

**Postersession I, Wednesday, March 14, 13:15-14:00**

<b>TOPIC: EPIDEMIOLOGY</b>	
156	<p><b>Identifying Non-otologic Risk Factors for Tinnitus: A Systematic Review</b></p> <p>Jens Debacker, <a href="#">Ann Deklerck</a>, Hannah Keppler, Ingeborg Dhooge</p>
185	<p><b>The Incidence of Tinnitus and Prediction of Tinnitus Harm</b></p> <p><a href="#">Inge Stegeman</a>, Diane {A.L.} Smit</p>
217	<p><b>The Swedish Tinnitus Outreach Project - An Update</b></p> <p><a href="#">Niklas Karl Edvall</a>, Jonathon P. Whitton, Leslie A. Shinobu, Barbara Canlon, Christopher Cederroth</p>
<b>TOPIC: DIAGNOSTICS</b>	
223	<p><b>When MRI should be Recommended for Tinnitus Patients?</b></p> <p><a href="#">Dong-Hee Lee</a></p>
<b>TOPIC: AUDITIVE STIMULATION, INCL HEARING AIDS &amp; COCHLEAR IMPLANTS</b>	
122	<p><b>Chronic Subjective Tinnitus Therapy using Tailor-made Notched Music Training</b></p> <p><a href="#">Mingfang Diao</a>, Ruru Tian, Jianjun Sun</p>
154	<p><b>Safe and Effective Tinnitus Treatment by Non-invasive Electric Stimulation: Characterizing the Effect of Electrode Montages, Sites, and Stimulation Parameters on Auditory Perception</b></p> <p><a href="#">Fan-Gang Zeng</a>, Phillip Tran, Matthew Richardson, Shuping Sun, Yuchen Xu, Harrison Lin, Hamid Djalilian</p>
213	<p><b>Evaluation of Affective Sounds by Tinnitus Patients</b></p> <p><a href="#">Petteri Hyvärinen</a>, Annett Szibor, Jarmo Lehtimäki, Jukka Ylikoski, Antti Mäkitie, Antti A. Aarnisalo</p>
214	<p><b>10 Years Tinnitusproject at THI</b></p> <p><a href="#">Josef Pöppel</a></p>
216	<p><b>Hearing Aid Impact on Chronic Tinnitus Patients measured by Resting State PET-FDG</b></p> <p><a href="#">Patricia Simonetti</a>, Laura Vasconcelos, Carla Ono, Fatima Husein, Jeanne Oiticia</p>
234	<p><b>Considering Psychoacoustic Parameters Contribution is Sufficient in Predicting Gain Preference</b></p> <p><a href="#">Iman Ghodrati Toostani</a>, Hamid Jalilvand, A.C.B. Delbem, Zahra Vaziri, C.G.C. Barros, M.A. Hyppolito</p>

## TOPIC: BRAIN STIMULATION

133	<b>Effects of Electrical Stimulation in Tinnitus Patients: A Comparison between t-DCS with Two Different Electrode Placements and HD t-DCS</b> <u>Laure Jacquemin</u> , Annick Gilles, Griet Mertens, Erik Fransen, Julie Moyaert, Paul Van de Heyning
153	<b>Event-Related Potentials before and after HD tDCS in Tinnitus Patients</b> <u>Laure Jacquemin</u> , Annick Gilles, Paul Van de Heyning
167	<b>The Adjunctive Role of Bifrontal Transcranial Direct Current Stimulation in Patients with Severe Tinnitus Distress</b> <u>Ho Yun Lee</u>
176	<b>Conflicting Results: A Literature Review of Parameters utilized by Previous rTMS Research in Tinnitus</b> <u>Stefan Schoisswohl</u> , Winfried Schlee, Berthold Langguth, Martin Schecklmann

## TOPIC: CLINICAL RESEARCH METHODOLOGY

142	<b>A Review of the Current Frameworks for Subtyping Tinnitus – Synthesizing Evidence Towards a Global Consensus</b> <u>Eleni Genitsaridi</u> , Theodore Kypraios, Derek J. Hoare, Deborah A. Hall
164	<b>The Client Orientated Scale of Improvement in Tinnitus (COSIT)</b> <u>Grant Donald Searchfield</u>
240	<b>Tinnitus and Hearing Survey: A Polish Study of Validity and Reliability</b> <u>Danuta Raj Koziak</u> , Joanna Rajchel, Adam Piłka, Henryk Skarzynski, Piotr H. Skarzynski
241	<b>Visual Analogue Scales as a Tool for Assessment of the Tinnitus: Psychometric Evaluation in a Clinical Population</b> <u>Danuta Raj Koziak</u> , Elżbieta Gos, Weronika Świerniak, Lucyna Karpiesz, Iwona Niedziałek, Joanna Rajchel, Henryk Skarzynski, Piotr Skarzynski

**Postersession II, Thursday, March 15, 12:30 – 13:30**

<b>TOPIC: IMAGING</b>	
107	<p><b>Resting-state Functional Connectivity Density Mapping of Etiology Confirmed Unilateral Pulsatile Tinnitus Patients: Altered Functional Hubs in the Early Stage of Disease</b></p> <p><u>Han Lv</u>, Pengfei Zhao, Peng Zhang, Zheng Wang, Heyu Ding, Xuehuan Liu, Yuchen Chen, Shusheng Gong, Zhenchang Wang</p>
109	<p><b>Altered Effective Connectivity Network of the Limbic System in Chronic Tinnitus</b></p> <p><u>Yu-Chen Chen</u>, Fan Bo, Xindao Yin</p>
110	<p><b>Aberrant Resting-state Cerebellar-cerebral Functional Connectivity Underlying Chronic Tinnitus</b></p> <p><u>Yu-Chen Chen</u>, Fan Bo, Xindao Yin</p>
202	<p><b>Replicability of Resting State Networks in Tinnitus Patients</b></p> <p><u>Sara Ann Schmidt</u>, Fatima T. Husain, Benjamin Zimmerman, Rafay Khan, Yihsin Thai, Carlos Esquivel, Charla Levy, Pedro Ramos, Elsa Camou, Paul Sherman</p>
204	<p><b>Morphometric and Functional Changes in the Auditory Brain in Patients with Presbycusis and Tinnitus</b></p> <p><u>Oliver Profant</u>, Jaroslav Tintěra, Antonín Škoch, Josef Syka</p>
<b>TOPIC: ELECTROPHYSIOLOGY</b>	
116	<p><b>Empirical Mode Decomposition of the Auditory Brainstem Response as Objective Tool for Tinnitus Assessment</b></p> <p><u>Pedro Cobo</u>, María Cuesta, Natalia Rybalko, Jiří Popelář, Pavel Mistrík</p>
117	<p><b>Tinnitus and Normal Hearing: the Role of Central Inhibition</b></p> <p><u>Julia Dee Campbell</u>, Connor Bean, Alison LaBrec</p>
148	<p><b>Looking for Differences in the Auditory Brainstem Response of Tinnitus and Non-tinnitus Subjects: Preliminary Results in Humans</b></p> <p><u>PEDRO COBO</u>, Maria Cuesta</p>
174	<p><b>Steady-state Auditory Evoked Fields in Normal Subjects and Tinnitus Patients</b></p> <p><u>David Chen-Yin Wu</u>, Lieber Po-Hung Li, Po-Lei Lee, An-Suey Shiao</p>
198	<p><b>Event Related Potentials as a Possible Tool to Objectively Measure the Effects of Tinnitus Treatment: Preliminary Data</b></p> <p><u>Andréia Aparecida Azevedo</u>, Ricardo Rodrigues Figueiredo, Norma de Oliveira Penido</p>

## TOPIC: BEHAVIORAL THERAPY

121	<p><b>The Use of a Small Manual as a Therapeutic Approach to Tinnitus Patients: Some Results</b></p> <p><u>Antonio Vasco Oliveira</u>, Rute Meneses, Nuno Trigueiros</p>
168	<p><b>Neuro-Music Therapy Restores Resting-State Network in Tinnitus Patients</b></p> <p><u>Heike Argstatter</u>, Christoph M. Krick</p>
224	<p><b>SLS, STS, and SCS : Three Important Dimensions in Tinnitus-Retraining</b></p> <p><u>Christian Hellweg</u>, Gabriele Lux-Wellenhof</p>
226	<p><b>Tinnitus Retraining Therapy: a Three Year Follow up</b></p> <p>Christian Hellweg, <u>Gabriele Lux-Wellenhof</u></p>
233	<p><b>A Novel Treatment Protocol for the Management of Tinnitus through Multimodality Brain Stimulation</b></p> <p><u>Prajakta Patil</u></p>

## TOPIC: SPECIFIC FORMS OF TINNITUS

143	<p><b>Poor Speech Recognition in Idiopathic Sudden Sensorineural Hearing Loss: Implication of the Relationship to Cochlear Migraine</b></p> <p><u>Yuan-Chieh Chang</u>, Juen-Haur Hwang, Tien-Chen Liu, Jen-Tsung Lai</p>
155	<p><b>The Connection Between Listening Effort and Quality of Life in Patients with Chronic Tinnitus and Vestibular Disorders</b></p> <p><u>Sofie Degeest</u>, Ann Deklerck, Hannah Keppler, Ingeborg Dhooge, Leen Maes</p>
177	<p><b>Clinical and Demographic Description of Tinnitus's Characteristics on Patients with Endolymphatic Hydrops and Defined Vestibular Migraine at Hospital Británico 2013-2016 : Retrospective study</b></p> <p><u>Ana Carolina Binetti</u>, Melissa Castillo-Bustamante, Andrea Varela, Maria Andreia Ricardo</p>
200	<p><b>Arterial Hypotension in Meniere's Syndrome</b></p> <p><u>Dario Isaac Roitman</u></p>
247	<p><b>On the "Tinnitus Gestalt": How the Characteristics of the Tinnitus Phantom Sound Influence the Perceived Tinnitus Distress</b></p> <p><u>Małgorzata Wrzosek</u><sup>1</sup>, Winfried Schlee<sup>2,3</sup>, Jan Bulla<sup>4</sup></p>
	<p><b>An Evaluation of Paediatric Tinnitus Services in the UK</b></p> <p><u>Harriet Smith</u>, Kathryn Fackrell, Johanna Barry, Veronica Kennedy Emily Broomhead, Derek Hoare</p>

**TOPIC: HYPERACUSIS / MISOPHONIA**

135	<b>Evaluation of Selective Attention in Patients with Misophonia.</b> <u>Tanit Ganz Sanchez</u> , Fúlvia Eduarda Silva
136	<b>Familial Misophonia or Selective Sound Sensitivity Syndrome: Evidence for Autosomal Dominant Inheritance?</b> <u>Tanit Ganz Sanchez</u> , Fulvia Eduarda Silva
228	<b>Misophonia and Tinnitus: Similar Underlying Mechanisms Lead to Similar Treatment Strategies</b> Christian Hellweg, <u>Gabriele Lux-Wellenhof</u>

**Postersession III, Friday, March 16, 13:00 – 14:00**

<b>TOPIC: PATHOPHYSIOLOGY</b>	
100	<p><b>Predictive-brain mechanisms of phantom perception pathology</b></p> <p><u>Jeffrey Hullfish</u>, Ian Abenes, Silvia Kovacs, Stefan Sunaert, Dirk De Ridder, Sven Vanneste</p>
102	<p><b>Distress-dependent Temporal Binding of Regions Encoding Disorder-specific and Disorder-general Behavioral Manifestations of Phantom Percepts</b></p> <p><u>Anusha Mohan</u>, Dirk De Ridder, Sven Vanneste</p>
131	<p><b>5-HTTLPR Polymorphism affects Sleep Quality and Autonomic Function among Chronic Subjective Tinnitus Patients</b></p> <p><u>Jiunn-Liang Wu</u>, Cheng-Yu Lin, Chii-Yuan Huang</p>
145	<p><b>Relationship between Tinnitus and Hearing Loss – Taking Presbycusis as an Example</b></p> <p><u>Chun-Ting Chen</u>, Jen-Tsung Lai, Ming-Wei Huang, Juen-Haur Hwang, Shang-Chi Yang</p>
152	<p><b>Tinnitus and REM Sleep Incompatibility – A Pathophysiological Milestone for Unraveling Functional Neural Networks Overlap</b></p> <p><u>Tijana Bojić</u>, Zoran Matić, Stefan Mandić-Rajčević, Mirjana Platiša, Aleksandar Kalauzi</p>
165	<p><b>Tinnitus and Stress</b></p> <p><u>Asma Ali K. Elarbed</u>, Kathryn Fackrell, David M. Baguley, Derek J. Hoare</p>
169	<p><b>Tinnitus: Hearing, Seeing, Ageing and Sampling - Can they all be Connected?</b></p> <p><u>Peter James Hampton</u></p>
199	<p><b>Neuroinflammatory Responses in Choroid Plexus and Dorsal Cochlear Nuclei after Unilateral Cochlear Damage</b></p> <p><u>Paola Perin</u>, Alessandro Venturino, Marta Ceccarini, Alessandra Centineo, Roberto Pizzala</p>
206	<p><b>The Distribution of Cell and Neurotransmitter Markers in the Auditory Cortex of Rats in a Tinnitus Model</b></p> <p><u>Hannah Maxwell</u>, Jennifer Schofield, Martine Hamann, Bas Olthof, Charles Large, Mark Cunningham, Sasha Gartside, Adrian Rees</p>
<b>TOPIC: PHARMACOTHERAPY</b>	
151	<p><b>Novel in Silico Insights for Potential Treatment of Chronic Tinnitus Distress - Combined Therapy of Glutamate Receptor Antagonists with Creatine Supplementation</b></p> <p><u>Tijana Bojić</u>, Vladimir R Perović, Milan Senčanski, Sanja Glišić</p>
197	<p><b>An Open Pilot Study to Evaluate Efficacy and Safety of Olanzapine to Treat Tinnitus</b></p> <p><u>Ricardo Rodrigues Figueiredo</u>, Andréia Aparecida Azevedo, Winfried Schlee, Norma de Oliveira Penido</p>

TOPIC: HOLISTIC	
170	<p><b>Tinnitus Alleviation Therapy for the Practitioner and as an Online Course</b></p> <p><u>Maria Holl</u></p>
244	<p><b>Can a Steady State Coherent Biomodulator Relief Tinnitus and Be Safe? A Summary of the Clinical Study Program Performed.</b></p> <p><u>Peter Åhnblad</u></p>
TOPIC: OTHERS	
163	<p><b>Impact of Oxidative Stress Metabolism and Imbalance of Ca/Mg, Ca/P, K/Na Index Ratios in Perception of Tinnitus and Other Inner Ear Disorders</b></p> <p><u>Joaquin Prosper</u>, <u>Alfonso Escobar</u></p>
205	<p><b>ARC Synaptic Adaptation Therapy a New Treatment for the Tinnitus</b></p> <p>Adam Pabiś, <u>Artur Bogacz</u></p>
227	<p><b>A Truly Disruptive Innovation in Tinnitus: The German Tinnitus-Guidelines</b></p> <p><u>Christian Hellweg</u>, Gabriele Lux-Wellenhof</p>
TOPIC: PSYCHOLOGICAL FACTORS	
127	<p><b>Systematic Evaluation of a Cognitive Model of Tinnitus Distress using Path Analysis</b></p> <p><u>Lucy Handscomb</u>, Derek Hoare, Deborah Hall, Gillian Shorter</p>
129	<p><b>The Necessity of Control Groups with Psychiatric Disorders in Tinnitus Research</b></p> <p><u>Daniela Ivansic</u>, <u>Julia Gantner</u>, Bianca Besteher, Igor Nenadic, Christo Pantev, Orlando Guntinas-Lichius, Christian Dobel</p>
183	<p><b>Tinnitus Burden and Coping</b></p> <p><u>Diane {A.L.} Smit</u>, Inge Stegeman</p>
184	<p><b>Tinnitus and Mental Health</b></p> <p><u>Diane {A.L.} Smit</u>, Inge Stegeman</p>
236	<p><b>The Contribution of Tinnitus Negative Valence in Sleep-threat Development</b></p> <p>Zahrasadat Vazirikangolya, <u>Iman Ghodrati Toostani</u>, Mohammad Nami, A.C.B. Delbem, J.P. Leite</p>