



<b>Sunday 21st September</b>	
<b>JOINT SYMPOSIUM WITH IAPA</b>	
09.00 - 18.00	<b>Auditory Imaging from the Cell to the Cortex</b>
	Chairpersons: <b>J. Ashmore, A. Serra</b> Moderators: <b>A. Martini, R. Pujol</b>
	<b>INTRODUCTION AND WELCOME</b> <i>A. Martini (Italy)</i>
	<b>Imaging of the cochlea: state of the art</b> <i>R. Pujol (France)</i>
	<b>Three-dimensional confocal microscopy of the mammalian cochlea</b> <i>G. MacDonald (USA)</i>
	<b>Visualization of multifunctional nanoparticles at light and electron microscopic level in in-vitro systems</b> <i>A. Schrott-Fischer (Austria)</i>
	<b>Synchrotron radiation-based micro computed tomography to visualize the cochlea- Three-dimensional Sub-cellular resolution with a non-destructive method</b> <i>R. Glueckert (Austria)</i>
	<b>Sensory and Signal transduction in the inner ear</b> <i>F. Mammano (Italy)</i>
	<b>Calcium imaging in cochlear slices</b> <i>J.-L. Puel (France)</i>
	<b>Imaging and Synapses</b> <i>M. Eybalin (France)</i>
	<b>The Human Cochlea - Can we regenerate its neurosensory elements?</b> <i>H. Rask-Andersen (Sweden)</i>
	<b>Magnetic resonance imaging for studying nanoparticles into the cochlea</b> <i>I. Pyykko (Finland)</i>
12.30 - 14.30	Lunch break
	Chairpersons: <b>G. Paludetti, J.-L. Puel</b> Moderators: <b>A. Martini, R. Pujol</b>

	<p><b>Imaging the Plasticity of the Central Auditory System on the Cellular and Molecular level</b>  <i>R. Illing (Germany)</i></p>
	<p><b>A "Realistic voyage through the imaging along the auditory pathways"</b>  <i>F. Calzolari (Italy)</i></p>
	<p><b>Functional MRI for hearing and language</b>  <i>F. Di Salle (Italy-The Netherlands)</i></p>
	<p><b>Brain imaging and recovery of speech comprehension in cochlear implanted deaf subjects</b>  <i>P. Barone (France)</i></p>
	<p><b>Hearing Music Images</b>  <i>Goffredo Haus, A. Mancuso (Italy)</i></p>
17.50	<b>Discussion</b>
18.00	Conclusion



<b>Monday 22<sup>nd</sup> September</b>	
08.30 – 09.00	<b>INTRODUCTORY LECTURE</b> <b>Allen Ryan</b>
09.00 – 10.45	<b>Advances in Hearing Science - I</b> <b>Special coverage on the NANOEAR Project</b> <b>Moderator: Ilmari Pyykko</b>
9.00	<b>INTRODUCTION: THE NANOEAR PROJECT</b> Pyykkö I (Finland)
9.15	<b>PRINCIPLES OF TARGETED NANOPARTICLE DELIVERY</b> Johnston AJ, Dalton PD, Perry VH, Newman TA (UK)
9.25	<b>FUNCTIONAL STEALTH COATINGS OF NANOPARTICLES AND APPLICATIONS IN THE INNER EAR</b> Groll J, Hildebrandt H, Keul H, Albrecht K, Moeller M (Germany)
9.35	<b>AFFINITY AND SELECTIVITY - CHOICE OF LIGANDS</b> Pavlovets S (UK)
9.45	<b>DRUG DELIVERY BY NANOPARTICLES – FROM DOCKING TO RELEASE</b> Löbler M <sup>1</sup> , Rohm HW <sup>1</sup> , Schmitz KP <sup>1</sup> , Johnston AH <sup>2</sup> , T. Newman TA <sup>2</sup> , Ranjan S <sup>3</sup> , Sood R <sup>3</sup> , Kinnunen PKJ <sup>3</sup> ( <sup>1</sup> Germany, <sup>2</sup> UK, <sup>3</sup> Finland)
9.55	<b>IN VITRO CULTURE OF AUDITORY NEURONS - HOW NEAR NATURE THEY ARE?</b> Rask-Andersen H, Anderson M, Boström M (Sweden)
10.05	<b>MANIPULATING MATH1 AND BDNF IN THE COCHLEA WITH NANOTECHNOLOGY</b> Jing Zou (Finland)
10.15	<b>LIPID CORE NANOPARTICULES, PAYLOAD AND CHOICE OF DRUGS</b> Wang J, Perrier T, François F, Lautram N, Saulnier P and JL Puel (France)
10.25	Discussion
10.45 – 11.00	Coffee break

11.00 – 12.30	<b>Normal Structure and Function - I</b> <b>Moderators: Tony Gummer and Susanne Braun</b>
11.00	<b>STUDIES ON PERIPHERAL AND CENTRAL HEARING FUNCTION IN TURNER SYNDROME</b> Hederstierna C, Rosenhall U, <u>Hultcrantz M</u> (Sweden)
11.15	<b>TRAUMA-INDUCED ALTERATION OF BDNF AND ARG3.1/ARC EXPRESSION IN THE AUDITORY SYSTEM</b> <u>Singer W</u> , Rüttiger L, Zuccotti A, Panford-Walsh R, Reinbothe T, Jaumann M, Rohbock K, Knipper M (Germany)
11.30	<b>DEVELOPMENT AND TIME COURSE OF UNILATERAL TINNITUS IN RATS USING SHORT DURATION NOISE EXPOSURE</b> <sup>2</sup> <u>Ralli M</u> , <sup>1</sup> Lobarinas E, <sup>2</sup> Paludetti G, <sup>1</sup> Salvi R ( <sup>1</sup> USA, <sup>2</sup> Italy)
11.45	<b>A MECHANISM FOR OTOACOUSTIC EMISSIONS (OAE)</b> Offutt G (USA)
12.00	<b>NONMUSCLE MYOSIN II REGULATES COCHLEAR ELONGATION THROUGH REGULATION OF CELL SIZE AND CONVERGENT EXTENSION</b> <u>Yamamoto N</u> <sup>1,2</sup> , Ito J <sup>1</sup> and Kelley MW <sup>2</sup> ( <sup>1</sup> Japan, <sup>2</sup> USA)
12.15	<b>RATE THRESHOLD OF AUDITORY NERVE FIBERS CAN BE PREDICTED ON THE BASIS OF THE SHAPE OF THE PERIOD HISTOGRAM</b> <u>Horst JW</u> <sup>1</sup> , Walsh E <sup>2</sup> , McGee JD <sup>2</sup> ( <sup>1</sup> The Netherlands, <sup>2</sup> USA)

12.30 – 14.30	Lunch break and <b>Poster presentation - I (EVEN numbers)</b> <b>Coordinators: Laura Astolfi and Rudy Glueckert</b>
	<b>P02</b> <b>NANOSIZED DRUG CARRIERS: UPTAKE AND TOXICITY OF HYPERBRANCHED POLYLYSINES AND LIPID NANOCAPSULES IN MOUSE FIBROBLASTS</b> Wolf M <sup>1</sup> , Scheper V <sup>1</sup> , Kadlecova Z <sup>2</sup> , Perrier T <sup>3</sup> , Klok H-A <sup>2</sup> , Saulnier P <sup>3</sup> , Lenarz T <sup>1</sup> , Stöver T <sup>1</sup> ( <sup>1</sup> Germany, <sup>2</sup> Switzerland, <sup>3</sup> France)
	<b>P04</b> <b>DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS INTO OTIC PROGENITOR CELLS</b> <u>Masaki K</u> , Starlinger V, Oshima K, Heller S (USA)
	<b>P06</b> <b>STIMULATION OF THE COCHLEA USING GREEN LASER LIGHT</b> Wenzel GI, Balster S, Zhang K, Lim HH, Ertmer* W, Lenarz T, <u>Reuter G</u> (Germany)
	<b>P08</b> <b>AN ANIMAL EXPERIMENTAL MODEL OF AUDITORY NEUROPATHY INDUCED IN RATS BY AUDITORY NERVE COMPRESSION</b> <u>Matsumoto M</u> <sup>1</sup> , Sekiya T <sup>2</sup> , Kojima K <sup>2</sup> , Ito J <sup>2</sup> ( <sup>1</sup> Germany, <sup>2</sup> Japan)
	<b>P10</b> <b>CLINICAL CHARACTERISTICS OF TINNITUS IN PATIENTS ATTENDED IN A UNIVERSITY HOSPITAL</b> Anastasio ART, Miyabara APE (Brazil)
	<b>P12</b> <b>CORRELATING AUDITORY BRAINSTEM RESPONSES (ABR) WITH LOCAL</b>

	<p><b>FIELD POTENTIALS USING AN ARTIFICIAL NEURAL NETWORK APPROACH</b> Jaumann M, Bogdan M, Rüttiger L, Knipper M (Germany)</p>
	<p><b>P14</b> <b>EXPRESSIONS OF AQUAPORINS, VASOPRESSIN TYPE2 RECEPTOR, AND Na<sup>+</sup>-K<sup>+</sup>-Cl<sup>-</sup> COTRANSPORTERS IN THE RAT ENDOLYMPHATIC SAC</b> Nishimura M, Kakigi A, Takeda T, Takeda S, Nishioka R, Doi K (Japan)</p>
	<p><b>P16</b> <b>EXPRESSION OF THE NA-K-2CL COTRANSPORTOR (NKCC-2) IN THE RAT ENDOLYMPHATIC SAC</b> <u>Akiyama K</u>, Miyashita T, Mori T, Inamoto R, Mori N (Japan)</p>
	<p><b>P18</b> <b>3D-COMPUTER MODEL OF ENDOLYMPHATIC HYDROPS</b> Teranishi M, Yoshida T, Katayama N, Hayashi H, Otake H, Nakata S, Sone M, Nakashima T (Japan)</p>
	<p><b>P20</b> <b>RESEQUENCING THE MITOCHONDRIAL DNA OF SUBJECTS WITH AGE-RELATED HEARING IMPAIRMENT</b> <u>E Van Eyken</u><sup>1</sup>, L Van Laer<sup>1</sup>, JR Huyghe<sup>1</sup>, E Franssen<sup>1</sup>, M Gerards<sup>2</sup>, A Hendrickx<sup>2</sup>, B Smeets<sup>2</sup>, G Van Camp<sup>1</sup> &amp; ARHI Consortium<sup>3</sup> (<sup>1</sup>Belgium, <sup>2</sup>The Netherlands)</p>
	<p><b>P22</b> <b>MOLECULAR ANALYSIS OF THE WAARDENBURG SYNDROME GENES PAX3 AND MITF</b> <u>Martella M</u><sup>1</sup>, Morbin G<sup>2</sup>, Morando C<sup>1</sup>, De Benedittis M<sup>3</sup>, Magnano San Lio A<sup>3</sup>, M, Orzan E<sup>3</sup>, Murgia A<sup>1</sup> (Italy)</p>
	<p><b>P24</b> <b>ARE MYO 1C AND MYO 1F ASSOCIATED WITH HEARING LOSS?</b> Zadro C<sup>1</sup>, Alemanno MS<sup>2</sup>, Bellacchio E<sup>3</sup>, FicarellaR<sup>4</sup>, Donaudy F<sup>4</sup>, Melchionda S<sup>2</sup>, Zelante L<sup>2</sup>, Vigliaroli L<sup>5</sup>, Rabionet RK<sup>6</sup>, Hilghert N<sup>7</sup>, Estivill X<sup>6</sup>, Van Camp G<sup>7</sup>, Gasparini P<sup>1</sup>, Carella M<sup>2</sup> (<sup>1,2,3,4,5</sup>Italy, <sup>6</sup>Spain, <sup>7</sup>Belgium)</p>
	<p><b>P26</b> <b>THE ROLE OF THE CA<sub>v</sub>1.2 CHANNEL IN THE COCHLEA</b> <u>Zuccotti A</u>, Guloglu O, Singer W, Geisler HS, Rohbock K, Bartsch D, Nothwang HG, Knippe M (Germany)</p>
	<p><b>P28</b> <b>MU-OPIOID RECEPTOR ACTIVATION MODULATES THE CALCIUM CURRENT IN THE AFFERENT NEURONS FROM THE RAT VESTIBULE</b> <u>Vega R</u>, Seseña E, Soto E (Mexico)</p>
	<p><b>P30</b> <b>SALYCILATES DECREASE AQP6 EXPRESSION IN THE MOUSE ORGAN OF CORTI</b> Tritto S, Botta L, Laforenza U, Gastaldi G, Valli P, Perin P (Italy)</p>
	<p><b>P32</b> <b>THE NATURE OF FORCES EXERTED BY THE TECTORIAL MEMBRANE ON OUTER HAIR CELLS</b> Lukashkina VA, Jones G, Lukashkin AN, Legan PK, Goodyear RJ, Richardson GP, Russell IJ (UK)</p>
	<p><b>P34</b> <b>ABSENCE OF PROGESTERONE RECEPTORS IN THE INNER OF RODENTS</b> <u>Elmqvist Stenberg A</u>, Simonoska R, Sahlin L, Hultcrantz M (Sweden)</p>
	<p><b>P36</b> <b>EXPRESSION OF GATA-1,-2,-3 AND PRESTIN mRNA IN THE ORGAN OF CORTI DURING EARLY POSTNATAL DEVELOPMENT OF RATS</b></p>

	<u>Gross J</u> , Stute K, Moller R, Fuchs J, Amarjargal N and Mazurek B (Germany)
	<b>P38</b> <b>ORGANIZATION OF AUDITORY CORTEX IN THE RAT</b> <u>Profant O</u> , Burianova J, Syka J (Czech Republic)
	<b>P40</b> <b>RECOVERY OF PRE –AND POSTSYNAPTIC ACTIVITY IN FROG SEMICIRCULAR CANAL AFTER GENTAMICIN TREATMENT</b> <u>Prigioni I</u> , Calzi D, Russo G, Gioglio L, Rossi ML (Italy)
	<b>P42</b> <b>TEM IMAGING AND TEM-TOMOGRAPHY OF THE TUBULIN STRUCTURES OF PILLAR CELLS IN GUINEA PIGS</b> Yarin Y M, Poznyakovskiy A A, Hamann B, de Robillard Q, Ferguson Ch, Müller-Reichert Th, Gärtner R, Zahnert Th (Germany)
	<b>P44</b> <b>ELECTRO-ACOUSTIC STIMULATION IN THE COCHLEA OF DEAFENED GUINEA PIGS</b> <u>Stronks HC</u> , Versnel H, Prijs VF, Klis SFL (The Netherlands)
	<b>P46</b> <b>DEVELOPMENTAL REGULATION OF GLYCINE RECEPTOR SUBUNITS IN THE MURINE COCHLEA</b> <u>Długaiczek J</u> , Buerbank S, Sterna E, Wendler O, Becker K, Schick B, Singer W, Engel J, Iro H, Knipper M (Germany)
	<b>P48</b> <b>HIGHLY REACTIVE OXYGEN SPECIES: VISUALIZATION DURING GENTAMICIN DAMAGE TO HAIR CELLS</b> <u>Ryan AF</u> , Pak K, Choung YH (USA)
	<b>P50</b> <b>MODIFICATION OF MEMBRANE LIPID ALTERS OUTER HAIR CELL ELECTROMOTILITY AND CAPACITANCE</b> Kitani R, Kakehata S, Murakoshi M, Wada H, Maruya SI, Abe T, Shinkawa H (Japan)
	<b>P52</b> <b>PROLIFERATION AND BIOACTIVITY OF BDNF PRODUCING FIBROBLASTS GROWN ON THE SURFACE OF CI-ELECTRODE DUMMIES</b> Sasse S, <u>Wissel K</u> , Hoffmann A, Warnecke A, Gross G, Lenarz T, Stöver T (Germany)
	<b>P54</b> <b>THE BRAIN ACTIVATION IN SUBJECTIVE VISUAL VERTICAL</b> <u>Kumagami H</u> , Kitaoka K, Terakado M, Sainoo Y, Fujiyama D, Kawata A, Yoshida H, Takasaki K, Takahashi H (Japan)
	<b>P56</b> <b>HAIR CELL DAMAGE AND TINNITUS AFTER NOISE- INDUCED HEARING LOSS</b> Wolpert S, Singer W, Zuccotti A, Knipper M and Rüttiger L (Germany)
	<b>P58</b> <b>OTOTOXIC EFFECT OF A DIRECT ROUND WINDOW APPLICATION OF KANAMYCINE AND FUROSEMIDE IN RATS</b> <u>Cediel Algovia R</u> , García Alcántara F, Vacas E, Murillo-Cuesta S, Contreras J, Rivero T, Varela-Nieto I (Spain)
	<b>P60</b> <b>INDUCTION OF THE ANTI-APOPTOTIC FACTOR REDUCES THE EXPRESSION OF INDUCIBLE NITRIC OXIDE SYNTHASE IN THE COCHLEA OF CISPLATIN INJECTED MICE</b> <u>Ken-ichi Watanabe</u> , Toshiaki Yagi (Japan)
	<b>P62</b>

	<p><b>IN VITRO PROTECTIVE EFFECTS OF DEXAMETHASONE AGAINST CISPLATIN OTOTOXICITY IN OCK3 MOUSE CELL LINE</b> Pannella M, Lanzoni I, Ciorba A, Astolfi L, Martini A (Italy)</p>
	<p><b>P64</b> <b>PROTECTION AGAINST NOISE INDUCED HEARING LOSS (NIHL) BY THE ADMINISTRATION OF FERULIC ACID IN THE GUINEA PIG</b> Fetoni AR, Ralli M, Piacentini R, Troiani D, Paludetti G (Italy)</p>
	<p><b>P66</b> <b>SRC INHIBITION IN CIPLATIN INDUCED HEARING LOSS</b> Fetoni AR, Bielefeld E, Coling D, Henderson D (USA)</p>
	<p><b>P68</b> <b>CHEMICAL LABYRINTHECTOMY WITH SIMPLIFIED AMINOGLYCOSIDE</b> <u>de Oliveira J</u>, Hyppolito M, da Silva J, Corrado A, Ito I, Carronal I (Brazil)</p>
	<p><b>P70</b> <b>EFFECTS OF NEUROTROPHIC FACTORS ON CULTURED ADULT AUDITORY NERVE CELLS</b> Boström M and <u>Rask-Andersen H</u> (Sweden)</p>
	<p><b>P72</b> <b>A TRANSGENIC MOUSE MODEL FOR THE DIFFERENTIAL EXPRESSION OF BDNF AFTER INJURY OF THE COCHLEA IN THE LIVING ORGAN</b> <u>Passeri E</u>, Geisler H-S, Panford-Walsh R, Singer W, Knipper M (Germany)</p>
	<p><b>P74</b> <b>COLOCALIZATION OF GRIN1 AND 4.1N AT THE SYNAPTIC REAGIONS OF INNER AND OUTER HAIR CELLS OF THE RAT COCHLEA</b> Kuramasu T, Hayashi K, Doi K, Kubo T, Sobue K (Japan)</p>
	<p><b>P76</b> <b>AN ANIMAL MODEL FOR COCHLEAR IMPLANTATION</b> <u>Quesnel S</u> Nguyen Y, Campo P, Couloigner V, Bozorg Grayeli A, Rudic M, Ferrary E, Sterkers O (France)</p>

14.30 – 16.30	<p><b>Normal Structure and Function – II</b> <b>Moderators: Marlies Knipper and Fred Nuttal</b></p>
14.30	<p><b>EXPOSURE TO REDUCED GRAVITY DECREASES JUNCTIONAL TRANSMISSION AT THE FROG LABYRINTH</b> <u>Fesce R</u>, Rubbini G, Martini M, Canella R, Leparulo A, Rossi ML (Italy)</p>
14.45	<p><b>HISTAMINE TYPE 3 RECEPTOR EXPRESSION IN MOUSE SCARPA'S GANGLIA</b> Tritto S, Botta L, Zampini V, Zucca G, Valli P, Masetto S (Italy)</p>
15.00	<p><b>INCREASE IN AUDITORY SENSITIVITY AFTER EMOTIONAL STRESS: A RAT MODEL</b> <u>Mazurek B</u>, Haupt H, Stöver T, Joachim RA, Klapp BF, Szczepek AJ (Germany)</p>
15.15	<p><b>ULTRA-STRUCTURE OF THE VESTIBULAR LABYRINTH IN MAN</b> <u>Palma S*</u>, Meyer zum Gottesberge A°, Boldrini P*, Nucci R*, Pareschi R*, Martini A* (*Italy, °Germany)</p>
15.30	<p><b>A COMPARISON BETWEEN GENTAMICIN AND CO-ADMINISTRATION OF KANAMYCIN AND FUROSEMIDE IN RELATION TO RECOVERY OF VESTIBULAR FUNCTION IN GUINEA PIGS</b> <u>Bremer HG</u>, Versnel H, de Groot JCMJ, Klis SFL (The Netherlands)</p>
15.45	<p><b>THE FUNCTION OF GATA3 IN INNER EAR DEVELOPMENT</b></p>

	<u>Milo M</u> , Kneebone A, Holley MC (UK)
16.00	<b>NOVEL FINDINGS IN INNER HAIR CELLS OF HYPOTHYROID RODENTS SHOWING EXOCYTOSIS IN THE ABSCENCE OF OTOFERLIN</b> <u>Franz C</u> , Kuhn S, Rüttiger L, Engel J, Blin N, Knipper M (Germany)
16.15	<b>ORGAN OF CORTI STRUCTURAL RESPONSES FOR ACOUSTIC AND ELECTRICAL STIMULATION</b> Zheng J, Chen F, Choudhury N, Jaques S, <u>Nuttall AL</u> (USA)

16.30 – 17.00	<b>Endolymph Homeostasis</b> Moderator: Angela Mayer
16.30	<b>ENDOLYMPHATIC IMAGING IN PATIENTS WITH INNER EAR DISEASES</b> <u>Nakashima T</u> , Naganawa S, Teranishi M, Sone M, Nakata S, Sugiura M, Katayama N, Yoshida T, Kasai S, Yoshioka M, Yamamoto M (Japan)
16.45	<b>PRESENCE OF THE FXVD6 IN THE ENDOLYMPHATIC SAC EPITHELIA</b> <u>Miyashita T</u> , Akiyama K, Inamoto R, Mori T, Mori N (Japan)
17.00 – 17.15	Coffee break

17.15 –18.30	<b>Protection and Regeneration - I</b> Moderators: Roberto Revoltella and Joe Santos-Sacchi
17.15	<b>THE POTENTIAL OF CELL THERAPY FOR HEARING LOSS CAUSED BY DEGENERATION OF THE SPIRAL LIGAMENT</b> <u>Nakagawa T</u> , Kada S, Ito J (Japan)
17.30	<b>NOGO IN THE MAMMALIAN COCHLEA</b> Bodmer D, Caelers A (Switzerland)
17.45	<b>INTERVENTION STRATEGIES FOR ARRESTING AND TREATING AGE-RELATED HEARING LOSS (ARHL) IN THE FISCHER 344/NHSD RAT</b> Bielefeld E, Chen GD, Li M, Tanaka C, Coling D, Henderson D (USA)
18.00	<b>COCHLEAR REPAIR BY TRANSPLANTATION OF HUMAN CORD BLOOD CD133+ CELLS TO NOD-SCID MICE MADE DEAF WITH KANAMYCIN AND NOISE</b> * <u>Revoltella RP</u> , *Papini S, *Rosellini A, *Michelini M, *Franceschini V, *Ciorba A, *Bertolaso L, *Agosso S, *Hatzopoulos S, *Lorito G, *Giordano P, *Simoni E, *Ognio E, *Cilli M, *Saccardi R, *Urbani S, *Jeffery R, °Poulsom R, and Martini A (Italy, °UK)
18.15	<b>INNER EAR REGENERATION BY INDUCED PLURIPOTENT STEM (iPS) CELLS</b> <u>Sakamoto T</u> , Nishimura K, Inaoka T, Nakagawa T, Ito J (Japan)
20.00 – 23.00	<b>Conference Gala Dinner</b> <i>Departure by bus at 19.30 from the "Giardini del Castello Estense" (Viale Cavour/Largo Castello, near the Castle)</i>



## Tuesday 23<sup>rd</sup> September

08.30 - 09.00	<b>Advances in Hearing Science – II</b> <b>Special coverage on the NANOEAR Project</b> <b>Moderator: Ilmary Pyykko</b>
08.30	<b>EFFECT OF DISULFIRAM-LOADED NANOPARTICLES ON COCHLEAR MORPHOLOGY IN MOUSE AND RAT</b> <u>Buckiova D</u> <sup>1</sup> , Chumak T <sup>1</sup> , Popelar J <sup>1</sup> , Ranjan S <sup>2</sup> , Sood R <sup>2</sup> , Kinnunen P K J <sup>2</sup> , Johnston A H <sup>3</sup> , Newman T A <sup>3</sup> , Syka J <sup>1</sup> ( <sup>1</sup> Czech Republic, <sup>2</sup> Finland; <sup>3</sup> UK)
08.40	<b>Effects of disulfiram on cochlear function in THE rat</b> <u>Popelar J</u> <sup>1</sup> , Chumak T <sup>1</sup> , Ranjan S <sup>2</sup> , Sood R <sup>2</sup> , Kinnunen P K J <sup>2</sup> , Johnston A H <sup>3</sup> , Newman T A <sup>3</sup> , Syka J <sup>1</sup> ( <sup>1</sup> Czech Republic, <sup>2</sup> Finland; <sup>3</sup> UK)
08.50	Discussion

09.00 – 10.45	<b>Normal Structure and Function – III</b> <b>Moderators: Agnieszka Szczepek and Jiri Popelar</b>
09.00	<b>APOPTOSIS IN THE NEUROGENIC OTIC EPITHELIUM</b> <u>Davies D</u> and Nobes K (UK)
09.15	<b>EXPRESSION OF PRO-INFLAMMATORY MARKERS DURING <i>IN VITRO</i> CULTURE OF THE ORGAN OF CORTI</b> <u>Szczepek AJ</u> , Yu Y, Mazurek B (Germany)
09.30	<b>IMPAIRMENT OF VESICULAR GLUTAMATE TRANSPORTER-3 (VGLUT3) UNDERLIES INNER HAIR CELL DYSFUNCTION IN NULL MICE AND NON-SYNDROMIC DEAFNESS DFNA25</b> <u>Ruel J</u> <sup>1</sup> , Emery S <sup>2</sup> , Nouvian R <sup>3</sup> , Bersot T <sup>1</sup> , Amilhon B <sup>1</sup> , Van Rybroek JM <sup>2</sup> , Rebillard G <sup>1</sup> , Lenoir M <sup>1</sup> , Eybalin M <sup>1</sup> , Delprat B <sup>1</sup> , Sivakumaran TA <sup>2</sup> , Giros B <sup>1</sup> , El Mestikawy S <sup>1</sup> , Moser T <sup>3</sup> , Smith RJH <sup>2</sup> , Lesperance MM <sup>2</sup> and Puel JL <sup>1</sup> ( <sup>1</sup> France, <sup>2</sup> USA, <sup>3</sup> Germany)
09.45	<b>A METHOD FOR CONFOCAL MICROSCOPY OF THE INTACT MAMMALIAN INNER EAR</b> MacDonald G (USA)
10.00	<b>DEVELOPING THE ANATOMICAL MODEL OF THE VESTIBULAR CALYX ENDING: REGIONS 3 AND 4, THE INITIAL SEGMENT AND HEMINODE REGIONS</b> Lysakowski A <sup>1</sup> , Calin-Jageman I <sup>1</sup> , Gaboyard S <sup>2</sup> , Chatlani S <sup>1</sup> , Price SD <sup>1</sup> , Goldberg JM <sup>1</sup> ( <sup>1</sup> USA, <sup>2</sup> France)
10.15	<b>BETAHISTINE ACTIONS ON THE PRIMARY AFFERENT ACTIVITY IN THE ISOLATED RODENT VESTIBULE</b> Soto E, Ortega A, Vega R (Mexico)
10.30	<b>PHALANGEAL CELLS SPECIFIC GENE CONTROL BY USING NOVEL INNER-EAR SPECIFIC SOX21 ENHANCER</b> Fujioka M 1) 2), Nakagawa F 3), Okano HJ 3), Okano H 3), Edge A 1) 2) ( <sup>1,2</sup> USA, <sup>3</sup> Japan)
10.45 – 11.15	Coffee break

11.15 – 12.45	<b>Deafness Genes</b> <b>Moderators: Karen Avraham and Paolo Gasparini</b>
11.15	<b>CHARACTERIZATION OF THE <i>DFNA5</i> REGULATORY REGION</b> Van Laer L, Vrijens K, Van Camp G (Belgium)
11.30	<b>MYOSIN VI CAN NO LONGER WALK: TALES FROM AN ENU MOUSE MUTANT</b> Hertzano R <sup>1</sup> , Shalit E <sup>1</sup> , Rzadzinska AK <sup>2</sup> , Dror AA <sup>1</sup> , Song L <sup>3</sup> , Ron U <sup>1</sup> , Tan JT <sup>3</sup> , Starovolsky Shitrit A <sup>1</sup> , Fuchs H <sup>4</sup> , Hasson T <sup>3</sup> , Ben-Tal N <sup>1</sup> , Lee Sweeney H <sup>3</sup> , Hrabec de Angelis M <sup>4</sup> , Steel KP <sup>2</sup> , <u>Avraham KB</u> <sup>1</sup> ( <sup>1</sup> Israel, <sup>2</sup> UK, <sup>3</sup> USA, <sup>4</sup> Germany)
11.45	<b>IN SILICO ANALYSIS OF PENDRIN</b> <u>Leonardi E</u> , <sup>2</sup> Vanin S, <sup>3</sup> Orzan E, <sup>1</sup> Murgia A, <sup>2</sup> Tosatto S (Italy)
12.00	<b>MUTATIONAL ANALYSIS OF SLC26A4 AND FOXI1 IN INDIVIDUALS WITH HEARING LOSS AND INNER EAR MALFORMATIONS</b> <u>Leonardi E</u> , Martella M, Morando C, Orzan E, Murgia A (Italy)
12.15	<b>RETROSPECTIVE EVALUATION OF GENOTYPE-PHENOTYPE CORRELATION IN CONNEXIN 26 HEARING IMPAIRMENT</b> <u>Orzan E</u> , Leonardi E, Turato R, Morando C, Martella M, Murgia A (Italy)
12.30	<b>GJB2 ANALYSIS AND ORAL HABILITATION SUCCESS IN PORTUGUESE COCHLEAR IMPLANT USERS</b> Chora J, Matos T, Andrade S, Martins J, Alves M, Silva L, Ribeiro C, Fialho G, Caria H (Portugal)

12.45 – 14.15	Lunch break and <b>Poster presentation - II (ODD numbers)</b> <b>Coordinators: Anna Rita Fetoni and Andrei Lukashkin</b>
	<b>P01</b> <b>NOVEL DRUG CARRIER FOR INNER EAR TREATMENT – HYPERBRANCHED POLYLYSINES and LIPID NANOCAPSULES</b> <u>Scheper V</u> <sup>1</sup> , Wolf M <sup>1</sup> , Kadlecova Z <sup>2</sup> , Perrier T <sup>3</sup> , <u>Klok H-A</u> <sup>2</sup> , Saulnier P <sup>3</sup> , Lenarz T <sup>1</sup> , Stöver T <sup>1</sup> ( <sup>1</sup> Germany, <sup>2</sup> Switzerland, <sup>3</sup> France)
	<b>P03</b> <b>HUMAN AND EXPERIMENTAL FINDINGS OF IN VITRO CULTURED AUDITORY NEURONS - THE POTENTIAL OF NANOPARTICLES FOR DRUG DELIVERY</b> Anderson M and Rask-Andersen H (Sweden)
	<b>P05</b> <b>LONG-TERM NANOPARTICLE DELIVERY TO THE MIDDLE EAR OF RATS USING A MICRO-OSMOTIC PUMP</b> <u>Chumak T</u> <sup>1</sup> , Popelar J <sup>1</sup> , Ranjan S <sup>2</sup> , Sood R <sup>2</sup> , Kinnunen P K J <sup>2</sup> , Johnston A H <sup>3</sup> , Newman T A <sup>3</sup> , Syka J <sup>1</sup> ( <sup>1</sup> Czech Republic, <sup>2</sup> Finland, <sup>3</sup> UK)
	<b>P07</b> <b>INFLUENCE OF COCHLEAR IMPLANTATION ON RESIDUAL HEARING: A JAPANESE EXPERIENCE</b> <u>Ito K</u> , Akamatsu Y, Ogata E, Yamasoba T (Japan)
	<b>P09</b> <b>ATTENUATION OF TINNITUS: A NOVEL STRATEGY USING INNER EAR DRUG DELIVERY SYSTEM</b>

	<u>Horie R</u> , Sakamoto T, Nakagawa T, Tabata Y, Juichi I (Japan)
	<b>P11</b> <b>THE FUNCTIONALITY TO COCHLEAR AND NEURAL IN THE AUDITORY NEUROPATHY/AUDITORY DYS-SYNCHRONY</b> Anastasio ART, Alvarenga KF, Costa OA (Brazil)
	<b>P13</b> <b>EXPRESSION OF AQUAPORIN1, 3, AND 4, NKCC1, AND NKCC2 IN THE HUMAN ENDOLYMPHATIC SAC</b> Kakigi A, Nishimura M, Takeda T, Taguchi D, Nishioka R (Japan)
	<b>P15</b> <b>THE EFFECT OF ISOPROTERENOL ON THE HYDROSTATIC PRESSURE OF COCHLEAR ENDOLYMPH</b> <u>Inamoto R</u> , Miyashita T, Akiyama K, Mori T, Mori N (Japan)
	<b>P17</b> <b>EXPRESSION OF P2Y RECEPTORS IN THE RAT ENDOLYMPHATIC SAC</b> <u>Mori T</u> , Miyashita T, Akiyama K, Inamoto R, Mori N (Japan)
	<b>P19</b> <b>THERMOLYSIN ALLOWS THE WHOLE MOUNT PREPARATION OF THE RAT ENDOLYMPHATIC SAC</b> Taguchi D <sup>a</sup> , Gleiser C <sup>b,c</sup> , Hirt B <sup>b,c</sup> , Mueller A <sup>b</sup> , Eckhard A <sup>b,c</sup> , Mueller M <sup>b</sup> , Loewenheim H <sup>b</sup> ( <sup>a</sup> Japan, <sup>b,c</sup> Germany)
	<b>P21</b> <b>MOLECULAR ANALYSIS OF 349 SENSORINEURAL HEARING IMPAIRED SUBJECTS IN CAMPANIA REGION</b> Franze A, Chinetti V, Iossa S, <u>Lilli G</u> , Riccardi P, Nardo MP, Fagioli C, Laria C, Auletta G, Malesci R, Carrabba L, De Luca M, Giannini P, Marciano E (Italy)
	<b>P23</b> <b>TRANSCRIPTOME ANALYSIS OF THE INSULIN-LIKE GROWTH FACTOR I NULL MOUSE MUTANT COCHLEA</b> <u>Rodriguez de la Rosa L</u> <sup>1,2</sup> , Sanchez-Calderon H <sup>1,2,3</sup> , Milo M <sup>3</sup> , Pichel JG <sup>4</sup> , Holley <sup>3</sup> M and Varela-Nieto I <sup>1,2</sup> ( <sup>1,2,4</sup> Spain, <sup>3</sup> UK)
	<b>P25</b> <b>PROPERTIES OF THE SINGLE CALCIUM CHANNELS Ca<sub>v</sub>1.3 IN MOUSE COCHLEAR INNER HAIR CELLS</b> <u>Zampini V</u> <sup>1</sup> , Johnson S <sup>2</sup> , Masetto S <sup>1</sup> , Marcotti W <sup>2</sup> ( <sup>1</sup> Italy, <sup>2</sup> UK)
	<b>P27</b> <b>LOW-VOLTAGE ACTIVATED POTASSIUM CHANNELS REGULATE INTRINSIC FIRING PROPERTIES OF RAT VESTIBULAR GANGLION CELLS</b> <u>Sahara Y</u> , Chihara Y, Ito K, Iwasaki S (Japan)
	<b>P29</b> <b>HOMOCYSTEINE AS A REGULATORY FACTOR IN THE STRIA VASCULARIS?</b> <u>Mistrik P</u> , Ashmore J (UK)
	<b>P31</b> <b>IC CELL RESPONSES IN TINNITUS</b> <u>Kugel S</u> , Knipper M, Rüttiger L (Germany)
	<b>P33</b> <b>SEX-HORMONE RECEPTORS IN THE HUMAN INNER EAR</b> <u>Simonoska R</u> <sup>1</sup> , Elmqvist Stenberg A <sup>1</sup> , Hultcrantz M <sup>1</sup> , Sahlin L <sup>2</sup> , Schrott-Fisher A <sup>3</sup> ( <sup>1,2</sup> Sweden, <sup>3</sup> Austria)
	<b>P35</b> <b>DEVELOPMENTAL CHANGES IN EXOCYTOSIS FROM APICAL AND BASAL</b>

	<p><b>IHCS OF THE GERBIL COCHLEA</b>  <u>Johnson SL</u><sup>1</sup>, Forge A<sup>2</sup>, Knipper M<sup>3</sup>, Münkner S<sup>4</sup> &amp; Marcotti W<sup>1</sup> (<sup>1,2</sup>UK, <sup>3,4</sup>Germany)</p>
	<p><b>P37</b>  <b>DIABETES TYPE 2 IN ZDF RATS CAUSES DAMAGE OF MELANOCYTES-LIKE INTERMEDIATE CELLS OF THE STRIA VASCULARIS OF THE INNER EAR</b>  <u>Meyer zum Gottesberge AM</u>, <sup>1</sup>Lange A, <sup>1</sup>Massing T, <sup>2</sup>Palma S, <sup>2</sup>Boldrini P, <sup>3</sup>Schäfer S(3) (<sup>1,3</sup>Germany, <sup>2</sup>Italy)</p>
	<p><b>P39</b>  <b>HOW DOES CALORIC STIMULATION INFLUENCE SPATIO-TEMPORAL PATTERN OF VESTIBULAR INFORMATION PROCESSING?</b>  <u>Aragri A</u><sup>3</sup>, Esposito F<sup>1,2</sup>, Marcelli V<sup>1</sup>, Furia T<sup>1</sup>, <u>Riccardi P</u><sup>1</sup>, <u>Lilli G</u><sup>1</sup>, Tosetti M<sup>4</sup>, Biagi L<sup>4</sup>, Marciano E<sup>1</sup>, Di Salle F<sup>2,4,5</sup> (<sup>1,3,4,5</sup>Italy, <sup>2</sup>The Netherlands)</p>
	<p><b>P41</b>  <b>GENERATION OF A TAMOXIFEN INDUCIBLE HAIR CELL SPECIFIC TRβ1 KNOCK-OUT MOUSE MODEL</b>  <u>Dettling J</u><sup>1</sup>, Franz C<sup>1</sup>, Zimmermann U<sup>1</sup>, Rüttiger L<sup>1</sup>, Zuo J<sup>2</sup>, Feil R<sup>3</sup>, Flamment<sup>4</sup>, Knipper M<sup>1</sup>(<sup>1,3</sup>Germany, <sup>2</sup>USA, <sup>4</sup>France)</p>
	<p><b>P43</b>  <b>INTERACTION PARTNERS OF OTOFERLIN</b>  <u>Duncker S V</u>, Heidrych P, Bress A, Pfister M, Zimmermann U, Ruth P, Blin N, Knipper M (Germany)</p>
	<p><b>P45</b>  <b>INFLUENCE OF BRIEF NOISE EXPOSURE IN JUVENILE RATS ON THE DEVELOPMENT OF THE TUNING PROPERTIES OF INFERIOR COLLICULUS NEURONS</b>  <u>Bures Z</u>, Grecova J, Popelar J, Suta D, Syka J (czech Republic)</p>
	<p><b>P47</b>  <b>MOLECULAR BIOLOGICAL STUDIES OF THE INNER EAR</b>  Rask-Andersen M<sup>1</sup>, Liu W<sup>1,2</sup>, Boström M<sup>1</sup>, Rask-Andersen H<sup>1</sup> (<sup>1</sup>Sweden, <sup>2</sup>China)</p>
	<p><b>P49</b>  <b>RETINOIC ACID-INDUCED NEURAL DIFFERENTIATION OF MOUSE P19 EMBRYONIC CARCINOMA CELLS</b>  Beggiato S, Guaran V, Ciorba A, Astolfi L, Martini A (Italy)</p>
	<p><b>P51</b>  <b>RNA INTERFERENCE TARGETING P27 CAN INDUCE CELL CYCLE RE-ENTRY FOLLOWED BY MITOSIS IN MAMMALIAN COCHLEAR SUPPORTING CELLS</b>  <u>Ono K</u>, Nakagawa T, Kojima K, Matsumoto M, Kawauchi T, Hoshino M, Ito J (Japan)</p>
	<p><b>P53</b>  <b>GLUCOCORTICOID RECEPTORS AND 11BETA-HYDROXYSTEROID DEHYDROGENASE ISOFORMS IN THE RAT INNER EAR</b>  <u>Terakado M</u>, Sainoo Y, Takasaki K, Kumagami H, Takahashi H (Japan)</p>
	<p><b>P55</b>  <b>HEARING FUNCTION IN MYOTONIC DYSTROPHY</b>  Di Girolamo S, Massa R, Saccoccio A, Fanari ML, Giacomini PG, Ottaviani F (Italy)</p>
	<p><b>P57</b>  <b>DELETION OF CGMP-DEPENDENT PROTEIN KINASE CGKI ELEVATES VIOLABILITY FOR NOISE-INDUCED HEARING LOSS</b>  Rüttiger L, Dettling J, Feil R, Knipper M (Germany)</p>
	<p><b>P59</b>  <b>EFFECTS OF METAL IONS ON FIBROBLASTS AND SPIRAL GANGLION CELLS</b></p>

	Paasche G <sup>1</sup> , Gomes P <sup>1,2</sup> , Rösl C <sup>1</sup> , Berkingali N <sup>1</sup> , Barcikowski S <sup>3</sup> , Hahn A <sup>3</sup> , Sternberg K <sup>4</sup> , Lenarz T <sup>1</sup> , Stoever T <sup>1</sup> ( <sup>1,3,4</sup> Germany, <sup>2</sup> Belgium)
	<b>P61</b> <b>PROTECTIVE EFFECTS OF GINKGO BILOBA EXTRACT AGAINST CISPLATIN OTOTOXICITY</b> Simoni E, Donnarumma T, Astolfi L, Ciorba A, Martini A (Italy)
	<b>P63</b> <b>D-METHIONINE (D-MET) PROTECTION FROM AMINOGLYCOSIDE-INDUCED OTOTOXICITY AND NEPHROTOXICITY WITHOUT ANTIMICROBIAL INTERFERENCE: PRECLINICAL STUDIES</b> Campbell KCM, Hughes LF, Rybak LP, Meech RP, Roberts M, Speil C, Khardori N, and Cooper M (USA)
	<b>P65</b> <b>PROTECTIVE EFFECTS IN VIVO OF DEXAMETHASONE AGAINST CISPLATIN-INDUCED TOXICITY</b> Magosso S, Cascella V, Astolfi L, Ciorba A, Martini A (Italy)
	<b>P67</b> <b>GINKGO BILOBA IN NOISE INDUCED HEARING LOSS: PRELIMINARY RESULTS</b> Lorito G, Giordano P, Sathiyaseelan T, Martini A, Hatzopoulos S (Italy)
	<b>P71</b> <b>TRANSPLANTATION OF BONE-MARROW STROMAL CELL-DERIVED NEURAL PROGENITORS FOR REGENERATION OF THE SPIRAL GANGLION NEURONS</b> Ogita H, Nakagawa T, Inaoka T, Sakamoto T, Ito J (Japan)
	<b>P73</b> <b>REDUCED VARIABILITY OF DEXAMETHASONE LEVELS IN THE PERILYMPH OF THE COCHLEA AFTER SINGLE SHOT INJECTONS THROUGH THE ROUND WINDOW MEMBRANE</b> Hahn H <sup>1</sup> , Biegner T <sup>1</sup> , Kammerer B <sup>2</sup> , Delabar U <sup>2</sup> , Salt AN <sup>3</sup> , Plontke SK <sup>1</sup> ( <sup>1,2</sup> Germany, <sup>3</sup> USA)
	<b>P75</b> <b>THE ULTRASTRUCTURAL DISTRIBUTION OF PRESTIN IN COCHLEAR HAIR CELLS</b> Mahendrasingham S <sup>1</sup> , Furness DN <sup>1</sup> , Fettiplace R <sup>2</sup> and Hackney CM <sup>3</sup> ( <sup>1,3</sup> UK, <sup>2</sup> USA)
14.15 - 14.30	<b>IEB Group Photo</b>
14.30 - 15.15	Business meeting

15.15 – 17.00	<b>Ototoxicity</b> <b>Moderators: Jean-Luc Puel and Stavros Hatzopoulos</b>
15.15	<b>LOCAL ADMINISTRATION OF THIOSULFATE REVEALS HIGH PERILYMPHATIC CONCENTRATION</b> P Videhult Pierre, C Engmér, T Bramer, H Ehrsson, G Laurell (Sweden)
15.30	<b>CISPLATIN OTOTOXICITY: A SEM AND TEM STUDY ON INNER EAR AND NEUROMASTS OF ZEBRAFISH LARVAE</b> Giari L, Capuano S, Magosso S, Dezfuli BS, Martini A (Italy)
15.45	<b>NOISE CONDITIONING IN CISPLATIN INDUCED OTOTOXICITY: A PILOT STUDY</b>

	<u>Theneshkumar S</u> <sup>1</sup> , Lorito G <sup>1</sup> , Magosso S <sup>1</sup> , Pietro G <sup>1</sup> , Petruccelli J <sup>2</sup> , Martini A <sup>1</sup> , Hatzopoulos S <sup>1</sup> ( <sup>1</sup> Italy, <sup>2</sup> USA)
16.00	<b>IS THRESHOLD SHIFT AFTER IMPLANTATION AND LOCAL CORTICOSTEROID TREATMENT CORRELATED WITH TISSUE GROWTH IN THE COCHLEA? AN ELECTROPHYSIOLOGICAL AND HISTOLOGICAL EVALUATION</b> <u>Braun S</u> <sup>1,3</sup> , Magosso S <sup>2</sup> , Astolfi L <sup>2</sup> , Gstöttner W <sup>1</sup> , Tillein J <sup>1,3</sup> ( <sup>1</sup> Germany, <sup>2</sup> Italy, <sup>3</sup> Austria)
16.15	<b>Antioxidants attenuate noise induced hearing loss in a guinea pig model</b> <u>Fetoni AR</u> <sup>1</sup> , Rizzo D <sup>1</sup> , La Greca C <sup>1</sup> , Ralli M <sup>1</sup> , Troiani D <sup>2</sup> , Paludetti G <sup>1</sup>
16.30	<b>HISTONE MODIFICATION MODULATES HAIR CELL DEATH IN THE MOUSE COCHLEA</b> Sha S-H, Chen F-Q, Schacht J (USA)
16.45	<b>OXIDATIVE STRESS AND CELLULAR STRESS RESPONSE IN MENIERE'S DISEASE: ROLE OF VITAGENES</b> Serra A, Calabrese V, MAiolino L, Poli G, Grillo C, Bonfiglio M (Italy)
17.00 – 17.30	Coffee break

17.30 – 18.30	<b>Protection and Regeneration - II</b> <b>Moderators: Tom Van de Water and Su-Hua Sha</b>
17.30	<b>EXTRACELLULAR PROTEASES MODULATE THE DIFFERENTIATION OF SPIRAL GANGLION NEURONS FROM HUMAN FETAL AUDITORY STEM CELLS (HFASCS)</b> Trachoo O and <u>Rivolta MN</u> (UK)
17.45	<b>NEURITE OUTGROWTH ON CULTURED SPIRAL GANGLION NEURONS INDUCED BY ERYTHROPOIETIN</b> <u>Warnecke A</u> <sup>1</sup> , Berkingali N <sup>1</sup> , Gomes P <sup>1,2</sup> , Paasche G <sup>1</sup> , Lenarz T <sup>1</sup> , Stöver T <sup>1</sup> ( <sup>1</sup> Germany, <sup>2</sup> Belgium)
18.00	<b>THERAPEUTIC POTENTIAL OF ENCAPSULATED NEUROPROTECTIVE CELLS IN THE COCHLEA</b> <u>Andrew J K</u> <sup>1,2</sup> , Geaney, M S <sup>3</sup> , Skinner, S J M <sup>3</sup> , and Shepherd R K <sup>1,2</sup> ( <sup>1,2</sup> Australia, <sup>3</sup> New Zealand)
18.15	<b>POLYMER-ELUTED DEXAMETHASONE PROTECTS AUDITORY HAIR CELLS FROM TNF-ALPHA INDUCED APOPTOSIS BY MODULATING THE TRANSCRIPTION OF APOPTOSIS-RELATED GENES: CLINICAL IMPLICATIONS</b> Van De Water TR; Dinh C; Hoang K; Haake S; Hoosien G; Eshraghi AA; Chen S; Nong E; Balkany TJ (USA)

## Wednesday 24<sup>th</sup> September

08.30 – 09.45	<b>Micromechanics and Ionic signalling</b> <b>Moderators: Jonathan Ashmore and Fabio Mammano</b>
08.30	<b>HIGH SENSITIVITY OF THE COCHLEA TO MECHANICAL STIMULATION OF THE ROUND WINDOW</b> Lukashkin AN, Jiang D, Russell IJ (UK)
08.45	<b>The significance of the cochlear gradient in outer hair cell channel density</b> Mitrik P, <u>Ashmore J</u> (UK)
09.00	<b>RAF KINASES ACTIONS IN INNER EAR DEVELOPMENT</b> <u>Magariños M</u> <sup>1,2</sup> , Rodríguez Aburto M <sup>1,2</sup> , Rapp U <sup>3</sup> , Varela-Nieto I <sup>1,2*</sup> ( <sup>1,2</sup> Spain, <sup>3</sup> Germany)
09.15	<b>Role of tumor necrosis factor <math>\alpha</math> (TNF<math>\alpha</math>) in the inner ear microcirculation and its implication for the treatment of hearing loss: from bench to bedside</b> <u>Scherer EQ</u> <sup>1</sup> , Lidington D <sup>4</sup> , Pitson SM <sup>3</sup> , Pohl U <sup>2</sup> , Bolz SS <sup>4</sup>
09.30	<b>FAST PERTURBATIONS OF THE OHC MOTOR</b> Santos-Sacchi J, Song L and Li X (USA)

09.45 – 10.15	<b>Deafness Genes – II</b> <b>Moderator: Josef Syka</b>
09.45	<b>THE CONTROVERSIAL R127H MUTATION IN <i>GJB2</i>: REPORT ON THREE PORTUGUESE HEARING LOSS FAMILY CASES</b> Matos T D <sup>1</sup> , O'Neill A <sup>3</sup> , Rosa H <sup>4</sup> , Caria H <sup>1,2</sup> , Fialho G <sup>1</sup>
10.00	<b>HEARING FUNCTION IN HETEROZYGOUS CARRIERS OF PATHOGENIC MUTATIONS IN THE <i>GJB2</i></b> <u>Syka J</u> , Jilek M, Groh D, Kabelka Z, Kluh J, Betka J, Seeman P (Czech Republic)
10.15 – 10.45	Coffee break

10.45 – 12.30	<b>Clinical Studies</b> <b>Moderators: Kathleen Campbell and Giancarlo Cianfrone</b>
10.45	<b>FREQUENCY BAND ASSIGNMENT TO ELECTRODES AFFECTS IMPLANTED PATIENTS' MUSICAL PITCH RANKING AND MELODY RECOGNITION ABILITIES</b> Di Nardo W, Cianfrone F, <u>Scorpecci A</u> , Giannantonio S, Paludetti G (Italy)
11.00	<b>CORRELATIONS BETWEEN THE SLOPE CHARACTERISTICS OF THE HEARING THRESHOLD AND TINNITUS</b> Cianfrone G, <u>Mazzei F</u> , Pulice G, Altissimi G, Orlando MP (Italy)
11.15	<b>ANTIOXIDANTS IN INNER EAR PROTECTION AND TINNITUS CONTROL: SOME OBSERVATIONS</b> Cianfrone G, <u>Mazzei F</u> , Passi S, Altissimi G (Italy)
11.30	<b>ELUTION OF DEXAMETHASONE FROM A COCHLEAR IMPLANT. RELEASE PROFILES AND EFFICACY EVALUATION</b> Kiefer J <sup>1,2</sup> , Liu Y <sup>1</sup> , <u>Fauser C</u> <sup>1</sup> , Jolly C <sup>3</sup> , Schneider H <sup>1</sup> , Steinhof J <sup>1</sup> , Ebenhoch H <sup>1</sup> , Muller J <sup>1</sup> , Lohner A <sup>1</sup> , Hauber K <sup>1</sup> , Arnold W <sup>1</sup> ( <sup>1,2</sup> Germany, <sup>3</sup> Austria)
11.45	<b>SEMI-CHRONIC APPLICATION OF DEXAMETHASONE AND OTHER DRUGS DURING AND AFTER COCHLEAR-IMPLANTATION</b> <u>Jolly C</u> <sup>1</sup> , Garnham C <sup>1</sup> , Kiefer J <sup>2</sup> , Truy E <sup>3</sup> , Farahmand F <sup>4</sup> , Mirzadeh H <sup>4</sup> , Martini A <sup>5</sup> ( <sup>1</sup> Austria, <sup>2</sup> Germany, <sup>3</sup> France, <sup>4</sup> Iran, <sup>5</sup> Italy)
12.00	<b>COENZYME Q ADMINISTRATION IN SUDDEN SENSORINEURAL HEARING LOSS</b> <u>Cianfrone F</u> , Cadoni G, Scorpecci A, Giannantonio S, Paludetti G (Italy)
12.15	<b>COCHLEAR IMPLANTATION IN POSTLINGUALLY DEAF YOUNG GIRL WITH BILATERAL OSSIFIED AND FIBROTIC COCHLEAE</b> Benincasa P, Negri M, Guarnaccia MC, Guida M, Galli S (Italy)
12.30	End of the Workshop