

POSTER SESSIONS

Sunday, 11th September 2022

13.00-14.30: Lunch & Poster Viewing

POSTER SESSION 1

01. Aging

P1.01.01

id95 - Attenuation of auditory cell senescence by Urolithin A

Sung Il Cho - Eu-Ri Jo - Hansoo Song

(Gwangju, Korea, Republic of)

P1.01.02

id15 - Age dynamics of the upper frequency boundary of the sound range by G. von Békésy (analytical solution)

Evgeny Ovchinnikov

(Samara, Russian Federation)

P1.01.03

id107 - OCT-a Retinal Vascular Density, Age-Related Central hearing loss as predictors for global cognitive function in an Italian Older Population

Rodolfo Sardone ⁽¹⁾ - Nicola Quaranta ⁽²⁾ - Giancarlo Sborgia ⁽²⁾ - Francesco Boscia ⁽²⁾

(Castellana Grotte, Italy ⁽¹⁾ - Bari, Italy ⁽²⁾)

P1.01.04

id174 - Variability in Early Markers of Sensorineural Hearing Loss with Age

Sarineh Keshishzadeh - Heleen Van Der Biest - Hannah Kepler - Ingeborg Dhooge - Marjoleen Wouters - Sarah Verhulst

(Ghent, Belgium)

02. Cochlear implant and implantable prosthesis

P1.02.01

id58 - A new customized cochlear implant mapping

Di Maro Flavia - Cinzia Calabrese - Marco Carner - Stefano Di Gioia

(Verona, Italy)

P1.02.02

id145 - The Clinical Effects of Steroids Therapy in the Preserving Residual Hearing after Cochlear Implantation with the OTICON Neuro Zti EVO

Magdalena Skarżyńska - Aleksandra Kołodziejak - Elżbieta Gos - Piotr Skarżyński

(Kajetany, Poland)

P1.02.03

id71 - The effect of chronic electrical stimulation on structure and function of the auditory nerve in deafened guinea pigs

Dyan Ramekers ⁽¹⁾ - Heval Benav ⁽²⁾ - Sjaak F.L. Klis ⁽¹⁾ - Huib Versnel ⁽¹⁾

(Utrecht, Netherlands ⁽¹⁾ - Innsbruck, Austria ⁽²⁾)

03. Developmental biology

P1.03.01

id38 - Transcriptome Analysis of Nascent Hair Cells Identifies Ccer2 as a Novel Gene Upregulated during Differentiation

Emilia Luca - Joanna F. Mulvaney - Gianluca Sampieri - Daniel Nouri Nejad - Alain Dabdoub
(Toronto, Canada)

P1.03.02

id35 - Impact of proteostasis on neuronal diversity in the developing inner ear

Mona Veithen - Brigitte Malgrange - Laurence Delacroix
(Liege, Belgium)

04. Drug delivery system

P1.04.01

id55 - Development of an animal model to test preventive local drug delivery of noise-induced hearing loss

Kathrin Malfeld - Baumhoff Peter - Volk Holger - Lenarz Thomas - Scheper Verena
(Hannover, Germany)

P1.04.02

id132 - Preparation and Evaluation of Poloxamer 407 Hydrogel for Efficient Drug Delivery to the Inner Ear

Hyuk Chan Kwon - Yang Yu - Kang Moo Huh - Yong-Ho Park
(Daejeon, Korea, Republic of)

P1.04.03

id19 - In vitro transfection of primary fibroblasts from the inner ear of postnatal rats with recombinant plasmids

Kirsten Wissel - Thomas Lenarz - Gerrit Paasche
(Hannover, Germany)

05. Ear physiology

P1.05.01

id82 - How cochlear outer hair cells contribute to high frequency tuning

Jonathan Ashmore
(London, United Kingdom)

P1.05.02

id62 - Hearing Impairment in a Mouse Model of Diabetes Is Associated with Mitochondrial Dysfunction, Synaptopathy, and Activation of the Intrinsic Apoptosis Pathway

Kwan Ho Kim - Min Su Kim - Yang Yu - Yong-Ho Park
(Daejeon, Korea, Republic of)

06. Genetics of hearing loss and Gene therapy

P1.06.01

id127 - Mutational spectrum and clinical features of branchiootorenal syndrome patients in Slovakia

Silvia Borecka - Lukas Varga - Marek Sklenar - Miloslav Karhanek - Martina Skopkova - Zuzana Pavlenkova - Lenka Langova - Michaela Pietrzykova - Milan Profant - Daniela Gasperikova
(Bratislava, Slovakia, Slovak Republic)

P1.06.02

id165 - ACTG1: a spectrum ranging from non-syndromic hearing impairment to polymalformative fetal presentations

Margaux Serey-Gaut⁽¹⁾ - Isabelle Rouillon⁽¹⁾ - Natalie Loundon⁽¹⁾ - Geneviève Lina Granade⁽²⁾ - Souad Gherbi-Halem⁽¹⁾ - Anne-Marie Guerrot⁽³⁾ - Yline Capri⁽¹⁾ - Arnaud Molin⁽⁴⁾ - Christine Poncet Wallet⁽¹⁾ - Lahlou Ghizlene⁽¹⁾ - Tania Attie Bitach⁽¹⁾ - Abeke Ralyath Balogoun⁽¹⁾ - Laurence Jonard⁽¹⁾ - Sandrine Marlin⁽¹⁾

(Paris, France⁽¹⁾ - Lyon, France⁽²⁾ - Rouen, France⁽³⁾ - Caen, France⁽⁴⁾)

P1.06.03

id84 - Genetic determinants of deafness and Enlarged Vestibular Aqueduct in Austria

Sebastian Roesch - Emanuele Benardinelli - Silvia Dossena

(Salzburg, Austria)

P1.06.04

id138 - Confirming the causative role of SF3B2 in craniofacial microsomia: the first Italian family

Elisa Rubinato - Flavio Faletra - Agnese Feresin - Anna Morgan - Giorgia Giroto

(Trieste, Italy)

P1.06.05

id57 - Deafness genes: how can phenotype, mutation spectrum and pathophysiology impact gene therapy potential?

Frederic Acke⁽¹⁾ - Mathieu Struys⁽¹⁾ - Wan Du⁽²⁾ - Frauke Coppieters⁽¹⁾ - Els De Leenheer⁽¹⁾ - Ingeborg Dhooge⁽¹⁾ - Zheng-Yi Chen⁽²⁾

(Ghent, Belgium⁽¹⁾ - Boston, MA, United States⁽²⁾)

P1.06.06

id46 - In vivo AAV-driven Eps8 gene editing restores hair cell development and function in a mouse model of recessive deafness

Jing-Yi Jeng⁽¹⁾ - Adam Carlton⁽¹⁾ - Richard Goodyear⁽²⁾ - Colbie Chinowsky⁽³⁾ - Federico Ceriani⁽¹⁾ - Guy Richardson⁽²⁾ - Steve Brown⁽⁴⁾ - Michael Bowl⁽⁵⁾ - Uri Manor⁽³⁾ - Walter Marcotti⁽¹⁾

(Sheffield, United Kingdom⁽¹⁾ - Falmer, Sussex, United Kingdom⁽²⁾ - La Jolla, CA, United States⁽³⁾ - Harwell, United Kingdom⁽⁴⁾ - London, United Kingdom⁽⁵⁾)

07. Imaging and Anatomy

P1.07.01

id149 - Automating vascular segmentation in the cleared auditory system

Daniele Cossellu - Paola Perin - Simone Lazzarini - Roberto Pizzala

(Pavia, Italy)

10. Noise induced hearing loss

P1.10.01

id144 - Development of noise-induced hearing loss (NIHL) rat models for preclinical efficacy assessment

Carolanne Coyat⁽¹⁾ - Véronique Baudoux⁽¹⁾ - Marion Souchal⁽¹⁾ - Sylvie Pucheu⁽¹⁾ - Susanna Malmström⁽¹⁾ - Charles Vincent⁽¹⁾ - Louis Fontayne⁽¹⁾ - Marie Peytavy⁽¹⁾ - Yves Cazals⁽²⁾ - Chantal Cazevieille⁽¹⁾ - John Toomey⁽³⁾ - Michael Quaile⁽³⁾ - Gaëlle Naert⁽¹⁾

(Montpellier, France⁽¹⁾ - Marseille, France⁽²⁾ - Colledgeville, PA, United States⁽³⁾)

11. Otoprotection

P1.11.01

id21 - SENS-401 Local Exposure is not altered by severe acoustic trauma in a rat model of sudden sensorineural hearing loss (SSNHL)

Julie Duron Dos Reis - Mathieu Petremann - Viviana Delgado-Betancourt - Christophe Tran Van Ba - Pauline Liaudet - Emilie Bousquet - Laurent Désiré
(Montpellier, France)

12. Ototoxicity

P1.12.01

id106 - Influence of the platinum nanoparticles on the cell viability of the mouse organ of Corti cell line HEI-OC1 and the rat spiral ganglion neurons

Elisabeth Berger - Kirsten Wissel - Gudrun Brandes - Janin Reifenrath - Thomas Lenarz - Martin Durisin
(Hannover, Germany)

P1.12.02

id156 - Oxidative stress and inflammation caused by the neuro-ototoxic effect of styrene in both cochlea and auditory cortex involve macrophage and microglia activation

Raffaele Montuoro ⁽¹⁾ - Anna Pisani ⁽¹⁾ - Rolando Rolesi ⁽¹⁾ - Fabiola Paciello ⁽¹⁾ - Claudio Grassi ⁽¹⁾ - Anna Rita Fetoni ⁽²⁾ - Gaetano Paludetti ⁽¹⁾
(Rome, Italy ⁽¹⁾ - Naples, Italy ⁽²⁾)

P1.12.03

id158 - Evaluation of Corti neural damage in a model of cisplatin-ototoxicity

Rolando Rolesi ⁽¹⁾ - Anna Pisani ⁽¹⁾ - Fabiola Paciello ⁽¹⁾ - Raffaele Montuoro ⁽¹⁾ - Gaetano Paludetti ⁽¹⁾ - Claudio Grassi ⁽¹⁾ - Anna Rita Fetoni ⁽²⁾
(Rome, Italy ⁽¹⁾ - Naples, Italy ⁽²⁾)

14. Physiopathology of Auditory Pathways

P1.14.01

id20 - An auditory neuropathy treatment study - Analysis of the modulatory effect of pegylated IGF1 (pegIGF1) on auditory function of the pmn mouse model.

Linda Bieniussa - Johannes Skornicka - Sybille Jablonka - Michael Sendtner - Johannes Völker - Kristen Rak - Rudolf Hagen
(Würzburg, Germany)

15. Regeneration and Stem cells

P1.15.01

id152 - Biosafety and biodistribution of otic neuroprogenitors generated from human pluripotent stem cells

Daniela I. Cacciabue - Jenna-Rae Clark - Adam Fell - Oscar Solis-Castro - Devashish Das - Aneurin Kennerly - Leila Abbas - Marcelo N. Rivolta
(Sheffield, United Kingdom)

P1.15.02

id105 - Characterization of immune suppression approaches for intracochlear transplantation of human induced pluripotent stem cell-derived otic progenitor cells in a rodent model for the denervated cochlea

Merete Hartmann - Angeliki Koufali - Maria-Patapia Zafeiriou - Christian Wrobel

(Göttingen, Germany)

P1.15.03

id52 - Human cochlear and vestibular organoids from patients undergoing skull-base tumor resections

Natalia Smith-Cortinez - Katherine Tan - Ahmed Alkashaf - Huib Versnel - Robert Stokroos - Hans Thomeer - Louise Straatman
(Utrecht, Netherlands)

16. Tinnitus

P1.16.01

175 - Can Functional Biomarkers Differentiate Tinnitus and Tinnitus With Co-occurring Hyperacusis?

Jakob Wertz - Konrad Dapper - Jörg Saemisch - Robert Stark - Stephan Wolpert - Uwe Klose - Ann-Christine Ehlis - Lukas Rüttiger - Marlies Knipper - Matthias H.J. Munk
(Tübingen, Germany)

17. Vestibular disorders

P1.17.01

id117 - Baseline characteristic feature of hemispheric dominance of the vestibular cortical system of healthy controls

Ki Jin Kwon - Mira Yoon - Jae Yong Byun
(Seoul, Korea, Republic of)

P1.17.02

id78 - Vestibular migraine in children. A cross-sectional study

Silvia Palma ⁽¹⁾ - Riccardo Nocini ⁽²⁾ - Carlo Baraldi ⁽¹⁾ - Enrico Apa ⁽¹⁾ - Andrea Ciorba ⁽³⁾ - Valeria Caragli ⁽¹⁾ - Daniele Monzani ⁽¹⁾
(Modena, Italy ⁽¹⁾ - Verona, Italy ⁽²⁾ - Ferrara, Italy ⁽³⁾)

19. Miscellaneous

P1.19.01

id11 - Prognostic factors for outcomes of idiopathic Sudden onset Sensorineural Hearing Loss: The SeaSheL national prospective cohort study

Silvia Di Bonaventura
(London, United Kingdom)

P1.19.02

id28 - The human endolymphatic sac endolymph – novel sampling technique and proteome presentation

Christine Ölander - Jesper Edvardsson Rasmussen - Per Olof Eriksson - Göran Laurell - Helge Rask-Andersen - Jonas Bergquist
(Uppsala, Sweden)

Sunday, 11th September 2022

18.15-19.30: Poster Viewing & Meeting the Companies

POSTER SESSION 2

01. Aging

P2.01.01

id109 - Amplitude-Modulation Following Responses in Male and Female C57Bl/6N mice change with increasing age

Neil J. Ingham - Karen P. Steel
(London, United Kingdom)

P2.01.02

id70 - Individual differences in speech induced MEG in older and hearing-impaired listeners

Konrad Dapper ⁽¹⁾ - Lukas Emmerich ⁽²⁾ - Lukas Rüttiger ⁽¹⁾ - Marlies Knipper ⁽¹⁾ - Matthias H.J. Munk ⁽³⁾ - Christoph Braun ⁽²⁾
(Tuebingen, Germany)

P2.01.03

id16 - Distribution of auditory receptors by perceived frequencies according to G. von Bekesy

Evgeny Ovchinnikov
(Samara, Russian Federation)

P2.01.04

id73 - Age related hearing loss in Dunkin Hartley Guinea Pigs

Peck Claas-Tido - Malfeld Kathrin - Lenarz Thomas - Verena Scheper
(Hannover, Germany)

02. Cochlear implant and implantable prosthesis

P2.02.01

id59 - Pediatric Auditory Brainstem Implant and contralateral Cochlear Implant: simultaneous or sequential surgeries?

Cinzia Calabrese - Marco Carner - Stefano Di Gioia - Nicole Caiazza
(Verona, Italy)

P2.02.02

id67 - Cochlear Implantation in Minipigs - A Potential Animal Model with Similar Inner Ear Dimensions to Humans

Erdem Yildiz ⁽¹⁾ - Anselm Joseph Gadenstaetter ⁽¹⁾ - Matthias Gerlitz ⁽¹⁾ - Michael Nieratschker ⁽¹⁾ - Rudolf Glueckert ⁽²⁾ - Clemens Honeder ⁽¹⁾ - Hinrich Staecker ⁽³⁾ - Christoph Arnoldner ⁽¹⁾
(Vienna, Austria ⁽¹⁾ - Innsbruck, Austria ⁽²⁾ - Kansas City, MO, United States ⁽³⁾)

P2.02.03

id74 - Acute effects of cochleostomy and electrode-array insertion on compound action potential and cochlear microphonics in normal-hearing guinea pigs

Saad Jwair - Dyan Ramekers - Robert Stokroos - Hans Thomeer - Huib Versnel
(Utrecht, Netherlands)

03. Developmental biology

P2.03.01

id31 - Diabetes & Hearing: link to a auditory neuropathy?

Guillaume Sabourin - Fabrice Giraudet - Paul Avan
(Clermont-Ferrand, France)

04. Drug delivery system

P2.04.01

id97 - Application of Acoustic Multi-Frequency Stimulation to Increase Apical Drug Concentrations after Intratympanic Injection in Guinea Pigs - a Pilot Study

Erdem Yildiz ⁽¹⁾ - Anselm Joseph Gadenstaetter ⁽¹⁾ - Matthias Gerlitz ⁽¹⁾ - Michael Nieratschker ⁽¹⁾ - Rudolfs Liepins ⁽¹⁾ - Tobias Reichenbach ⁽²⁾ - Maria Anzengruber ⁽¹⁾ - Franz Gabor ⁽¹⁾ - Gottfried Reznicek ⁽¹⁾ - Clemens Honeder ⁽¹⁾ - Christoph Arnoldner ⁽¹⁾
(Vienna, Austria ⁽¹⁾ - London, United Kingdom ⁽²⁾)

P2.04.02

id60 - Applying Glycol Chitosan Thermogel to increase the drug delivery into the inner ear

Yang Yu - Kang Moo Huh - Yong-Ho Park
(Daejeon, Korea, Republic of)

P2.04.03

id88 - Lack of NHE6 and inhibition of NKCC1 associated with increased permeability in blood labyrinth barrier-derived endothelial cell layer

Marijana Sekulic ⁽¹⁾ - Jessica Paproth ⁽¹⁾ - Cinzia Sgambato ⁽¹⁾ - Giuseppe Albano ⁽²⁾ - Daniel G. Fuster ⁽²⁾ - Daniel Bodmer ⁽¹⁾ - Vesna Petkovic ⁽¹⁾
(Basel, Switzerland ⁽¹⁾ - Bern, Switzerland ⁽²⁾)

05. Ear physiology

P2.05.01

id93 - Insights into the ion permeation of the cochlear mechano-electrical transducer channels

Maryline Beurg ⁽¹⁾ - Robert Fettiplace ⁽¹⁾
(Madison, WI, United States ⁽¹⁾)

P2.05.02

id173 - D-Serine wakes silent NMDA receptors at the mammalian cochlear ribbon synapse

Jing Wang ⁽¹⁾ - Nicolas Serratrice ⁽¹⁾ - Cindy Jung Lee ⁽²⁾ - Florence François ⁽¹⁾ - Jonathan Sweedler ⁽²⁾ - Jean-Luc Puel ⁽¹⁾ - Jean Pierre Mothet ⁽³⁾ - Jérôme Ruel ⁽⁴⁾
(Montpellier, France ⁽¹⁾ - ⁽²⁾ - Urbana-Champaign, IL, USA ⁽²⁾ - Gif-sur-Yvette, France ⁽³⁾ - Montpellier & Marseille, France ⁽⁴⁾)

06. Genetics of hearing loss and Gene therapy

P2.06.01

id115 - Tailored WES data analysis and reanalysis in the Lebanese population and lessons learned

Eliane Chouery - Cybel Mehawej - Andre Megarbane
(Beirut, Lebanon)

P2.06.02

id166 - ATP1A3 gene is responsible for isolated and syndromic auditory neuropathy (CAPOS syndrome)

Margaux Serey-Gaut ⁽¹⁾ - Sophie Achard ⁽¹⁾ - Laurence Jonard ⁽¹⁾ - Marine Parodi ⁽¹⁾ - Natalie Loundon ⁽¹⁾ - Christine Poncet ⁽¹⁾ - Bruno Eymard ⁽¹⁾ - Naima Deggouj ⁽²⁾ - Yves Sznajer ⁽²⁾ - Sandrine Marlin ⁽¹⁾
(Paris, France ⁽¹⁾ - Bruxelles, Belgium ⁽²⁾)

P2.06.03

id137 - Non-syndromic or syndromic hearing loss? Our experience with the challenge of non-syndromic mimics

Elisa Rubinato - Anna Morgan - Agnese Feresin - Beatrice Spedicati - Flavio Faletra - Giorgia Giroto
(Trieste, Italy)

P2.06.04

id170 - MTTL1 gene variant m.A3243G in Slovak cohorts of hearing loss and diabetic patients: expect the unexpected

Lukas Varga - Vibhuti Rambani - Marek Sklenar - Silvia Borecka - Martina Skopkova - Diana Viglaska - Juraj Stanik - Miroslav Tomka - Milan Profant - Daniela Gasperikova
(Bratislava, Slovak Republic)

P2.06.05

id123 - Syndromic and non-syndromic hearing loss: identification and functional characterization of putative novel splicing variants

Giulia Pianigiani ⁽¹⁾ - Anna Morgan ⁽¹⁾ - Elisa Rubinato ⁽¹⁾ - Livia Garavelli ⁽²⁾ - Paolo Gasparini ⁽¹⁾ – Giorgia Giroto ⁽¹⁾
(Trieste, Italy ⁽¹⁾ - Reggio Emilia, Italy ⁽²⁾)

P2.06.06

id89 - Integrating optimized surgery and behavioral testing for efficient and safe adeno-associated virus gene therapy development for inner ear disorders

Christophe Tran Van Ba ⁽¹⁾ - Guillaume Olivier ⁽¹⁾ - Julie Duron Dos Reis ⁽¹⁾ - Hanae Farsad Oussa ⁽¹⁾ - Anaïs Rivière ⁽¹⁾ - Pauline Liaudet ⁽¹⁾ - Audrey Broussy ⁽¹⁾ - Patrice Vidal ⁽²⁾ - Arnaud Giese ⁽¹⁾ - Nora Yang ⁽³⁾ - Laurent Désiré ⁽²⁾
(Montpellier, France ⁽¹⁾ - Paris, France ⁽²⁾ - Cambridge, MA, United States ⁽³⁾)

P2.06.07

id172 - A disease-associated mutation in thyroid hormone receptor $\alpha 1$ causes hearing loss and sensory hair cell patterning defects in mice

Corentin Affortit ⁽¹⁾ - Fabian Blanc ⁽¹⁾ - Rym Saidia ⁽¹⁾ - Jamal Nasr ⁽¹⁾ - Jean-Charles Ceccato ⁽¹⁾ - Jean-Luc Puel ⁽¹⁾ - Frédéric Flamant ⁽²⁾ - Jing Wang ⁽¹⁾
(Montpellier, France ⁽¹⁾ - Lyon, France ⁽²⁾)

07. Imaging and Anatomy

P2.07.01

id13 - A deep learning approach to quantify auditory hair cell survival

Maurizio Cortada - Loïc Sauter - Michael Lanz - Soledad Levano - Daniel Bodmer
(Basel, Switzerland)

10. Noise induced hearing loss

P2.10.01

id155 - The interplay between sensory and cognitive neurodegeneration: cochlear vulnerability to noise exposure in a model of Alzheimer's disease.

Anna Pisani ⁽¹⁾ - Fabiola Paciello ⁽¹⁾ - Rolando Rolesi ⁽¹⁾ - Raffaele Montuoro ⁽¹⁾ - Claudio Grassi ⁽¹⁾ - Gaetano Paludetti ⁽¹⁾ - Anna Rita Fetoni ⁽²⁾
(Rome, Italy ⁽¹⁾ - Naples, Italy ⁽²⁾)

11. Otoprotection

P2.11.01

id119 - Mitochondrial derived peptide in the inner ear

Dominique Waldmann - Maurizio Cortada - Yu Lu - Soledad Levano - Daniel Bodmer
(Basel, Switzerland)

12. Ototoxicity

P2.12.01

id87 - Effects of corticosteroids on survival and neurite length of spiral ganglion neurons in vitro

Odett Kaiser - Janic L. Nickel - Athanasia Warnecke - Thomas Lenarz - Jennifer Harre
(Hannover, Germany)

P2.12.02

id154 - Evaluation of NADPH oxidase 3 as drug target in a novel 3R model of cisplatin ototoxicity

German Nacher-Soler - Sébastien Lenglet - Rebecca Sipione - Stéphanie Sgroi - François Voruz - Karl-Heinz Krause - Pascal Senn - Francis Rousset
(Geneva, Switzerland)

P2.12.03

id142 - Development of a cisplatin-induced hearing loss (CIHL) rat model for preclinical efficacy assessment

Marion Souchal - Carolanne Coyat - Aurore Marie - Elodie Flaszka - Véronique Baudoux - Charles Vincent - Louis Fontayne - Sylvie Pucheu - Gaëlle Naert
(Montpellier, France)

13. Pharmacology of inner ear

P2.13.01

id135 - Effectiveness of Various Treatments for Sudden Sensorineural Hearing Loss—A Retrospective Study

Magdalena Skarżyńska ⁽¹⁾ - Aleksandra Kołodziejak ⁽²⁾ - Piotr Skarżyński ⁽²⁾ - Elżbieta Gos ⁽²⁾ - Milaine Dominici Sanfis ⁽²⁾
(Kajetany, Poland)

14. Physiopathology of Auditory Pathways

P2.14.01

id51 - Central stress receptors differentially participate in auditory nerve response through cGMP signaling cascade

Dila Calis ⁽¹⁾ - Philine Marchetta ⁽¹⁾ - Morgan Hess ⁽¹⁾ - Wibke Singer ⁽¹⁾ - Michele Jacob ⁽²⁾ - Peter Ruth ⁽¹⁾ - Lukas Ruttiger ⁽¹⁾ - Marlies Knipper ⁽¹⁾
(Tübingen, Germany ⁽¹⁾ - Boston, MA, United States ⁽²⁾)

P2.14.02

id29 - Distortion Product Otoacoustic Emissions correlate to the putamen DATscan signal in Parkinson's Disease

Renata Sisto ⁽¹⁾ - Rocco Cerroni ⁽²⁾ - Elena Garasto ⁽²⁾ - Alessandro Stefani ⁽²⁾ - Mariangela Pierantozzi ⁽²⁾ - Orazio Schillaci ⁽²⁾ - Agostino Chiaravalloti ⁽²⁾ - Arturo Moleti ⁽²⁾
(Monteporzio Catone, Italy ⁽¹⁾ - Rome, Italy ⁽²⁾)

15. Regeneration and Stem cells

P2.15.01

id83 - Drug repositioning to find potential drug candidates for inner ear protection against noise induced hearing loss: the use of Pharos

Riccardo Di Micco ⁽¹⁾ - Athanasia Warnecke ⁽¹⁾ - Martin Durisin ⁽¹⁾ - Igor Majewski ⁽¹⁾ - Adam J. Mellott ⁽²⁾ - Matthew Shew ⁽³⁾ - Jennifer Harre ⁽¹⁾ - Hinrich Staecker ⁽¹⁾ - Thomas Lenarz ⁽¹⁾
(Hannover, Germany ⁽¹⁾ - Olathe, KS, United States ⁽²⁾ - St. Louis, MO, United States ⁽³⁾)

P2.15.02

id54 - Survival of LGR5-positive supporting cells in the cochlea of adult mice 28 days after ototoxic trauma

Natalia Smith-Cortinez - Huib Versnel - Ferry Hendriksen - Dyan Ramekers - Robert Stokroos - Louise Straatman
(Utrecht, Netherlands)

16. Tinnitus

P2.16.01

id4 - Pulsatile tinnitus due to dural arterio-venous fistula

Min Ju Kang ⁽¹⁾ - Kyoung Ho Park ⁽¹⁾ - Kyoung Ho Park ⁽¹⁾
(Seoul, Korea, Republic of)

17. Vestibular disorders

P2.17.01

id25 - Expression of Autoantibodies and Complements in Acute Peripheral Vestibulopathy

Ju Hyoung Lee ⁽¹⁾ - Jin Wook Jeong ⁽¹⁾
(Incheon, Korea, Republic of)

19. Miscellaneous

P2.19.01

id94 - The pathophysiology of hearing loss in congenital cytomegalovirus: from a direct cytopathic effect towards associated inflammatory-based damage

Elise De Cuyper - Frederic Acke - Ingeborg Dhooge
(Ghent, Belgium)

P2.19.02

id139 - Corticosterone modulates protein expression in murine inner ear explants

Ewa Domarecka ⁽¹⁾ - Heidi Olze ⁽¹⁾ - Agnieszka J Szczepek ⁽¹⁾
(Berlin, Germany)

Monday, 12th September 2022

12.15 – 13.30: Lunch & Poster Viewing

POSTER SESSION 3

01. Aging

P3.01.01

id68 - Audiometric markers of cochlear synaptopathy and speech in noise deficits in humans

Rühle Moritz ⁽¹⁾ - Jakob Schirmer ⁽¹⁾ - Konrad Dapper ⁽¹⁾ - Jakob Wertz ⁽¹⁾ - Katharina Bader ⁽¹⁾ - Marlies Knipper ⁽¹⁾ - Sarah Verhulst ⁽²⁾ - Marjolee Wouters ⁽²⁾ - Etienne Gaudrain ⁽³⁾ - Deniz Baskent ⁽³⁾ - Matthias Munk ⁽¹⁾ - Lukas Rüttiger ⁽¹⁾ - Stephan Wolpert ⁽¹⁾ - Ernst Dalhoff ⁽¹⁾
(*Tuebingen, Germany* ⁽¹⁾ - *Ghent, Belgium* ⁽²⁾ - *Groningen, Netherlands* ⁽³⁾)

P3.01.02

id110 - Neuropathy of the inner ear due to plasma membrane Ca²⁺-ATPase mutations

Osamu Minowa ⁽¹⁾ - Takashi Daiho ⁽²⁾ - Kazuo Yamasaki ⁽²⁾ - Hiroshi Suzuki ⁽²⁾ - Atsushi Yoshiki ⁽³⁾ - Norihiro Tada ⁽¹⁾ - Nagomi Kurebayashi ⁽¹⁾ - Takashi Murayama ⁽¹⁾ - Kazusaku Kamiya ⁽¹⁾ - Yasushi Okazaki ⁽¹⁾ - Katsuhisa Ikeda ⁽¹⁾
(*Toyo, Japan* ⁽¹⁾ - *Asahikawa, Japan* ⁽²⁾ - *Tsukuba, Japan* ⁽³⁾)

P3.01.03

id3 - A Nationwide Population-based Study of Association between Age-related Hearing Loss and Cognitive Disorder in Korea

So Hyun Kim - Kyoung Ho Park - Kyoung Ho Park
(*Seoul, South Korea*)

02. Cochlear implant and implantable prosthesis

P3.02.01

id163 - The effectiveness of targeted electrical stimulation via cochlear implant on tinnitus perceived loudness

Walter Di Nardo ⁽¹⁾ - Tiziana Di Cesare ⁽¹⁾ - Angelo Tizio ⁽¹⁾ - Gaetano Paludetti ⁽¹⁾ - Anna Rita Fetoni ⁽²⁾
(*Roma, Italy* ⁽¹⁾ - *Napoli, Italy* ⁽²⁾)

P3.02.02

id44 - Anti-inflammatory coated cochlear implants in guinea pigs

Wiebke Behrends ⁽¹⁾ - Katharina Wulf ⁽²⁾ - Stefan Raggl ⁽³⁾ - Max Fröhlich ⁽¹⁾ - Thomas Eickner ⁽²⁾ - Dana Dohr ⁽²⁾ - Thomas Lenarz ⁽¹⁾ - Karl-Heinz Esser ⁽¹⁾ - Verena Scheper ⁽¹⁾ - Gerrit Paasche ⁽¹⁾
(*Hannover, Germany* ⁽¹⁾ - *Rostock, Germany* ⁽²⁾ - *Innsbruck, Austria* ⁽³⁾)

03. Developmental biology

P3.03.01

id79 - Epithelial formations in the developing human vestibular system: Newly identified dark cell areas

Edward van Beelen ⁽¹⁾ - Thijs Verhagen ⁽¹⁾ - Lucia Grijpink ⁽¹⁾ - John de Groot ⁽¹⁾ - Wijs Shadmanfar ⁽²⁾ - Heiko Locher ⁽¹⁾ - Peter Paul van Benthem ⁽¹⁾
(*Leiden, Netherlands* ⁽¹⁾ - *Eindhoven, Netherlands* ⁽²⁾)

04. Drug delivery system

P3.04.01

id32 - PLLA-coating of cochlear implant electrode arrays to release anti-inflammatory substances

Madeleine Goblet ⁽¹⁾ - Katharina Wulf ⁽²⁾ - Stefan Raggl ⁽²⁾ - Thomas Eickner ⁽³⁾ - Thomas Lenarz ⁽¹⁾ - Niels Grabow ⁽³⁾ - Gerrit Paasche ⁽¹⁾

(Hannover, Germany ⁽¹⁾ - Innsbruck, Austria ⁽²⁾ - Rostock, Germany ⁽³⁾)

P3.04.02

id61 - Increasing drug delivery to the inner ear using junctional regulation of round window membrane

Min Su Kim - Yang Yu - Yong-Ho Park

(Daejeon, Korea, Republic of)

P3.04.03

id102 - Development of a 3D-Printed Round Window Niche Implant for Controlled Drug Delivery *in vivo*

Chunjiang Wei - Ziwen Gao - Thomas Lenarz - Farnaz Matin-Mann - Verena Scheper

(Hannover, Germany)

P3.04.04

id66 - Investigation of Inner Ear Drug Delivery in Piglets with a Cochlear Catheter as a Representative Model for Human Cochlear Pharmacokinetics

Erdem Yildiz ⁽¹⁾ - Anselm Joseph Gadenstaetter ⁽¹⁾ - Matthias Gerlitz ⁽¹⁾ - Lukas Landegger ⁽¹⁾ - Michael

Nieratschker ⁽¹⁾ - Rudolf Glueckert ⁽²⁾ - Clemens Honeder ⁽¹⁾ - Hinrich Staecker ⁽²⁾ - Christoph Arnoldner ⁽¹⁾

(Vienna, Austria ⁽¹⁾ - Kansas, KS, United States ⁽²⁾)

05. Ear physiology

P3.05.01

id171 - The Exocytotic Characteristics of Mature Mammalian Vestibular Hair Cells

Paolo Spaiardi ⁽¹⁾ - Walter Marcotti ⁽²⁾ - Sergio Masetto ⁽¹⁾ - Stuart Johnson ⁽²⁾

(Pavia, Italy ⁽¹⁾ - Sheffield, UK ⁽²⁾)

06. Genetics of hearing loss and Gene therapy

P3.06.01

id136 - Molecular bases of hearing loss in Campania region (Italy)

Marco Miceli - Gabriella Esposito - Carmela Di Domenico - Tiziana Fioretti - Barbara Lombardo - Gennaro Auletta - Carla Laria - Antonella Castaldi - Simona Nappi - Chiara Quatrano - Annarita Fetoni - Annamaria Franze'

(Napoli, Italy)

P3.06.02

id140 - Overcoming the limits of Whole Exome Sequencing: the application of Whole Genome Sequencing for the molecular diagnosis of Hearing Loss

Giuseppe Giovanni Nardone - Francesca Crudele - Aurora Santin - Anna Morgan - Maria Pina Concas - Giorgia Giroto

(Trieste, Italy)

P3.06.03

id130 - There's more behind Hereditary Hearing Loss: molecular and phenotypic expansion of PPP1R12A-related disorder

Beatrice Spedicati ⁽¹⁾ - Anna Morgan ⁽¹⁾ - Livia Garavelli ⁽²⁾ - Giuseppe Giovanni Nardone ⁽¹⁾ - Aurora Santin ⁽¹⁾ - Giulia Pelliccione ⁽¹⁾ - Giulia Pianigiani ⁽¹⁾ - Paolo Gasparini ⁽¹⁾ - Giorgia Giroto ⁽¹⁾

(Trieste, Italy ⁽¹⁾ - Reggio Emilia, Italy ⁽²⁾)

P3.06.04

id125 - Pendred syndrome and related phenotypes: the definition of a molecular diagnosis

Paola Tesolin ⁽¹⁾ - Sebastian Roesch ⁽²⁾ - Silvia Dossena ⁽²⁾ - Sonny Zampollo ⁽³⁾ - Elisa Rubinato ⁽¹⁾ - Davide Brotto ⁽³⁾ - Anna Morgan ⁽¹⁾ - Giorgia Giroto ⁽¹⁾
(Trieste, Italy ⁽¹⁾ - Salzburg, Austria ⁽²⁾ - Padova, Italy ⁽³⁾)

P3.06.06

id34 - AAV2/7 is a Promising Vector to Transduce Spiral Ligament Fibrocytes in a Safe and Efficient Way

Dorien Verdoodt - Krystyna Szewczyk - Guy Van Camp - Peter Ponsaerts - Vincent Van Rompaey
(Antwerpen, Belgium)

07. Imaging and Anatomy

P3.07.01

id108 - Transmission electron microscopy cochlear images in deficiency of mitochondrial tRNA modification mice

Toru Miwa - Tatsuya Katsuno
(Kyoto, Japan)

P3.07.02

id65 - Positron emission tomography-based in-vivo imaging of tissue responses in the cochlear implanted guinea pig

Jana Schwieger - Jana Petro - Jens P. Bankstahl - Claas-Tido Peck - Thomas Lenarz - Georg Berding - Verena Scheper
(Hannover, Germany)

09. Nanotechnologies

P3.09.01

id27 - Efficiency of a dexamethasone nanosuspension as an intratympanic injection for acute hearing loss

Yoonho Kim - So-Young Jung - Dong-Kee Kim - Subin Kim
(Seoul, Korea, Republic of)

10. Noise induced hearing loss

P3.10.01

id122 - The Time Course of Monocytes Infiltration After Acoustic Overstimulation

Mi Hwa Shin - Haeng Ran Park - Minjin Kang - Hyoyeol Kim - Jinju Hong - Kangyoon Park
(Seoul, Korea, Republic of)

11. Otoprotection

P3.11.01

id45 - The effect of TrkB-selective agonist monoclonal antibody M3 on structure and function of the auditory nerve in deafened guinea pigs

Henk Vink ⁽¹⁾ - Dyan Ramekers ⁽¹⁾ - Alan Foster ⁽²⁾ - Huib Versnel ⁽¹⁾
(Utrecht, Netherlands ⁽¹⁾ - San Diego, CA, United States ⁽²⁾)

12. Ototoxicity

P3.12.01

id118 - mTORC2 inhibitor JR-AB2-011 on drug-induced ototoxicity in HEI-OC1 cells

Michael Lanz - Maurizio Cortada - Soledad Levano - Daniel Bodmer
(Basel, Switzerland)

P3.12.02

id147 - Ototoxic effects of drugs used in Covid-19 therapies in comparison to well-known ototoxic agent Cisplatin in male CBA JRJ mice

Sebastien Diot - Marion Souchal - Laetitia Leudiere - Gaëlle Naert - Sylvie Pucheu
(Montpellier, France)

13. Pharmacology of inner ear

P3.13.01

id134 - The Clinical Effect of Steroid Therapy on Preserving Residual Hearing after Cochlear Implantation with the Advanced Bionics HiRes Ultra 3D Cochlear Implant System

Magdalena Skarżyńska - Aleksandra Kołodziejak - Piotr Skarżyński - Elżbieta Gos
(Kajetany, Poland)

14. Physiopathology of Auditory Pathways

P3.14.01

id53 - Involvement of hearing system in type 1 diabetes mellitus

Mihály Horváth - Marianna Küstel - László Tamás - Péter Prekopp - Zoltán Herold - Anikó Somogyi - Anita Gáborján
(Budapest, Hungary)

P3.14.02

id80 - Machine-Learning-Based Audio Algorithms for Cochlear Synaptopathy Compensation: Which Speech Features are Enhanced?

Marjoleen Wouters ⁽¹⁾ - Fotios Drakopoulos ⁽¹⁾ - Sarah Verhulst ⁽¹⁾
(Ghent, Belgium)

15. Regeneration and Stem cells

P3.15.01

id112 - An inner ear organoid model of Meniere disease

Lidia Frejo Navarro - Francisca E. Cara - Alvaro Gallego-Martinez - Jose A. Lopez-Escamez
(Granada, Spain)

P3.15.02

id116 - Proof of principle of extracellular vesicle application in a cochlea implantation trauma model with guinea pigs preventing fibrosis and residual hearing loss

Susanne Sasse ⁽¹⁾ - Jennifer Harre ⁽¹⁾ - Odett Kaiser ⁽¹⁾ - Mario Gimona ⁽²⁾ - Eva Rohde ⁽²⁾ - Hinrich Staecker ⁽³⁾ - Thomas Lenarz ⁽¹⁾ - Athanasia Warnecke ⁽¹⁾
(Hannover, Germany ⁽¹⁾ - Salzburg, Austria ⁽²⁾ - Kansas City, KS, USA ⁽³⁾)

16. Tinnitus

P3.16.01

id168 - Neuroprotective Effect of Valproic Acid on Salicylate-Induced Tinnitus

Anji Song ⁽¹⁾ - Gwang-Won Cho ⁽¹⁾ - Karthikeyan A. Vijayakumar ⁽¹⁾ - Changjon Moon ⁽¹⁾ - Mary Jasmin Ang ⁽¹⁾ - Jahae Kim ⁽¹⁾ - Jahae Park ⁽²⁾ - Ilyong Park ⁽²⁾ - Chu Ho Jang ⁽¹⁾
(Gwangju, Korea, Republic of ⁽¹⁾ - Cheonan, Korea, Republic of ⁽²⁾)

17. Vestibular disorders

P3.17.01

id120 - Saccades Matter: Reduced need for caloric testing of cochlear implant candidates by joint analysis of v-HIT gain and corrective saccades

Constanza Fuentealba Bassaletti - Babette van Esch - Jeroen Briare - Peter Paul van Benthem - Erik Hensen - Johan Frijns
(Leiden, Netherlands)

P3.17.02

id30 - The infra-red utilization in therapy of Ménière disease

Elio Pagliarulo
(Galatina, Italy)

19. Miscellaneous

P3.19.01

id159 - A metabolomics-based approach to understanding the association between Sensorineural Hearing Loss and Mild Cognitive Impairment

Rita Malesci ⁽¹⁾ - Domenico D'Errico ⁽¹⁾ - Martina Lombardi ⁽²⁾ - Valeria Del Vecchio ⁽¹⁾ - Matteo Delli Carri ⁽³⁾ - Laura Carrabba ⁽¹⁾ - Tiziana Di Cesare ⁽⁴⁾ - Anna Rita Fetoni ⁽¹⁾ - Jacopo Troisi ⁽²⁾
(Napoli, Italy ⁽¹⁾ - Salerno, Italy ⁽²⁾ - Montecorvino Pugliano, SA, Italy ⁽³⁾ - Roma, Italy ⁽⁴⁾)

P3.19.02

id50 - Penetrating the pars petrosa: investigating human migration using strontium isotope analysis in archeological inner ears

Barbara Veselka ⁽¹⁾ - Heiko Locher ⁽²⁾ - John C.M.J. de Groot ⁽²⁾ - Gareth R. Davies ⁽³⁾ - Christophe Snoeck ⁽¹⁾ - Lisette M. Kootker ⁽³⁾
(Brussels, Belgium ⁽¹⁾ - Leiden, Netherlands ⁽²⁾ - Amsterdam, Netherlands ⁽³⁾)

P3.19.03

id113 - Adaptation method of a speech test for children 3-7 years into a different language

Gergely Pál Vasvári - Tamás Hacki - Klára Vicsi - László Tamás - Anita Gáborján
(Budapest, Hungary)