



Tinnitus Conference 2018



Preliminary*

Conference Program

Disruptive Innovations in Tinnitus

March 14-16, 2018

Venue: Parkside Events Regensburg,
Prüfeninger Str. 20, 93049 Regensburg

*Subject to modifications



WEDNESDAY, March 14th, 2018

08:00 – 09:00	WELCOME DESK AND REGISTRATION	
09:00 – 10:00	Opening Ceremony	
10:00 – 10:30	KEYNOTE I Prof. Dr. Tobias Kleinjung <i>Can Cochlear Implants be a Cure for Tinnitus?</i> Chair: Prof. Dr. Berthold Langguth	
10:30 – 11:00	COFFEE BREAK	
11:00 – 12:30	Session I New Approaches in Neuromodulation for Treating Tinnitus Chairs: PD Dr. Martin Schecklmann / Dr. Marzena Mielczarek 105 Tyler, Richard S: <i>A Prospective Randomized Double-blind Controlled Clinical Study Using Vagus-Nerve Stimulation Paired with Tones for the Treatment of Tinnitus</i> 193 Schecklmann, Martin: <i>Current state and perspectives of repetitive transcranial magnetic stimulation in chronic tinnitus</i> 235 Mielczarek, Marzena: <i>The application of magnetic stimulation of the ear in tinnitus treatment</i> 189 Güntensperger, Dominik: <i>Treating Chronic Tinnitus with Neurofeedback</i> 238 GhodratiToostani, Iman: <i>The effect of positive emotion induction and HD- tDCS on tinnitus loudness scale</i>	Session II Tinnitus Animal Models Chairs: Prof. Dr. Holger Schulze / Prof. Dr. Birgit Mazurek 112 Tziridis, Konstantin: <i>Tinnitus development is associated with synaptopathy of inner hair cells in Mongolian gerbils</i> 150 Schilling, Achim: <i>A new statistical approach for the evaluation of gap-prepulse inhibition of the acoustic startle reflex (GPIAS) for tinnitus assessment</i> 201 Rogenmoser, Lars: <i>A Tinnitus Model in Nonhuman Primates</i> 212 Kristaponyte, Inga: <i>Cross-validation of Two Tinnitus Screening Approaches in Mice</i> 219 Cunningham, Mark O: <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	POSTER SESSION I	

14:00 – 14:30	<p style="text-align: center;">KEYNOTE II Dr. Hubert Lim <i>Non-invasive and Integrative Neuromodulation Approaches Towards Treating Tinnitus</i> Chair: Prof. Dr. Dirk de Ridder</p>	
14:30 – 15:45	<p>Session III Cognitive Behavioral Therapy for Treating Tinnitus Chair: Prof. Dr. Rilana Cima</p> <p>104 Nolan, Daniele R: <i>Efficacy of treatment for tinnitus based on cognitive behavioral therapy in an inpatient setting: a 10-year retrospective outcome analysis</i></p> <p>115 Marks, Elizabeth: <i>Cognitive Behavioural Therapy for Insomnia in Tinnitus</i></p> <p>124 Fuller, Thomas E: <i>CBT for tinnitus: successful replication of a stepped care approach</i></p> <p>158 Fuller, Thomas E: <i>Is CBT for tinnitus effective? A progress report on a new Cochrane systematic review</i></p> <p>160 Dauman, Nicolas: <i>Modulating individual frustration: a new approach to tinnitus management?</i></p>	<p>Session IV Cortical Tinnitus Networks Chairs: Prof. Dr. Josef Rauschecker</p> <p>106 Lv, Han: <i>Lateralization effects on functional connectivity of the auditory network in patients with unilateral pulsatile tinnitus as detected by functional MRI</i></p> <p>108 Chen, Yu-Chen: <i>Amygdala functional disconnection with the prefrontal-cingulate-temporal circuit in chronic tinnitus patients with depressive mood</i></p> <p>157 Deklerck, Ann: <i>Resting state EEG microstate in tinnitus patients reveals dynamic changes in attention and auditory cortical networks during residual inhibition</i></p> <p>187 Diesch, Eugen: <i>Auditory Evoked Magnetic Field Signatures of Dynamic Range Adaption of Sound Level Coding in tinnitus Patients and Healthy Controls</i> Rauschecker, Josef: <i>New ways forward in Tinnitus Research?</i></p>
15:45 – 16:15	<p>COFFEE BREAK</p>	
16:15 – 17:00	<p>Session V News from the Industry Chair: Prof. Dr. Michael Landgrebe</p> <p>210 Kleinjung, Tobias: <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>209 Lim, Hubert: <i>Exploratory Clinical Trial for a New Bimodal Neuromodulation Treatment for Tinnitus: Positive Results from 326 Tinnitus Patients</i></p> <p>245 Zudrell, Thomas: <i>The grow concept Spinal Decompression Chair</i></p>	<p>Session VI Interactive Consensus Workshop for an International Consensus on Core Outcome Domains for early-phase Clinical Trials (139) Chair: Prof. Dr. Deborah Hall</p>
17:00 – 17:30	<p style="text-align: center;">KEYNOTE III Prof. Dr. Fatima Husain <i>Patterns and Connectivity in Neural Networks: Leveraging Clustering to Better Understand Tinnitus</i> Chair: Prof. Pim van Dijk</p>	

THURSDAY, March 15th, 2018

08:00 – 08:30	WELCOME DESK AND REGISTRATION	
08:30 – 09:00	KEYNOTE IV Prof. Dr. Christopher Cederroth <i>Nature versus Nurture: Genetic Considerations in the Development of Tinnitus</i> Chair: Prof. Dr. Birgit Mazurek	
09:00 – 10:15	Session VII Cortical Plasticity Chairs: Prof. Dr. Christo Pantev / Dr. Christian Dobel 125 Pantev, Christo: <i>Cortical plasticity induced by unimodal and multimodal training in tinnitus patients</i> 138 Dobel, Christian: <i>Brain Structural Changes in Chronic Tinnitus – The Problem of Psychiatric Comorbidity</i> 208 Song, Jae-Jin: <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> 218 Sanchez, Tanit Ganz: <i>Improved Sound Level Tolerance Accompanies Remission of Persistent Tinnitus in Adolescents with Clinically Normal Audiometry</i>	Session VIII Looking at Tinnitus from a Different Angle Chair: Prof. Dr. Martin Meyer 126 Handscomb, Lucy: <i>“My goodness, that really does actually sum it up:” tinnitus patients’ and therapists’ perspectives on the cognitive model of tinnitus distress</i> 232 Vielsmeier, Veronika: <i>Putative factors for chronic manifestation of tinnitus</i> 118 Liu, Tien-Chen: <i>Cochlear migraine: proposal for a new diagnosis</i> 243 Myra Spiliopoulou: <i>Patient Empowerment through Summarization of Discussion Threads on Treatments in a Patient Self-Help Forum</i>
10:15 – 10:30	COFFEE BREAK	
10:30 – 11:45	Session IX Sound Therapies and Auditory Research Chair: Prof. Dr. Larry Roberts 215 Galazyuk, Alexander: <i>From the putative mechanism of the residual inhibition of tinnitus to possible tinnitus treatment - part I</i> 215 Galazyuk, Alexander: <i>From the putative mechanism of the residual inhibition of tinnitus to possible tinnitus treatment - part II</i> 161 Argstatter, Heike: <i>The power of music for restoring the compromised noise-cancellation system – influence of two different, music based relaxation techniques</i>	Session X Interesting Case Studies on Tinnitus Chair: Prof. Dr. Tanit Sanchez 175 Peter, Lukas: <i>Combining rTMS and CBT for Effective Treatment of Tinnitus and Insomnia - A Case Report</i> 231 Templado Aguilera, Sheila: <i>The Role of Auditory Evoked Potentials in the Study of Tinnitus. About a Case</i> 239 Fournier, Philippe: <i>The putative involvement of the middle ear in hyperacusis and tinnitus</i>
11:45 – 12:30	LUNCH	
12:30 – 13:30	POSTER SESSION II	

13:30 – 14:00	KEYNOTE V Dr. Sarah Michiels <i>Somatosensory Tinnitus: Assessment and Treatment Options</i> Chair: Prof. Dr. Tanit Sanchez	
14:00 – 15:15	Session XI Neuronal Mechanisms of Tinnitus Chairs: Prof. Dr. Pim van Dijk / Dr. Sonja Pyott 113 Krauss, Patrick: <i>Stochastic Resonance Controlled Upregulation of Internal Noise after Hearing Loss as a Putative Cause of Tinnitus-Related Neuronal Hyperactivity</i> 178 Mennink, Lilian: <i>The Relation between Flocculus Volume and Tinnitus Characteristics Suggests a Mediating Role of the Flocculus</i> 179 Olthof-Bakker, Bas MJ: <i>The tinnitus-inducing agent salicylate has a direct effect on neural activity in the inferior colliculus</i> 194 Koops, Elouise: <i>Tinnitus and cortical tonotopic maps</i>	Session XII New Treatment Approaches for Treating Tinnitus Chair: Dr. Alain Londero / Marta Partyka 147 Liu, Chiu-Loi: <i>Menopausal Hormone replacement therapy for chronic tinnitus in migraine patient: a preliminary study</i> 149 Luyten, Tine Roanna: <i>The value of Eye Movement Desensitization Reprocessing in the treatment of tinnitus</i> 192 Brüggemann, Petra: <i>Tinnitus outcome measures after a brief multidisciplinary intervention</i> 196 Wu, Calvin: <i>Auditory-somatosensory stimulation desynchronizes brain circuitry to reduce tinnitus, Part I</i> 195 Marks, Kendra: <i>Auditory-somatosensory stimulation desynchronizes brain circuitry to reduce tinnitus, Part II</i>
15:15 – 15:30	COFFEE BREAK	
15:30 – 17:00	Session XIII Methods for Tinnitus Assessment Chair: Prof. Dr. Silvano Gallus / Alessandra Lugo 114 Fournier, Philippe: <i>A new method for assessing masking and residual inhibition of tinnitus</i> 130 Ivansic, Daniela: <i>Prediction of Therapy Success in Chronic Tinnitus</i> 159 Hall, Deborah Ann: <i>A Good practice Guide for Translating and Adapting Hearing-related Questionnaires for different Languages and Cultures</i> 188 Palacios, Guillaume: <i>What do tinnitus and hyperacusis patients complain about? A Machine-Learning approach</i> 203 Haider, Haúla Faruk: <i>Evidence for biological markers in tinnitus: A systematic review</i>	Session XIV Community Science: How can Participatory Research Improve our Current Research Strategies? Chair: Dr. Patrick Neff 140 Smith, Harriet: <i>Involving Members of the Public in the COMIT'ID Study (Core Outcome Measures in Tinnitus: International Delphi)</i> 141 Fackrell, Kathryn: <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> 191 Stockdale, David: <i>Tinnitus Cure Map</i> 172 Sereda, Magdalena: <i>Combined amplification and sound generation devices for tinnitus: survey of users expectations and experiences</i>
17:00 – 17:30	KEYNOTE VI Prof. Dr. Derek Hoare <i>Tinnitus Management Guidelines by the British Society of Audiology</i> Chair: Prof. Dr. Deborah Hall	
19:00*	GALA DINNER	

*Boarding time – the ship departs at 19:30

FRIDAY, March 16th, 2018

08:30 – 09:00	WELCOME DESK AND REGISTRATION	
09:00 – 09:30	KEYNOTE VII Prof. Dr. Johan Vlaeyen <i>Not Seen and Not Heard: Chronic Pain and Tinnitus</i> Chair: Prof. Dr. Rilana Cima	
09:30 – 10:45	Session XV Sound therapies and hearing aids for treating tinnitus Chairs: Prof. Dr. Richard Tyler / Dr. Patrick Neff 166 Tyler, Richard S: <i>Tinnitus Activities Treatment – hearing aids and sound therapy</i> 171 Sereda, Magdalena: <i>Recommended procedure for fitting combination aids: Delphi review</i> 180 Pedemonte, Marisa: <i>Impact of sound stimulation at different sleep stages in patients with Tinnitus</i> 182 Müller, Boris: <i>Usage of hearing aids in chronic tinnitus patients within the day-care-therapy in Tinnitus Center Jena</i>	Session XVI A Very Close Look on Tinnitus: The Genes and Molecules that make up Tinnitus Chair: Dr. Antonio Lopez Escamez 229 Lopez Escamez, Jose Antonio: <i>Accumulation of rare and common variants in genes included in multiple neural pathways in a family with tinnitus</i> 132 Gilles, Annick: <i>A pilot Genome-wide Association Study identifies potential metabolic pathways involved in tinnitus</i> 190 Knipper, Marlies: <i>Identification of functional and molecular biomarkers in mildly hearing impaired subjects with and without tinnitus</i> 119 Hwang, Juen-Haur: <i>Expressions of ion co-transporter genes in salicylate-induced tinnitus and treatment effects with Spirulina</i> 101 Bao, Jianxin: <i>Neuregulin-1 Signaling in the Hippocampus Contributes to Tinnitus</i>
10:45 – 11:00	COFFEE BREAK	
11:00 – 12:15	Session XVII Subtyping Tinnitus: Characterization and Differential Diagnostics Chair: Dr. Winfried Schlee 144 Lai, Jen-Tsung: <i>Cochlear Migraine and Chronic Tinnitus</i> 211 Fackrell, Kathryn: <i>Untangling the relationship between tinnitus and hyperacusis: What are the problems reported by patients with a primary complaint of hyperacusis</i> 186 Haider, Haúla Faruk: <i>Biomarkers of presbycusis and tinnitus in a Portuguese older population</i> 230 Lopez Escamez, Jose Antonio: <i>Psychoacoustic characterization of tinnitus and perceived discomfort in patients with Meniere’s disease</i> 237 Hall, Deborah Ann: <i>Recommendations from the COMIT²ID 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>	Session XVIII Cochlear Implants for Treating Tinnitus Chair: Prof. Dr. Tobias Kleinjung / Dr. Griet Mertens 137 Mertens, Griet: <i>Cochlear Implantation as a Long-Term Treatment for Ipsilateral Incapacitating Tinnitus in Subjects with Unilateral Hearing Loss up to 10 years</i> 173 Mamelie, Elisabeth: <i>Tinnitus Outcomes in cochlear implanted patients with total single-sided deafness: A multicentric study</i> 225 Tyler, Richard S: <i>Tinnitus suppression in cochlear implant patients using the ReSound Relief™ app</i> 123 Li, Lieber Po-Hung: <i>Cochlear Implantation for Tinnitus in Subjects with Hearing Loss</i>

12:15 – 13:00	LUNCH	
13:00 – 14:00	POSTER SESSION III	
14:00 – 14:30	KEYNOTE VIII Dr. William Sedley <i>Predictions and their precision in the causation and perpetuation of tinnitus</i> Chair: Prof. Dr. Ana Belén Elgoyhen	
14:30 – 15:45	Session XIX Risk Factors, Causes and Comorbidities of Tinnitus Chairs: Prof. Dr. Arnaud Noreña / Dr. Philippe Fournier 111 Zhang, Jinsheng: <i>Blast-Induced Tinnitus and Its Related Traumatic Brain Injury (TBI)</i> 120 Hwang, Juen-Haur: <i>Risk of tinnitus in patients with sleep apnea: a nationwide, population-based case-control study</i> 162 Böcking, Benjamin: <i>Self-reported attributions of multimodal treatment improvement in patients with chronic tinnitus</i> 207 Jagoda, Laura: <i>Speech Perception in Tinnitus and its Relations to Distress, Hearing Abilities, and Higher-Order Processes</i>	Session XX Searchfield, Grant Donald: <i>Throwing the ball further: What tinnitus research can learn from Team New Zealand’s winning of yachting’s Americas Cup (103)</i> Panel discussion: on the future of tinnitus research - Identifying gaps, bridging sectors and innovating science Chairs: Prof. Dr. Berthold Langguth / Prof. Ana Belén Elgoyhen Panellists: <i>From the perspective of researchers:</i> Prof. Dr. Dirk De Ridder <i>From the perspective of patients:</i> Steve Harrison <i>From the perspective of clinicians:</i> Prof. Dr. Michael Landgrebe
15:45 – 16:00	COFFEE BREAK	
16:00 – 16:30	KEYNOTE IX Prof. Dr. Sven Vanneste <i>Pathophysiological differences in phantom sound: subtypes in tinnitus</i> Chair: Prof. Dr. Nathan Weisz	
16:30 – 17:00	Fare Well and Awards Dr. Raj Shekhawat & Dr. Winfried Schlee Travel Awards Poster Awards Preview for the next TRI meeting	