

7th International Conference on Tinnitus
Tinnitus: A Treatable Disease
 May 15 – 18, 2013, Valencia, Spain

Overview Scientific Program

	May 15th	May 16th	May 17th		May 18th		
09:00-9:40		<i>Tinnitus Management: A Multidisciplinary Approach: Essential in Diagnosis and Therapy</i> T Kleinjung (ENT) G Searchfield (Audiologist) JM Lainez (Neurologist) P Kreuzer (Psychiatrist) NN (Psychotherapist)...	Keynote Speaker <i>Sound Therapy: Masking or Curing: The Clinical Perspective</i> Grant Searchfield New Zealand		Keynote Speaker <i>Tinnitus: Brain Connectivity and its Dynamics</i> Winnie Schlee Germany		
09:40-10:15			Keynote Speaker <i>Sound Therapy: The Basic Neuroscientist's Perspective</i> Arnaud Norena France		Invited Speaker <i>Pulsatile Tinnitus</i> Dirk De Ridder New Zealand		
10:15-10:45		Coffee Break					
10:45-12:45		Session 1 Sound Therapy Chair R Tyler I Diges	Session 2 Animal Research Chair J Turner M Knipper	Session 7 Neuro stimulation Chair D de Ridder T Kleinjung	Session 8 Tinnitus Pathophysiology: The Auditory Pathways Chair A Norena J Zhang	Session 11 Neuro-imaging of Tinnitus Chair A Cacace S Vanneste	Session 12 Tinnitus Pathophysiology: Interaction between Auditory and Non-auditory Pathways Chair AB Elgoyhen A Møller
12:45-13:45		Lunch					
13:45-15:15		Session 3 Pharmacological Treatment Chair J Narco P Smith	Session 4 CBT / TRT Chair L Roberts G. Searchfield	Session 9 Epidemiology and Prevention Chair D Hall P van de Heyning	Session 10 Posttraumatic Tinnitus Chair R Salvi S Hébert	Keynote Speaker <i>Tinnitus and Stress</i> Sylvie Hébert Canada Closing Remarks Tinnitus: A Treatable Disease	
15:15-15:45		Coffee Break					
15:45-17:15		Session 5 Research Methodology and Infrastructure Chair D Hall M Landgrebe	Session 6 Round Table: Tinnitus Management Chair R Figueiredo C Morera	<i>Stepped Care Approach</i> R Cima The Netherlands <i>Treatment of Tinnitus with Cochlear Implant</i> R Tyler USA			
17:15-18:30		Poster Session I 1 Pathophysiology 2 Tinnitus Assessment 3 Clinical Management 4 Others		Poster Session II 5 Sound Treatment 6 Neuroimaging 7 CBT/TRT 8 Neurostimulation 9 Others			
20:00-21:00	Openings Speaker		Banquet				
21:00	Welcome Cocktail						

Detailed Scientific Program Wednesday, May 15

08:00 - 09:00 p.m.	Openings Speaker
09:00 p.m. - ...	Welcome Cocktail

Detailed Scientific Program Thursday, May 16

09:00 - 10:15 a.m.	<p><i>Tinnitus Management: A Multidisciplinary Approach: Essentials in Diagnosis and Therapy</i></p> <p>T Kleinjung (ENT) G Searchfield (Audiologist) JM Lainez (Neurologist) P Kreuzer (Psychiatrist) D. De Ridder (Neurosurgeon)</p>	
-----Coffee Break (30 min)-----Coffee Break (30 min)-----Coffee Break (30 min)-----		
10:45 a.m. - 12:45 p.m.	<p style="text-align: center;">Session 1: Sound Therapy Chair: R Tyler, I Diges</p> <ol style="list-style-type: none"> Adamchic I: <i>Reducing tinnitus-related auditory binding in a pitch processing network by acoustic CR neuromodulation</i> Olze H: <i>Patients with asymmetric hearing loss/single-sided deafness benefit from CI regarding health-related quality of life, tinnitus, and psychological comorbidity</i> Pape J: <i>Playing and listening to tailor-made notched music: the effectiveness of multimodal and unimodal usctraining in tinnitus therapy</i> Reimer Á: <i>Change of tinnitus severity over time and trial with listening to notched music</i> Silchenko A: <i>Impact of acoustic coordinated reset neuromodulation on effective connectivity in a neural network of phantom sound</i> Shekhawat GS: <i>double blind, sham-controlled, randomized clinical trial of transcranial direct current stimulation (tDCS) and hearing aids for tinnitus management</i> 	<p style="text-align: center;">Session 2: Animal Models of Tinnitus Chair: J Turner, M Knipper</p> <ol style="list-style-type: none"> Gold J: <i>Towards a better model of tinnitus: Gap detection behaviour in adult ferrets</i> M Knipper: <i>Molecular basis of tinnitus</i> Berger J: <i>Neuronal gap detection in the inferior colliculus in a guinea pig model of noise-induced tinnitus</i> Coomber B: <i>Changes in nitric oxide synthase distribution in a guinea pig model</i> Miyakawa A: <i>Strain differences in hearing loss-induced GAD65 reduction and a putative tinnitus behaviour in mice</i>
12:45 - 01:45 p.m.-----LUNCH-----LUNCH-----LUNCH-----		
01:45 - 03:15 p.m.	<p style="text-align: center;">Session 3: Pharmacological Treatment Chair: J Narco, P Smith</p> <ol style="list-style-type: none"> Mulders W: <i>Effects of Furosemide on central hyperactivity and tinnitus in a guinea pig model</i> Turner J: <i>AUT3, a Kv3 positive modulator, suppresses chronic noise-induced tinnitus in a rat model</i> Zheng Y: <i>Effect of early treatment with L-baclofen on the development of tinnitus induced by acoustic trauma in rats</i> Muehlmeier G: <i>Safety and practical aspects of intratympanic injections for tinnitus therapy – results and insights from the clinical development of AM-101</i> Szcepek A: <i>Nanoquinone Q 10 as a promising treatment for tinnitus in a subgroup of patients</i> 	<p style="text-align: center;">Session 4: CBT/TRT Chair: L Roberts, G Searchfield</p> <ol style="list-style-type: none"> Gans J: <i>Mindfulness-based tinnitus stress reduction pilot study: A symptom perception shift program</i> Nyenhuis N: <i>Cognitive-behavioral self-help interventions in tinnitus: A meta-analysis</i> Roberts L: <i>Role of auditory attention in the generation and maintenance of tinnitus: Evidence and a model</i> Jastreboff P: <i>Treatment of decreased sound tolerance with TRT: Theory and clinical implementation</i> Jastreboff M: <i>Treatment of tinnitus and decreased sound tolerance with TRT in children</i>
-----Coffee Break (30 min)-----Coffee Break (30 min)-----Coffee Break (30 min)-----		
03:45 - 05:15 p.m.	<p style="text-align: center;">Session 5: Research Methodology and Infrastructure Chair: D Hall, M Landgrebe</p> <ol style="list-style-type: none"> Cima R: <i>Clinical trial methodology for CBT based interventions</i> Hall D: <i>Tinnitus Research Infrastructure</i> Landgrebe M: <i>The TRI Tinnitus Database</i> Langguth B: <i>The european COST-program</i> 	<p style="text-align: center;">Session 6: Round Table - Tinnitus Management Chair: R Figueiredo, C Morera</p> <ol style="list-style-type: none"> Diges I: <i>Anomaly and emerging pathognomonic symptoms of autophony and plugged ear</i> Diges I: <i>The neurovegetative dystonia as a cause of pulsatile tinnitus: an interesting response to osteopathic manipulation</i> Hamid M: <i>Tinnitus in Menière's disease</i>
05:15 - 06:30 p.m.	<p>Poster Session I (guided tours)</p> <ol style="list-style-type: none"> Pathophysiology – guided by A Møller Tinnitus Assessment – guided by M Landgrebe Clinical Management – guided by R Figueiredo Others – guided by T Sanchez 	

Detailed Scientific Program Friday, May 17

09:00 - 09:40 a.m.	Keynote Speaker <i>Sound Therapy: Masking or Curing: The Clinical Perspective</i> Grant Searchfield, New Zealand	
09:40 - 10:15 a.m.	Keynote Speaker <i>Sound Therapy: The Basic Neuroscientist's Perspective</i> Arnaud Norena, France	
-----Coffee Break (30 min)-----Coffee Break (30 min)-----Coffee Break (30 min)-----		
10:45 a.m. - 12:45 p.m.	Session 7: Neurostimulation Chair: D de Ridder, T Kleinjung <ol style="list-style-type: none"> 1 Cheung SW: <i>Striatal neuromodulation effects on tinnitus</i> 2 Joos K: <i>Anterior cingulate TMS and electrode implants for tinnitus suppression</i> 3 Plewnia C: <i>Exploration and treatment of tinnitus with transcranial magnetic stimulation: the Tuebingen experience</i> 4 Landgrebe M: <i>rTMS for the treatment of tinnitus: A randomized controlled multicentric study</i> 5 Zhang J: <i>Auditory cortex stimulation to suppress tinnitus: Mechanisms and parameters</i> 6 Joos K: <i>Random noise transcranial stimulation vs tDCS vs tACS: Single session and multiple session data</i> 	Session 8: Tinnitus Pathophysiology: The Auditory Pathways Chair: A Norena, J Zhang <ol style="list-style-type: none"> 1 Galazyuk A: <i>Sound-triggered suppression of background activity in auditory neurons: Implications for residual inhibition of tinnitus</i> 2 Smith P: <i>Cell proliferation in the rat cochlear nucleus following noise exposure</i> 3 Sun W: <i>Early age hearing loss affects central auditory system development and causes hyperacusis behaviour</i> 4 Schulze H: <i>Noise traum induced development of subjective tinnitus: Predisposition and prevention</i> 5 Bao S: <i>Roles of homeostatic and sensory map plasticity in hearing loss-induced tinnitus</i>
12:45 - 01:45 p.m.-----LUNCH-----LUNCH-----LUNCH-----		
01:45 - 03:15 p.m.	Session 9: Epidemiology and Prevention Chair: D Hall, P van de Heyning <ol style="list-style-type: none"> 1 Hall D: <i>Non-otologic risk factors of significant tinnitus: 10-year trends from a nested case-control study in the UK</i> 2 Sanchez T: <i>Tinnitus among teenagers: Simple facts leading to chronicity. What can we do?</i> 3 Sanchez T: <i>Tinnitus among teenagers: Exposure to potential risky leisure habits</i> 4 P van de Heyning: <i>The effect of prevention campaigns on youngsters</i> 5 P van de Heyning: <i>Noise-induced symptoms in a young population</i> 6 E. Wallhaeusser-Franke: <i>Progression of tinnitus-related distress in patients with chronic tinnitus in a 6 year period</i> 	Session 10: Posttraumatic Tinnitus Chair: R Salvi, S Hébert <ol style="list-style-type: none"> 1 T Kleinjung: <i>Trauma associated tinnitus: The clinical perspective</i> 2 P Kreuzer: <i>Posttraumatic tinnitus: TRI database analysis</i> 3 JL Woodard: <i>A neuropsychological profile of blast-induced tinnitus</i> 4 J Zhang: <i>Blast-induced tinnitus and its related traumatic brain injury</i> 5 A Cacace: <i>Investigating the brain "connectome" of blast-induced tinnitus: Some initial observations of a resting-state functional magnetic resonance imaging (RS-fMRI) connectivity analysis</i>
-----Coffee Break (30 min)-----Coffee Break (30 min)-----Coffee Break (30 min)-----		
03:45 - 04:30 p.m.	<i>Stepped Care Approach</i> Rilana Cima, The Netherlands	
04:30 - 05:15 p.m.	<i>Treatment of Tinnitus with Cochlear Implant</i> Richard Tyler, USA	
05:15 - 06:30 p.m.	Poster Session II (guided tours) <ol style="list-style-type: none"> 5 Sound Treatment – guided by G Searchfield 6 Neuroimaging – guided by A Cacace 7 CBT/TRT – guided by P Jastreboff 8 Neurostimulation – guided by T Kleinjung 9 Others – guided by C Coelho 	
08:00 p.m. - ...	BANQUET	

Detailed Scientific Program Saturday, May 18

09:00 - 09:40 a.m.	Keynote Speaker <i>Tinnitus: Brain Connectivity and its Dynamics: Relevance for Treatment</i> Winy Schlee, Germany	
09:40 - 10:15 a.m.	Invited Speaker Pulsatile Tinnitus Dirk De Ridder, New Zealand	
-----Coffee Break (30 min)-----Coffee Break (30 min)-----Coffee Break (30 min)-----		
10:45 - 12:45 p.m.	<p style="text-align: center;">Session 11: Neuroimaging of Tinnitus Chair: A Cacace, S Vanneste</p> <ol style="list-style-type: none"> 1 J Davies: <i>Auditory network connectivity in tinnitus patients: A resting-state fMRI replication study</i> 2 W Kong: <i>Evaluation of resting state brain functional activity in patients with tinnitus by functional magnetic resonance imaging</i> 3 J Melcher: <i>Functional connectivity between primary auditory cortex, cognitive control and default mode networks in tinnitus and hearing loss</i> 4 M Schecklmann: <i>Functional near-infrared spectroscopy in tinnitus</i> 5 K Joos: <i>10 Hz resting state functional connectivity between cingulate and parahippocampus as a determinant for tinnitus distress</i> 6 K Joos: <i>Towards an objectivation of tinnitus. Machine learning approach of resting state electrical brain activity can detect the presence of tinnitus</i> 	<p style="text-align: center;">Session 12: Tinnitus Pathophysiology: Interaction between Auditory and Non-Auditory Pathways Chair: AB Elgoyhen, A Møller</p> <ol style="list-style-type: none"> 1 B Mazurek: <i>Stress changes the protein expression in auditory pathway</i> 2 R Salvi: <i>Neural alterations in outside th classical auditory pathway after treatment with tinnitus inducers: Noise and salicylate</i> 3 S Shore: <i>Altered stimulus-timing dependent multisensory plasticity in dorsal cochlear nucleus following noise exposure and tinnitus induction</i> 4 AB Elgoyhen: <i>Tinnitus as side effect: a drug-target network analysis</i>
12:45 - 01:45 p.m.-----LUNCH-----LUNCH-----LUNCH-----		
01:45 - 02:30 p.m.	Keynote Speaker <i>Tinnitus and Stress</i> Sylvie Hébert, Canada	
02:30 - 03:15 p.m.	Closing Remarks <i>Tinnitus: A Treatable Disease</i>	

Posters

1 Pathophysiology	
P1	Motor Cortex Excitability as Biomarker for Neuroplasticity in Tinnitus Schecklmann M,
P2	Modulatory Effects of Spectral Energy Contrasts on Lateral Inhibition in the Human Auditory Cortex Stein A,
P3	The Enigma of the Tinnitus-free Dream-state. Data from 100 Questionnaires and its Implications for the Pathophysiology of Tinnitus Joos K
P4	Sound-trauma-related Changes of Activity in Circuits of th Auditory Cortex Ohl F
P5	Microglia in the Rat Cochlear Nuclei: A Player in Tinnitus-related Circuit Reorganization? Perin P
P5	A Novel Method for Reliable Repeated Measurements of Auditory Brainstem Response in Rats Treated with Deep Brain Stimulation Smith J
P6	Modulation of auditory cortical responses by attention inside and outside of the tinnitus frequency region Roberts L, Paul B
2 Tinnitus Assessment	
P7	Headache in Tinnitus: Findings of a Questionnaire Survey Schecklmann M
P8	Hyperacusis in Tinnitus: A TRI Database Analysis Schecklmann M,
P9	The Tinnitus/Epilepsy Connection: Establishing Linkage through an On-Line Survey Cacace A
P10	Evaluation of the Acoustic Coordinated Reset® Neurmodulation Device for Tinnitus: Study Protocol for a Double-Blind Randomised Controlled Trial Hoare D
P11	Comparison of Recent Tinnitus Treatments Effect Sizes Davis P,
P12	UK Validation of the Tinnitus Functional Index (TFI): Discriminant and Convergent Validity Hoare D,
P13	Tinnitus and Psychological Distress: Evaluatiing the Effectiveness of Treatment Zaytseva O
3 Clinical Management	
P14	Speech-In-Noise Test with Amplitude Modulated Noise in Normla Hearing Subjects with and without Tinnitus Rabau S,
P15	High Frequency Audiometry in the Daignosis of Tinnitus Vielsmeier V
P16	Speech in Noise in Tinnitus Patients Vielsmeier V
P17	Comparing a Software Tool for Self-Administered Tinnitus Pitch Mathcing with a Standardized Audiometric Procedure Wunderlich R,
P18	Efficiacy of Tailored Psychotropic treatment in Tinitus Patients wih Psychiatric Disorders in Co-Morbidity: A Follow-Up Study Salviati M
P19	Tianeptine: A Possible Action in Neuronal Plasticity in Tinitus Patients: A Preliminary 16-Week Prospective open-lable Trial Coelho C
P20	Multisensory Congruence Treatment for Tinnitus Joos K,

4 Others	
P21	The Non-Surgical Treatment of Di Bartolomeo's Syndrome: The Patulous Eustachian Tube Anomaly and Emerging Pathognomic Symptoms of Autophony and Plugged Ear Di Bartolomeo JR
P22	Tensor Tympany Syndrome (TTTS): One Case Heitzmann T
P23	Long-Term Outcomes of Tinnitus after Treatment of Sudden Sensorineural Hearing Loss Accompanied by Tinnitus Kim YH
P24	Clinical Study on Patient's disability in the Case of Unilateral Sudden Sensorineural Hearing Loss and Tinnitus Lee DH
P25	Petrosquamosal Sinus in the Temporal Bone as a Cause of Pulsatile Tinnitus: A Radiological Detection Liu ZH
P26	Sigmoid Sinus Diverticulum and Pulsatile Tinnitus: Analysis of CT Scans from 15 Cases Liu ZH
P27	Hyperacusis and other Inner Ear Disorders are Improving after Irradiation with Photobiostimulating Lasers Prósper J
P28	Dural Arteriovenous Fistulas in Patients with Pulsatile Tinnitus as Initial Symptom: the Evaluation with CT Angiography Zhao P,
5 Sound Treatment	
P29	Tinnitus Perception Following Middle Ear Implantation for Mixed and Conductive Hearing Loss Maric V,
P30	Intracochlear Electrical Stimulation to Suppress Tinnitus – Towards a Tinnitus Implant Arts R,
P31	Sound Therapy of Tinnitus Based on the Equalization of the Hearing Loss Curve: A Multicenter Study Diges I,
P32	Graphical User Interface for the Sound Therapy of Tinnitus Diges I,
P33	Neuromonics Tinnitus Treatment – Experience at a National University Hospital, Singapore Perumal B
P34	Perceptual Attention Training in Tinnitus Treatment Spiegel D
P35	Follow-Up of CR-Neuromodulation Therapy with Tinnitus Characterization Using a Numeric Scale for the Tinnitus Spectrum Tóth T,
6 Neuroimaging	
P36	Central Mechanisms of Tinnitus Distress Brueggemann P
P37	Neuroimaging in Patients with Chronic Tinnitus Underwent Acupuncture Treatment Onishi E,
P38	Short-Term Plasticity of the Auditory Cortex in Tinnitus Patients Engell A
P39	Structural Changes in Relation to Tinnitus Distress: A VBM Study Golm D,
P40	Pathological Oscillations in Hyperacusis Brain even without Sound Stimuli: A Hyperresponsiveness Network with Paradoxically Inactive Auditory Cortex Song JJ
7 CBT / TRT	
P41	Mindfulness- and Body-Psychotherapy-Based Group-Treatment of Chronic Tinnitus: A Randomized Controlled Pilot Study Holl M,
P42	Clinically-Significant Tinnitus Symptoms: The Role of Top-Down Cognitive Processes Toostani IG
P43	Effects of Counseling, Amplification and Sound Stimulation in Tinnitus Management Caporali S,
P44	Tinnitus and Hypersensitivity to Sound, Integral Therapy of Tinnitus Associated with Auditory Rehabilitation (Knaster Method) and Hearing Systems Garcia V
P45	Correlation Type of Masker Noise of the Minimum Masking Level and tinnitus Questionnaire in Chronic Tinnitus Patients Rabau S

8 Neurostimulation	
P46	Effectiveness of Repetitive Transcranial Magnetic Stimulation to Different Characteristics of Chronic Tinnitus Lin C-D
P47	P300 in the Assessment of chronic Tinnitus Patients Following Repetitive Transcranial Magnetic Stimulation Chung H,
P48	tVNS for the Treatment of Tinnitus Kreuzer P
P49	Structural Brain Changes after 10 Sessions of Left Temporal Low-Frequency rTMS in Patients with Chronic Tinnitus Lehner A,
P50	Repeated Courses of rTMS Treatment in Patients with Chronic Tinnitus Lehner A,
P51	Efficacy and Safety of Transcutaneous Vagus Nerve Stimulation in Tinnitus: A Case Control Study Lehtimäki J,
P52	Comparison of rTMS outcomes between Ipsilateral and Contralateral Auditory Cortex Application in Unilateral Tinnitus Song MH
9 Others	
P53	Misophonia from Aristotle to Levitin Bauman N
P54	A Novel Mechanism for the Cochlear Amplifier Hampton P
P55	Otosociology: The Cause of Tinnitus is Outside the Ear in the Social Environment Lora Diaz JJ
P56	Tinnitus: Not only Treatable but Also Curable Disease Vergara R,