prevent hearing loss disorders, a significant global unmet medical need. Sensorion has built a unique R&D technology platform to expand its understanding of the pathophysiology and etiology of inner ear related diseases, enabling it to select the best targets and mechanisms of action for drug candidates. It has two gene therapy programs aimed at correcting hereditary monogenic forms of deafness, developed in the framework of its broad strategic collaboration focused on the genetics of hearing with the Institut Pasteur. SENS-501 (OTOF-GT) currently being developed in a Phase 1/2 clinical trial, targets deafness caused by mutations of the gene encoding for otoferlin and GJB2-GT targets hearing loss related to mutations in GJB2 gene to potentially address important hearing loss segments in adults and children. The Company is also working on the identification of biomarkers to improve diagnosis of these underserved illnesses. Sensorion's portfolio also comprises programs of a clinical-stage small molecule, SENS-401 (Arazasetron), for the treatment and prevention of hearing loss disorders. Sensorion's small molecule progresses in a Phase 2 proof of concept clinical study of SENS-401 in Cisplatin-Induced Ototoxicity (CIO) for the preservation of residual hearing. Sensorion, with partner Cochlear Limited, completed in 2024 a Phase 2a study of SENS-401 for the residual hearing preservation in patients scheduled for cochlear implantation. A Phase 2 study of SENS-401 was also completed in Sudden Sensorineural Hearing Loss (SSNHL) in January 2022.
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Disclaimer

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