

# Wednesday, March 14<sup>th</sup>, 2018

## Detailed Scientific Program

08:00	WELCOME DESK AND REGISTRATION	
09:00 – 10:00	Opening Ceremony	
10:00 – 10:30	<b>KEYNOTE I – Tobias Kleinjung</b> <i>Can Cochlear Implants be a Cure for Tinnitus?</i> Chair: Goeran Hajak	
10:30 – 11:00	COFFEE BREAK	
11:00 – 12:30	<b>Session I: New Approaches in Neuromodulation for Treating Tinnitus</b> Chairs: Martin Schecklmann / Marzena Mielczarek  <b>105 Tyler, Richard S:</b> <i>A Prospective Randomized Double-blind Controlled Clinical Study Using Vagus-Nerve Stimulation Paired with Tones for the Treatment of Tinnitus</i>  <b>193 Schecklmann, Martin:</b> <i>Current state and perspectives of repetitive transcranial magnetic stimulation in chronic tinnitus</i>  <b>235 Mielczarek, Marzena:</b> <i>The application of magnetic stimulation of the ear in tinnitus treatment</i>  <b>189 Güntensperger, Dominik:</b> <i>Treating Chronic Tinnitus with Neurofeedback</i>  <b>238 GhodratiToostani, Iman:</b> <i>The Effect of Positive Emotion Induction and HD- tDCS on Tinnitus Loudness Scale</i>	<b>Session II: Tinnitus Animal Models</b> Chairs: Holger Schulze / Birgit Mazurek  <b>112 Tziridis, Konstantin:</b> <i>Tinnitus Development is Associated with Synaptopathy of Inner Hair Cells in Mongolian Gerbils</i>  <b>150 Schilling, Achim:</b> <i>A New Statistical Approach for the Evaluation of Gap-prepulse Inhibition of the Acoustic Startle Reflex (GPIAS) for Tinnitus Assessment</i>  <b>201 Rogenmoser, Lars:</b> <i>A Tinnitus Model in Nonhuman Primates</i>  <b>219 Cunningham, Mark O:</b> <i>Changes in Gamma Frequency Activity in the Auditory Cortex In Vitro in an Animal Model of Tinnitus</i>
12:30 – 13:15	LUNCH	
13:15 – 14:00	<b>Poster Session I</b> Epidemiology Diagnostics Auditive Stimulation incl Hearing Aids and Cochlear Implants Brain Stimulation Clinical Research Methodology	
14:00 – 14:30	<b>KEYNOTE II – Hubert Lim</b> <i>Non-invasive and Integrative Neuromodulation Approaches Towards Treating Tinnitus</i> Chair: Dirk De Ridder	
14:30 – 15:45	<b>Session III: Cognitive Behavioral Therapy for Treating Tinnitus</b> Chair: Rilana Cima  <b>104 Nolan, Daniele R:</b> <i>Efficacy of Treatment for Tinnitus Based on Cognitive Behavioral Therapy in an Inpatient Setting: a 10-year Retrospective Outcome Analysis</i>  <b>115 Marks, Elizabeth:</b> <i>Cognitive Behavioural Therapy for Insomnia in Tinnitus</i>  <b>124 Fuller, Thomas E:</b> <i>CBT for Tinnitus: Successful Replication of a Stepped Care Approach</i>  <b>158 Fuller, Thomas E:</b> <i>Is CBT for tinnitus effective? A progress report on a new Cochrane systematic review</i>  <b>260 Cima, Rilana:</b> <i>Multidisciplinary European Guideline for Tinnitus: Diagnostics, Assessment and Treatment</i>	<b>Session IV: Cortical Tinnitus Networks</b> Chairs: Josef Rauschecker  <b>108 Chen, Yu-Chen:</b> <i>Amygdala functional disconnection with the prefrontal-cingulate-temporal circuit in chronic tinnitus patients with depressive mood</i>  <b>157 Deklerck, Ann:</b> <i>Resting State EEG Microstate in Tinnitus Patients Reveals Dynamic Changes in Attention and Auditory Cortical Networks during Residual Inhibition</i>  <b>259 Rauschecker, Josef:</b> <i>New ways forward in Tinnitus Research?</i>

15:45 – 16:15	<b>COFFEE BREAK</b>	
16:15 – 17:00	<p style="text-align: center;"><b>Session V: News from the Industry</b> Chair: Michael Landgrebe</p> <p><b>210 Kleinjung, Tobias:</b> <i>Efficacy and Safety of AM-101 in the Treatment of Acute Inner Ear Tinnitus – A Double-Blind, Randomized, Placebo-Controlled Phase III Study</i></p> <p><b>209 Lim, Hubert:</b> <i>Exploratory Clinical Trial for a New Bimodal Neuromodulation Treatment for Tinnitus: Positive Results from 326 Tinnitus Patients</i></p> <p><b>245 Zudrell, Thomas:</b> <i>The grow concept Spinal Decompression Chair</i></p>	<p style="text-align: center;"><b>Session VI: Interactive Consensus Workshop for an International Consensus on Core Outcome Domains for early-phase Clinical Trials (139)</b> Chair: Deborah Hall</p>
17:00 – 17:30	<p><b>Keynote III – Fatima Husain</b> <i>Patterns and Connectivity in Neural Networks: Leveraging Clustering to Better Understand Tinnitus</i> Chair: Pim van Dijk</p>	

# Thursday, March 15<sup>th</sup>, 2018

## Detailed Scientific Program

08:00	WELCOME DESK AND REGISTRATION	
08:30 – 09:00	<p align="center"><b>KEYNOTE IV – Christopher Cederroth</b>  <i>Nature versus Nurture: Genetic Considerations in the Development of Tinnitus</i>            Chair: Birgit Mazurek</p>	
09:00 – 10:15	<p align="center"><b>Session VII: Cortical Plasticity</b>            Chairs: Christo Pantev / Christian Dobel</p> <p><b>125 Pantev, Christo:</b> <i>Cortical plasticity induced by unimodal and multimodal training in tinnitus patients</i></p> <p><b>138 Dobel, Christian:</b> <i>Brain Structural Changes in Chronic Tinnitus – The Problem of Psychiatric Comorbidity</i></p> <p><b>208 Song, Jae-Jin:</b> <i>Hearing loss may induce tinnitus by strong auditory memory and increased vigilance: a qEEG study on the relationship between hearing loss and tinnitus</i></p> <p><b>218 Sanchez, Tanit Ganz:</b> <i>Improved Sound Level Tolerance Accompanies Remission of Persistent Tinnitus in Adolescents with Clinically Normal Audiometry</i></p>	<p align="center"><b>Session VIII: Looking at Tinnitus from a Different Angle</b>            Chair: Martin Meyer</p> <p><b>126 Handscomb, Lucy:</b> <i>“My goodness, that really does actually sum it up:” tinnitus patients’ and therapists’ perspectives on the cognitive model of tinnitus distress</i></p> <p><b>118 Liu, Tien-Chen:</b> <i>Cochlear migraine: proposal for a new diagnosis</i></p> <p><b>243 Myra Spiliopoulou:</b> <i>Patient Empowerment through Summarization of Discussion Threads on Treatments in a Patient Self-Help Forum</i></p> <p><b>160 Dauman, Nicolas:</b> <i>Modulating individual frustration: a new approach to tinnitus management?</i></p>
10:15 – 10:30	COFFEE BREAK	
10:30 – 11:45	<p align="center"><b>Session IX: Sound Therapies and Auditory Research</b>            Chair: Larry Roberts</p> <p><b>215a Galazyuk, Alexander:</b> <i>On the Putative Mechanism of the Residual Inhibition of Tinnitus to Possible Tinnitus Treatment!</i></p> <p><b>215b Galazyuk, Alexander:</b> <i>From the Putative Mechanism of the Residual Inhibition of Tinnitus to Possible Tinnitus Treatment</i></p> <p><b>161 Argstatter, Heike:</b> <i>The Power of Music for Restoring the Compromised Noise-cancellation System – Influence of Two Different, Music Based Relaxation Techniques</i></p>	<p align="center"><b>Session X: Interesting Case Studies on Tinnitus</b>            Chair: Tanit Sanchez</p> <p><b>175 Peter, Lukas:</b> <i>Combining rTMS and CBT for Effective Treatment of Tinnitus and Insomnia - A Case Report</i></p> <p><b>231 Templado Aguilera, Sheila:</b> <i>The Role of Auditory Evoked Potentials in the Study of Tinnitus. About a Case</i></p> <p><b>239 Noreña, Arnaud:</b> <i>The Putative Involvement of the Middle Ear in Hyperacusis and Tinnitus</i></p> <p><b>221 Stocking, Christina:</b> <i>Case studies from a clinical trial of VNS paired tone therapy</i></p>
11:45 – 12:30	LUNCH	
12:30 – 13:30	<p align="center"><b>POSTER SESSION II</b>            Imaging            Electrophysiology            Behavioral Therapy            Specific Forms of Tinnitus            Hyperacusis / Misophonia</p>	
13:30 – 14:00	<p align="center"><b>KEYNOTE V – Sarah Michiels</b>  <i>Somatosensory Tinnitus: Assessment and Treatment Options</i>            Chair: Tanit Sanchez</p>	

14:00 – 15:15	<p><b>Session XI: Neuronal Mechanisms of Tinnitus</b> Chairs: Pim van Dijk / Sonja Pyott</p> <p><b>113 Krauss, Patrick:</b> <i>Stochastic Resonance Controlled Upregulation of Internal Noise after Hearing Loss as a Putative Cause of Tinnitus-Related Neuronal Hyperactivity</i></p> <p><b>178 Mennink, Lilian:</b> <i>The Relation between Flocculus Volume and Tinnitus Characteristics Suggests a Mediating Role of the Flocculus</i></p> <p><b>179 Olthof-Bakker, Bas MJ:</b> <i>The tinnitus-inducing agent salicylate has a direct effect on neural activity in the inferior colliculus</i></p> <p><b>194 Koops, Elouise:</b> <i>Tinnitus and cortical tonotopic maps</i></p>	<p><b>Session XII: New Approaches for Treating Tinnitus</b> Chairs: Dr. Alain Londero / Marta Partyka</p> <p><b>147 Liu, Chiu-Loi:</b> <i>Menopausal Hormone replacement therapy for chronic tinnitus in migraine patient: a preliminary study</i></p> <p><b>149 Luyten, Tine Roanna:</b> <i>The value of Eye Movement Desensitization Reprocessing in the treatment of tinnitus</i></p> <p><b>192 Brüggemann, Petra:</b> <i>Tinnitus outcome measures after a brief multidisciplinary intervention</i></p> <p><b>196 Wu, Calvin:</b> <i>Auditory-somatosensory stimulation desynchronizes brain circuitry to reduce tinnitus, Part I</i></p> <p><b>195 Marks, Kendra:</b> <i>Auditory-somatosensory stimulation desynchronizes brain circuitry to reduce tinnitus, Part II</i></p>
15:15 – 15:30	<b>COFFEE BREAK</b>	
15:30 – 16:45	<p><b>Session XIII: Methods for Tinnitus Assessment</b> Chair: Silvano Gallus / Alessandra Lugo</p> <p><b>114 Fournier, Philippe:</b> <i>A new method for assessing masking and residual inhibition of tinnitus</i></p> <p><b>130 Ivansic, Daniela:</b> <i>Prediction of Therapy Success in Chronic Tinnitus</i></p> <p><b>159 Hall, Deborah Ann:</b> <i>A Good practice Guide for Translating and Adapting Hearing-related Questionnaires for different Languages and Cultures</i></p> <p><b>188 Londero, Alain:</b> <i>What do tinnitus and hyperacusis patients complain about? A Machine-Learning approach</i></p> <p><b>203 Haider, Haüla Faruk:</b> <i>Evidence for biological markers in tinnitus: A systematic review</i></p>	<p><b>Session XIV: Community Science: How can Participatory Research Improve our Current Research Strategies?</b> Chair: Patrick Neff</p> <p><b>140 Smith, Harriet:</b> <i>Involving Members of the Public in the COMIT'ID Study (Core Outcome Measures in Tinnitus: International Delphi)</i></p> <p><b>141 Fackrell, Kathryn:</b> <i>Core Outcome Domains for Early-phase Clinical Trials of Sound-, Psychological-, and Pharmacological-based Interventions to Manage Chronic Subjective Tinnitus in Adults: Protocol for Using a Delphi process and Face-to-Face Meetings to establish Consensus</i></p> <p><b>191 Stockdale, David:</b> <i>Tinnitus Cure Map</i></p> <p><b>172 Sereda, Magdalena:</b> <i>Combined amplification and sound generation devices for tinnitus: survey of users expectations and experiences</i></p> <p><b>258 Harrison, Stephan S.:</b> <i>Tinnitus Hub - Support and Crowdsensing in the digital domain</i></p>
16:45 – 17:15	<p><b>KEYNOTE VI – Derek Hoare</b> <i>Towards Equity of Tinnitus Management across the UK National Health Service</i> Chair: Deborah Hall</p>	
19:00*	<b>NETWORKING DINNER</b>	

\*19:00 boarding time – the ship departs at 19:30

# Friday, March 16<sup>th</sup>, 2018

## Detailed Scientific Program

08:30	WELCOME DESK AND REGISTRATION	
09:00 – 09:30	<p align="center"><b>KEYNOTE VII – Johan Vlaeyen</b>  <i>Not Seen and Not Heard: Chronic Pain and Tinnitus</i>            Chair: Rilana Cima</p>	
09:30 – 10:45	<p><b>Session XV: Sound Therapies and Hearing Aids for Treating Tinnitus</b>            Chairs: Richard Tyler / Patrick Neff</p> <p><b>166 Tyler, Richard S:</b> <i>Tinnitus Activities Treatment – hearing aids and sound therapy</i></p> <p><b>171 Sereda, Magdalena:</b> <i>Recommended Procedure for Fitting Combination Aids: Delphi Review</i></p> <p><b>180 Pedemonte, Marisa:</b> <i>Impact of Sound Stimulation at Different Sleep Stages in Patients with Tinnitus</i></p> <p><b>182 Müller, Boris:</b> <i>Usage of Hearing Aids in Chronic Tinnitus Patients within the Day-care-therapy in Tinnitus Center Jena</i></p>	<p><b>Session XVI: A Very Close Look on Tinnitus: The Genes and Molecules that make up Tinnitus</b>            Chair: Antonio Lopez Escamez</p> <p><b>229 Lopez Escamez, Jose Antonio:</b> <i>Accumulation of Rare and Common Variants in Genes Included in Multiple Neural Pathways in a Family with Tinnitus</i></p> <p><b>132 Gilles, Annick:</b> <i>A Pilot Genome-wide Association Study Identifies Potential Metabolic Pathways Involved in Tinnitus</i></p> <p><b>190 Knipper, Marlies:</b> <i>Identification of Functional and Molecular Biomarkers in Mildly Hearing Impaired Subjects with and without Tinnitus</i></p> <p><b>119 Hwang, Juen-Haur:</b> <i>Expressions of Ion Co-transporter Genes in Salicylate-induced Tinnitus and Treatment Effects with Spirulina</i></p>
10:45 – 11:00	COFFEE BREAK	
11:00 – 12:15	<p><b>Session XVII: Subtyping Tinnitus: Characterization and Differential Diagnostics</b>            Chair: Winfried Schlee</p> <p><b>144 Lai, Jen-Tsung:</b> <i>Cochlear Migraine and Chronic Tinnitus</i></p> <p><b>211 Fackrell, Kathryn:</b> <i>Untangling the Relationship between Tinnitus and Hyperacusis: What Are the Problems Reported by Patients with a Primary Complaint of Hyperacusis</i></p> <p><b>186 Haider, Haüla Faruk:</b> <i>Biomarkers of presbycusis and tinnitus in a Portuguese older population</i></p> <p><b>230 Perez-Carpena, Patricia:</b> <i>Psychoacoustic Characterization of Tinnitus and Perceived Discomfort in Patients with Meniere's Disease</i></p> <p><b>237 Hall, Deborah Ann:</b> <i>Recommendations from the COMIT'ID Study: International Consensus on Core Outcome Domains for Early-phase Clinical Trials of Sound-, Psychology-, and Pharmacology-based Interventions to manage Chronic Subjective Tinnitus in Adults</i></p>	<p><b>Session XVIII: Cochlear Implants for Treating Tinnitus</b>            Chair: Tobias Kleinjung / Griet Mertens</p> <p><b>137 Mertens, Griet:</b> <i>Cochlear Implantation as a Long-Term Treatment for Ipsilateral Incapacitating Tinnitus in Subjects with Unilateral Hearing Loss up to 10 years</i></p> <p><b>173 Mabelle, Elisabeth:</b> <i>Tinnitus Outcomes in Cochlear Implanted Patients with Total Single-sided Deafness: A Multicentric Study</i></p> <p><b>225 Tyler, Richard S:</b> <i>Tinnitus Suppression in Cochlear Implant Patients using the ReSound Relief™ App</i></p> <p><b>123 Li, Lieber Po-Hung:</b> <i>Cochlear Implantation for Tinnitus in Subjects with Hearing Loss</i></p>
12:15 – 13:00	LUNCH	
13:00 – 14:00	<p align="center"><b>POSTER SESSION III</b>            Pathophysiology            Pharmacotherapy            Holistics            Others            Psychological Factors</p>	
14:00 – 14:30	<p align="center"><b>KEYNOTE VIII – William Sedley</b>  <i>Predictions and their precision in the causation and perpetuation of tinnitus</i>            Chair: Ana Belén Elgoyhen</p>	

14:30 – 15:45	<p><b>Session XIX: Risk Factors, Causes and Comorbidities of Tinnitus</b> Chairs: Arnaud Noreña / Philippe Fournier</p> <p><b>120 Hwang, Juen-Haur:</b> <i>Risk of Tinnitus in Patients with Sleep Apnea: A Nationwide, Population-based Case-control Study</i></p> <p><b>162 Böcking, Benjamin:</b> <i>Self-reported Attributions of Multimodal Treatment Improvement in Patients with Chronic Tinnitus</i></p> <p><b>207 Jagoda, Laura:</b> <i>Speech Perception in Tinnitus and its Relations to Distress, Hearing Abilities, and Higher-Order Processes</i></p>	<p><b>Session XX: Searchfield, Grant Donald: Throwing the ball further: What tinnitus research can learn from Team New Zealand’s winning of yachting’s Americas Cup (103)</b></p> <p><b>Panel Discussion: On the Future of Tinnitus Research - Identifying Gaps, Bridging Sectors and Innovating Science</b> Chairs: Langguth / Ana Belén Elgoyhen</p> <p><b>Panellists:</b>  <i>From the perspective of researchers:</i> <b>Dirk De Ridder</b>  <i>From the perspective of patients:</i> <b>Steve Harrison</b>  <i>From the perspective of clinicians:</i> <b>Michael Landgrebe</b>  <i>From the perspective of industry:</i> <b>Rosemarie Tully</b></p>
15:45 – 16:00	<b>COFFEE BREAK</b>	
16:00 – 16:30	<p><b>KEYNOTE IX – Sven Vanneste</b> <i>Pathophysiological Differences in Phantom Sound: Subtypes in Tinnitus</i> Chair: Nathan Weisz</p>	
16:30 – 17:00	<p><b>Fare Well and Awards</b> Raj Shekhawat &amp; Winfried Schlee Travel Awards Poster Awards Preview of the next TRI meeting</p>	