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**ORGANISER**
German Tinnitus Foundation Charité
Luisenstraße 13
10117 Berlin, Germany

**CONGRESS AND EXHIBITION OFFICE**
CPO HANSER SERVICE GmbH
Paulsborner Straße 44
14193 Berlin, Germany
Tel: +49 – (0)30 – 300 669 0

**CONGRESS VENUE**
Langenbeck-Virchow-Haus
Luisenstraße 58 / 59
10117 Berlin, Germany
Berlin extends a warm welcome to the participants of the XI. International Tinnitus Seminar 2014. It is an honour for our city to host this important medical-scientific congress.

For many people tinnitus poses a serious threat to health and quality of life. It is estimated that, in Germany alone, more than eleven million people at least temporarily suffer from the irritating tinnitus noises. And experts predict that the number of those affected will continue to rapidly increase. Which makes it all the more important that considerable effort continue to be made in the research, diagnoses and treatment of this widespread disease.

In Berlin in particular there is the state-of-the-art tinnitus centre of the Charité that, as the largest German specialized facility of its kind, enjoys a great reputation among sufferers as well as in the international research community. Since 2011 the German Tinnitus Foundation Charité has also been committed to research, education and prevention.

As you can see, Berlin offers an excellent professional environment for a successful congress. In addition to the Charité, a leading light of modern medical research and practice, here you find a large spectrum of hospitals supported by various institutions, excellent universities as well as a great number of highly renowned scientific institutions that in many cases conduct cutting-edge research and provide young academics with outstanding opportunities. Above all, there are many innovative enterprises in the areas of biotechnology, medical technology and pharmaceutics. They hallmark Berlin as a modern health-metropolis of international repute.

It is in this spirit that I wish you not only a fruitful professional exchange within the framework of the XI. International Tinnitus Seminar 2014, but also a thoroughly lovely stay in the German capital city, from which you may take lots of new inspirations home with you.

Klaus Wowereit
Governing Mayor of Berlin
Dear congress participants,
Dear colleagues,

It is my personal pleasure to welcome you here in Berlin for the XI. International Tinnitus Seminar. The three hundred year old Charité University Hospital as well as Berlin are settings well known for special events, extraordinary encounters and also for outstanding research.

As Head of the Tinnitus Center at the Charité University Hospital Berlin and as the Congress President of the ITS 2014, I want to thank all of you who have travelled from more than 50 different countries and five continents for enriching this congress with your professional experience and expertise and also for boosting the exchange of thought.

The I. International Tinnitus Seminar was organized in 1979 by colleagues from the State University of New York. Since then, ten International Tinnitus Seminars have been held all over the world to communicate the latest findings and progress of research and treatment. The ultimate goal was and is till today to better understand tinnitus and to develop successful therapies.

During the four days of XI. International Tinnitus Seminar in Berlin, we will address four main topics: basic research, plasticity, comorbidity and treatment. Presentations of outstanding keynote speakers and a great number of oral presentations and posters should spark discussions and reflect the multi-disciplinary approaches in tinnitus research and treatment.

I am confident that the XI. International Tinnitus Seminar will be a milestone in our journey towards a cure for tinnitus!

Prof. Dr. Birgit Mazurek
President of ITS 2014
President of German Tinnitus Foundation Charité
Head of Tinnitus Center at the Charité University Hospital
Dear congress participants,

On behalf of the German Tinnitus Foundation Charité, I warmly welcome you to the XI. International Tinnitus Seminar 2014.

One of the chief concerns of our foundation is to promote international communication in the scientific community. It is our conviction that we can move forward in the highly complex field of tinnitus research and therapy only if you, the experts, share the knowledge and experience you have gained. We therefore thank you for your specific contributions at this international congress.

In your countries the situation may be different, but in Germany too little regard is still paid to the suffering tinnitus causes. The XI. International Tinnitus Seminar will help focus attention on the problem in Germany.

Our Foundation was set up three years ago as a civil society initiative to provide enduring financial support for research. The founders also stipulated that we were to engage in preventive work. A particular target group for our efforts is young people. We invite you to take a look at our website, where we report on all aspects of our work. We are interested in cooperating internationally, and would welcome any proposals.

We all know how important it is that figures in the public eye draw attention not only to the suffering, but also to our efforts in research and therapy. We therefore thank three-time Grammy winner Dianne Reeves and two-time Oscar winner Christoph Waltz for their selfless commitment in supporting this congress. Both are authentic ambassadors for our cause.

I wish you an enjoyable stay in our city and an enriching scientific exchange. The Foundation is celebrating the congress with a charity concert at the French Cathedral (Französische Friedrichstadtkirche). You are heartily invited to attend.

Dr. Kurt Anschütz
Managing Director
German Tinnitus Foundation Charité
Dear colleagues,

Welcome to Berlin! It gives me personal pleasure to welcome you here in Berlin, the capital of Germany, for the XI. International Tinnitus Seminar.

Berlin is an open-minded, cosmopolitan city with an interesting history. It is a city of culture, politics, media and science. Visitors from all over the world love the unique flair of it and I sincerely hope that you will enjoy it as well.

The venue of our congress is the historical campus of Europe's largest, three hundred years-old university hospital - Charité, home of eleven Nobel Price winners in medicine, physiology and chemistry.

The XI. International Tinnitus Seminar will continue the tradition of previous ITS congresses and focus on all aspects regarding tinnitus as an interdisciplinary field: basic research, novel diagnostic, imaging and therapeutic methods of treatment of comorbid diseases.

A particular focus will be put on the emerging issue of cochlear implants and implantable hearing aids as devices that positively influence tinnitus. It is a fascinating field, in which, in recent times, there have been groundbreaking new developments.

We are awaiting an inspiring congress that will not only address the latest developments in all fields of tinnitus, but also create open discussions and interdisciplinary exchanges between all specialists involved in tinnitus.

I wish you a successful congress in a creative and relaxed atmosphere that will encourage an exchange of knowledge in all fields related to tinnitus.

Prof. Dr. Heidi Olze
Director of the Department of Otorhinolaryngology
Charité University Hospital
CONGRESS ORGANISATION AND COMMITTEES

ORGANISER
German Tinnitus Foundation Charité
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10117 Berlin, Germany
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Web: www.deutsche-tinnitus-stiftung-charite.de

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Email: birgit.mazurek@charite.de

SCIENTIFIC SECRETARY
Dr. Agnieszka J. Szczepek
Staff Scientist/ Project Leader
ENT Research Laboratory
Charité University Hospital Berlin
Email: agnes.szczepek@charite.de

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Fax: +49 – (0)30 – 300 669 50
Email: its2014@cpo-hanser.de

STEERING COMMITTEE
- Eberhard Biesinger
  ENT-Center Traunstein
  Traunstein, Germany
- René Dauman
  University Hospital of Bordeaux
  Bordeaux, France
- Gerhard Goebel
  Schön Klinik Roseneck
  Prien am Chiemsee, Germany
- Gerhard Hesse
  Tinnitus-Klinik Dr. Hesse
  Bad Arolsen, Germany
- Volker Kratzsch
  HELIOS Klinik Am Stiftsberg
  Bad Grönenbach, Germany
- Heidi Olze
  ENT Department, Charité University Hospital
  Berlin, Germany
- Tanit Sanchez
  Instituto Ganz Sanchez
  São Paulo, Brazil
- Christian Plewnia
  University Hospital of Tübingen
  Tübingen, Germany
- Hans-Peter Zenner
  University Hospital of Tübingen
  Tübingen, Germany
SCIENTIFIC COMMITTEE

- Jonathan Ashmore, United Kingdom
- Josef Attias, Israel
- Carol Bauer, USA
- Eberhard Biesinger, Germany
- Barbara Carlon, Sweden
- René Dauman, France
- Norbert Dilier, Switzerland
- Jos Eggermont, Canada
- Soly Erlandsson, Sweden
- Arne Ernst, Germany
- Gerhard Goebel, Germany
- Ron Goodey, New Zealand
- Deborah Hall, United Kingdom
- Sylvie Hebert, Canada
- Andreas Heinz, Germany
- Gerhard Hesse, Germany
- Wolfgang Hilker, Germany
- Karl-Bernd Hüttenbrink, Germany
- Pawel Jastreboff, USA
- James Kaltenbach, USA
- Tobias Kleinjung, Switzerland
- Marlies Knipper, Germany
- Göran Laurell, Sweden
- Thomas Lenarz, Germany
- Christoph Matthias, Germany
- Birgit Mazurek, Germany
- Laurence McKenna, United Kingdom
- Aage Moller, USA
- Heidi Olze, Germany
- Christian Plewnia, Germany
- Stefan Plontke, Germany
- Rudolf Probst, Switzerland
- Danuta Raj-Koziak, Poland
- Josef Rauschecker, USA
- Larry Roberts, Canada
- Matthias Rose, Germany
- Rich Salvi, USA
- Tanit Sanchez, Brazil
- Grant Searchfield, New Zealand
- Susan Shore, USA
- Henryk Skarzynski, Poland
- Timo Stöver, Germany
- Josef Syka, Czech Republic
- Agnieszka Szczepak, Germany
- Rich Tyler, USA
- Tom van de Water, USA
- Pim van Dijk, The Netherlands
- Hans-Peter Zenner, Germany
- Jinhsheng Zhang, USA

ADVISORY BOARD TO THE SCIENTIFIC COMMITTEE

- Gerhard Andersson, Sweden
- David Baguley, United Kingdom
- Stefan Dazert, Germany
- Bruno Frachet, France
- Barbara Goldstein, USA
- Kajsa-Mia Holgers, Sweden
- Birger Kollmeier, Germany
- Roland Laszig, Germany
- Hans-Wilhelm Pau, Germany
- Peter K. Plinkert, Germany
- Jean-Luc Puel, France
- Yehoash Raphael, USA
- Abraham Shulman, USA
- Mariola Sliwinska-Kowalska, Poland
- Olivier Sterkers, France
- Paul van de Heyning, Belgium
- Thomas Zahnert, Germany
Inadequate support for research in Germany and a lack of public awareness of the seriousness of tinnitus induced a number of enterprises and personalities to set up the Foundation in 2011. It pursues the following goals:

- to provide financial support for research
- to inform the public about tinnitus and hearing disorders
- to engage in target group-specific prevention work, especially among young people.

The Foundation also seeks to promote international science communication. It has therefore assumed responsibility for organising the XI. International Tinnitus Seminar 2014. What other platform for science communication at the highest level could be more suitable than this international congress at which outstanding experts present their latest findings and subject them to critical scrutiny?

To bring the people affected by tinnitus into direct contact with the XI. International Tinnitus Seminar, the Foundation is organising an informational event open to the public on Saturday, 24 May 2014. This event has already aroused a great deal of interest from patients and media alike.

Two world stars have attested to the outstanding importance of the ITS 2014 in Berlin. American jazz singer and Grammy winner Dianne Reeves has become ambassador of the ITS 2014. And Austrian Oscar winner Christoph Waltz will be addressing words of welcome to the congress. The German Tinnitus Foundation Charité thanks both of them for their exemplary commitment.

Further information in English and German is available online at: www.deutsche-tinnitus-stiftung-charite.de

German Tinnitus Foundation Charité
Dr. Kurt Anschütz, Managing Director
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10117 Berlin, Germany
Tel.: +49 (0)30 85 73 26 86
Email: anschuetz@deutsche-tinnitus-stiftung-charite.de

ÖFFENTLICHE VERANSTALTUNG (German only)
IM RAHMEN DES XI. INTERNATIONAL TINNITUS SEMINAR

SAMSTAG, 24. MAI 2014 // 11:00 - 14:00 UHR
Charité Campus Mitte
Hörsaal Innere Medizin
Sauerbruchweg 2
10115 Berlin

PROGRAMM
Vorsitz: Birgit Mazurek, Berlin
Sprecher: Petra Brüggemann, Berlin
Ursachen von Tinnitus
Sprecher: Gerhard Goebel, Prien am Chiemsee
Begleiterkrankungen bei Tinnitus

Preisverleihung: Tinnitus Stiftungspreis 2014
(gesponsort von der Gabriele Lux Stiftung)

Sprecher: Volker Kratzsch, Bad Grönenbach
Therapiemöglichkeiten bei Tinnitus
Sprecher: Volker Albert, Wuppertal
Aspekte der Selbsthilfegruppenarbeit
Sprecher: Kurt Anschütz, Berlin
Deutsche Tinnitus-Stiftung Charité - Aufgaben und Zukunft
CONGRESS INFORMATION

CONGRESS VENUE
Langenbeck-Virchow-Haus
Luisenstraße 58 / 59
10117 Berlin, Germany

CONGRESS REGISTRATION COUNTER
All congress materials are available at the congress registration counter located in the main foyer of the Langenbeck-Virchow-Haus.

Opening hours
Wednesday, 21 May 2014 07:30 – 19:30  
Thursday, 22 May 2014 07:45 – 18:30  
Friday, 23 May 2014 07:45 – 18:30  
Saturday, 24 May 2014 07:45 – 18:30

ON-SITE REGISTRATION
On-site registration will be processed on a first-come, first-serve basis. Priority will be given to pre-registered participants. Depending on the number of on-site registered participants, availability of congress materials may be limited.

Registration fees
Registration Fee ▶ EUR 600  
Student Fee* ▶ EUR 380

* Please present the certification upon registration at the counter.

Registration fee includes:
▶ Admission to all scientific sessions  
▶ Final printed programme  
▶ Admission to the Opening Ceremony and Welcome Reception  
▶ Admission to the poster exhibition and technical exhibition  
▶ Light lunch and coffee breaks  
▶ Certificate of attendance

NAME BADGES
Participants are kindly requested to wear their name badge at all times during the congress including the Opening Ceremony and Welcome Reception. The colours of the name badges have the following significance:

- blue Participant
- red Staff
- green Exhibitor
- light yellow Press

CONGRESS LANGUAGE
The official language of the XI. International Tinnitus Seminar is English.

PROGRAMME CHANGES
The organisers cannot assume liability for any changes in the congress programme due to external or unforeseen circumstances.

 SPEAKER’S CENTER (supported by 3M)
The Speaker’s Center is located on the first floor of the Langenbeck-Virchow-Haus next to the Langenbeck Room. Speakers are asked to hand in their CD-ROM or USB stick containing the PowerPoint presentation (IBM format or compatible, no multisession) at the latest three hours prior to the presentation. On-site technical staff will offer support. Due to time and technical reasons we kindly ask the speakers not to use their own notebook. In the Speaker’s Center there are several PC working stations, where speakers can also work on their presentation charts in a quiet area. Technical staff will be happy to assist.

Opening hours
Wednesday, 21 May 2014 08:00 – 18:00  
Thursday, 22 May 2014 08:30 – 17:00  
Friday, 23 May 2014 08:30 – 17:00  
Saturday, 24 May 2014 08:30 – 17:00

EACCME / CME Certificates
The XI. International Tinnitus Seminar 2014 is accredited by the Deutsche Ärztekammer Berlin to provide Continuing Medical Education (CME) credits for congress participants.

Accreditation by the Deutsche Ärztekammer Berlin
Congress participants will receive
▶ 6 CME credits per day  
▶ 2 CME credits per workshop

ITS 2014 is also seeking accreditation by the European Council for Continuing Medical Education (EACCME).

You can request your certificate of attendance along with your CME credits online at www.international-tinnitus-seminar-2014.com starting on 26 May 2014 until 31 December 2014. You will be asked to evaluate the congress as part of the online process. Your attendance and full payment will be audited.
CONGRESS INFORMATION

POSTER EXHIBITION
Posters that are assigned to Poster Session P-01 are on display:
▷ from 21 May 2014, 09:00
▷ until 22 May 2014, 18:00

Please put up your poster starting at 09:00 on Wednesday, 21 May 2014, and take it down Thursday, 22 May 2014, at 18:00. Posters which have not been removed by 19:00 will be disposed off.

Poster authors have the opportunity to present their poster(s) to interested congress participants on 21 May 2014 and 22 May 2014 from 13:00 – 14:30.

Posters that are assigned to Poster Session P-02 are on display:
▷ from 23 May 2014, 09:00
▷ until 24 May 2014, 16:00

Please put up your poster starting at 09:00 on Friday, 23 May 2014, and take it down Saturday, 24 May 2014, at 16:00. Posters which have not been removed by 17:00 will be disposed off.

Poster authors have the opportunity to present their poster(s) to interested congress participants on 23 May 2014 and 24 May 2014 from 13:00 – 14:30.

The size of the poster wall is 90 cm wide and 120 cm high. The best posters will be awarded on Saturday, 24 May 2014, at 16:00 in the Auditorium.

TECHNICAL EXHIBITION
The technical exhibition is located in the main foyers of the Langenbeck-Virchow-Haus.

Opening hours
Wednesday, 21 May 2014 09:00 – 21:00
Thursday, 22 May 2014 09:00 – 18:30
Friday, 23 May 2014 09:00 – 18:30
Saturday, 24 May 2014 09:00 – 18:30

CLOAKROOM
A cloakroom can be found in the main foyer of the Langenbeck-Virchow-Haus from Wednesday, 21 May through Saturday, 24 May 2014. The cloakroom will be open during regular congress opening hours and is free of charge. Participants can also store their luggage there.

COFFEE BREAKS
Coffee and tea will be served free of charge to all registered participants during the coffee breaks. Coffee bar stations are located in the main foyers of the Langenbeck-Virchow-Haus.

Wednesday, 21 May 2014 11:00 – 11:30
16:00 – 16:30
Thursday, 22 May 2014 11:00 – 11:30
16:00 – 16:30
Friday, 23 May 2014 10:45 – 11:30
16:00 – 16:30
Saturday, 24 May 2014 11:00 – 11:30
16:10 – 16:30

LUNCH BREAKS
Light lunches will be served for registered participants from 13:00 until 14:30 from Wednesday, 21 May through Saturday, 24 May 2014. The catering stations are located in the main foyer of the Langenbeck-Virchow-Haus.

HOW TO GET TO THE CONGRESS VENUE

Arriving by air
From Tegel Airport take the TXL bus to Karlplatz, from where it is approximately 3 minutes by foot in the direction of the Charité. From the opposite side of the street (Schumannstr. / Luisenstr.) you can also take Bus 147 for one stop to the Charité-Campus Mitte bus stop. The bus stops directly in front of the Langenbeck-Virchow-Haus.

From Schönefeld Airport take the shuttle bus to the train station Flughafen Berlin-Schönefeld. From here take the regional train RB 22 to Friedrichstraße or S-Bahn S 9 to Ostkreuz and then S 5 to Friedrichstraße; here take Bus 147 (towards Leopoldplatz) as far as the Charité-Campus Mitte bus stop. The bus stops directly in front of the Langenbeck-Virchow-Haus.

Transfer times by taxi:
Tegel Airport: approximately 20 minutes
Schönefeld Airport: approximately 50 – 60 minutes

Arriving by train
From the main railway station (Hauptbahnhof) take Bus 147 towards Puschkinallee as far as the Luisenstraße/Charité bus stop. The bus stops directly in front of the Langenbeck-Virchow-Haus. From Ostbahnhof take the S-Bahn S 5, S 7 or S 75 as far as Friedrichstraße, and from there Bus 147 (towards Leopoldplatz) as far as the Charité-Campus Mitte bus stop.
PUBLIC TRANSPORTATION
Berlin is divided into transport zones A, B and C, but for most travel purposes A and B will be sufficient.
Day Pass  ▶  6.70 EUR
Single Ticket ▶  2.60 EUR
4-Trip Ticket ▶  8.80 EUR

TAXI
If you need a taxi, please call:
+49 – (0)30 – 44 33 22
+49 – (0)30 – 21 02 02

PARKING
For parking near the Langenbeck-Virchow-Haus, you may use the public parking garage at Luisenstr. 50 / 51. The garage is open 24 hours and has the following rates:
First half-hour:   EUR 1,00
Second half-hour: EUR 1,00
Every subsequent hour: EUR 1,80
A 24-hour ticket:  EUR 10,00

MOBILE PHONES
Participants are kindly requested to keep their mobile phones turned off while attending the scientific sessions in the meeting rooms.

INSURANCE
ITS does not accept any liability for damages and/or losses of any kind which may be incurred by the congress participants or by any person accompanying them, during either the official activities or events. Delegates participate in all events at their own risk. Participants are advised to take out insurance against loss, accidents or damage that could be incurred during the congress.

FORMATS & TOPICS

FORMATS
The congress programme is sorted chronologically by days (page 18 – 32). For better orientation within the scientific programme all sessions have been colour coded.

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<th>Code</th>
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<td>B</td>
<td>Special Session</td>
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<td>KN</td>
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<td>IS</td>
<td>Industry-sponsored Session</td>
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TOPICS
1. Auditory implants
2. Basic research
3. Brain stimulation
4. Case reports
5. Clinical management
6. Clinical studies
7. Comorbidity
8. Diagnosis
9. Epidemiology
10. Genetics
11. Hearing aids and sound therapy
12. Hyperacusis
13. Imaging
14. New ototoxic drugs
15. Pharmacology
16. Plasticity
17. Psychoacoustics
18. Somatosensory tinnitus
19. Stress and tinnitus
20. Treatment of comorbid mental disorders
PROGRAMME OVERVIEW
WEDNESDAY, 21 MAY 2014

<table>
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<th>Auditorium</th>
<th>Rudolf Virchow</th>
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## PROGRAMME OVERVIEW

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Weather permitting, the workshop will take place outside. Workshop participants are requested to meet at the registration counter at 8:00 on 24 May 2014.
WS-01 Workshop
08:15 – 09:15 // Rudolf Virchow Room
Intra-individual variability in tinnitus patients
Chairs: René Dauman, Bordeaux (France)
Nicolas Dauman, Poitiers (France)
Soly I. Erlandsson, Trollhättan (Sweden)
Linda Lundin, Trollhättan (Sweden)

WS-02 Workshop
08:15 – 09:15 // Emil von Behring Room
Sound therapy
Chairs: Luca del Bo, Milano (Italy)
Arnaud Norena, Marseille (France)

P-01 Poster Session
08:15 – 18:00 // Bernhard von Langenbeck Room
Auditory implants

001 Tinnitus suppression with looped intracochlear electrical stimulation: first results
Remo Arts, Maastricht (The Netherlands)
Erwin George, Andreas Griessner, Clemens Zierhofer, Robert J. Stokroos

002 The association between cochlear implantation and tinnitus
Hung-Ching Lin, Taipei (Taiwan)

Brain stimulation

011 Gamma band desynchronization by transcutaneous vagus nerve stimulation
Petteri Hyvärinen, Helsinki (Finland)
Santeri Yrttiaho, Jarmo Lehtimäki, Antti Mäkitie, Jukka Ylikoski, Jyrki Mäkelä, Antti Aarnisalo

012 Comparison of positioning the cathode in tDCS
Sarah Rabau, Antwerpen (Belgium)
Paul van de Heyning

013 Deep brain stimulation as a potential treatment of tinnitus: assessing hearing loss as a side-effect
Jasper Smit, Maastricht (The Netherlands)
Ali Jahanshahi, Marcus L. F. Janssen, Lucien J. C. Anteunis, Robert J. Stokroos, Y. Temel

Case reports

014 The experience of tinnitus and its interaction with unique life stories
Soly Erlandsson, Trollhättan (Sweden)
Linda Lundin, Nicolas Dauman

015 Suprachiasmatic meningioma: a rare cause of tinnitus
Sandie Ewe, Bandar Tun Razak (Malaysia)
Aini Abd Aziz, Azizi Abu Bakar, Asma Abdullah
P-01 Poster Session
08:15 – 18:00 // Bernhard von Langenbeck Room
Clinical studies

027 One decade of the “Heidelberg Model of Neuro-Music Therapy” in tinnitus
Heike Argstätter, Heidelberg (Germany)
Miriam Grapp, Hans-Volk-Freyboh

028 Central mechanisms of tinnitus distress
Petr Bruggemann, Berlin (Germany)
Claudia Seydel, Birgit Mazurek

029 Extended high frequency assessment in patients with tinnitus and normal hearing in conventional audiometry
Valeria García Cabrera, María de la Viñas, Hernando Leal, Diana Martínez Meneguí, Nuria Salva Carda, Cesar Gonzalez Dominguez, Montserrat Burgos Heras, Tatiana Salazar Rincón, Carmen Lopez García

030 Tailor-made notched music training against tinnitus in a randomized controlled clinical trial: protocol and first data
Robert Wunderlich, Münster (Germany)
Pia Lau, Alwina Stein, Alva Engell, Andreas Wolfrinck, Alex Shaykevich, Claudia Rudack, Christo Pantel

031 Clinical experience with the neurostimulator T30CR in patients with chronic tinnitus
Hannes Wurzer, Munich (Germany)

P-01 Poster Session
08:15 – 18:00 // Bernhard von Langenbeck Room
Comorbidity

032 The PHQ2 for routine mental health screening of tinnitus patients
Steven Benton, Decatur (USA)

033 Altered emotional reactivity in tinnitus sufferers
Philippe Fournier, Montréal (Canada)
Pierre Rainville, Marie-Andrée Cormier, Sylvie Hébert

034 Tinnitus: the first sign of Ménière’s disease?
Karl-Friedrich Hamann, Munich (Germany)

035 Vestibular system in tinnitus patients
Magdalena Jozefowicz-Korchynska, Lodz (Poland)
Anna Pajor

036 Determination of pulse-synchronous tinnitus and personal factors among elderly individuals with idiopathic intracranial hypertension in Nigeria
Ayo Osisanya (Nigeria)
Adewumi Ojetoyinbo, Olusola Olatunde

037 Correlations of chronic tinnitus & pain
Jenny Adolphi, Berlin (Germany)
Petra Brüggemann, Birgit Mazurek
### Scientific Programme

#### Wednesday, 21 May 2014

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<td>P-01 Poster Session</td>
<td>Bernhard von Langenbeck Room</td>
<td>Diagnosis</td>
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</table>
| 08:30  | 036 The state and art of tinnitus research from a critical discourse perspective |  | Soly I. Erlandsson, Trollhättan (Sweden)  
Nicolas Dauman, Margareta Bohlin |
| 08:45  | 039 Validation of the Dutch version of the tinnitus functional index |  | Sarah Rabau, Antwerpen (Belgium)  
Paul van de Heyning |
| 09:15  | B-01 Special Session | Auditorium                        | Opening Ceremony                                                       |
|        |  |                      | Chairs: Birgit Mazurek, Berlin (Germany)  
Karl Max Einhaupl, Berlin, MI (USA)  
Video: Two-time Oscar winner Christoph Waltz |
| 09:30  | KN-01 Keynote Session | Auditorium                        | The future of biomedical research in the inner ear biology            |
|        |  |                      | Chairs: Agnieszka J. Szczepak, Berlin (Germany)  
Jinsheng Zhang, Detroit, MI (USA)  
Speaker: Marlies Knipper, Tübingen (Germany) |
| 10:00  | KN-02 Keynote Session | Auditorium                        | Ototoxicity as a tinnitus-inducing pathomechanism                     |
|        |  |                      | Chairs: Agnieszka J. Szczepak, Berlin (Germany)  
Jinsheng Zhang, Detroit, MI (USA)  
Speaker: Thomas R. Van De Water, Miami, FL (USA) |
| 10:30  | OP-01 Oral Presentation Session | Auditorium                        | Basic Research I                                                      |
|        |  |                      | Chairs: Agnieszka J. Szczepak, Berlin (Germany)  
Jinsheng Zhang, Detroit, MI (USA) |
| 11:30  | KN-03 Keynote Session | Auditorium                        | Regeneration in peripheral auditory system - future alternative to hearing aids? |
|        |  |                      | Chairs: Marlies Knipper, Tübingen (Germany)  
Barbara Canlon, Stockholm (Sweden) |
| 12:00  | OP-02 Oral Presentation Session | Auditorium                        | Basic Research II                                                     |
|        |  |                      | Chairs: Marlies Knipper, Tübingen (Germany)  
Barbara Canlon, Stockholm (Sweden) |
| 12:30  | B-02 Special Session | Auditorium                        | What I always wanted to know about...                                 |
|        |  |                      | Chairs: Marlies Knipper, Tübingen (Germany)  
Barbara Canlon, Stockholm (Sweden) |
| 13:00  | B-03 Special Session | Rudolf Virchow Room               | Press Conference                                                      |
|        |  |                      | Chairs: Birgit Mazurek, Berlin (Germany)  
Gerhard Goebel, Prien a. Chiemsee (Germany)  
Kurt Anschütz, Berlin (Germany)  
Matthias Rose, Berlin (Germany)  
Josef P. Rauschecker, Washington, D.C. (USA)  
Bernd Fritzsch, Iowa City, IA (USA) |
Animal models in tinnitus research

**Chairs:** Susan Shore, Ann Arbor, MI (USA)
Jeremy Turner, Jacksonville, IL (USA)

**Speaker:** Jeremy Turner, Jacksonville, IL (USA)

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**Basic Research III**

**Chair:** Susan Shore, Ann Arbor, MI (USA)
Jeremy Turner, Jacksonville, IL (USA)

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**OP-03 Oral Presentation Session**

15:00 – 16:00 // Auditorium

**Basic Research III**

**Chairs:** Susan Shore, Ann Arbor, MI (USA)
Jeremy Turner, Jacksonville, IL (USA)

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**Konstantin Tziridis,** Erlangen (Germany)

**Sönke Ahlf,** Holger Schulze

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**Jaika Witana,** Sheffield (United Kingdom)

**Soumit Dasgupta**

---

**Roland Schaette,** London (United Kingdom)

**Peter Diehl**

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**Manuela Nowotny,** Frankfurt am Main (Germany)

**LENNEKE KIEFER,** Bernhard Gaese

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**OP-04 Oral Presentation Session**

15:00 – 16:00 // Rudolf Virchow Room

**Hearing Aids I**

**Chairs:** Ronald Goody, Auckland (New Zealand)
Tobias Kleinjung, Zurich (Switzerland)

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**Emile de Kleine,** Groningen (The Netherlands)

**Karin M. Heijneman**, Pim van Dijk

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**KN-05 Keynote Session**

16:30 – 17:00 // Auditorium

**Mechanisms of peripheral tinnitus**

**Chairs:** Richard S. Tyler, Iowa City, IA (USA)
Grant Searchfield, Auckland (New Zealand)

**Speaker:** Hans-Peter Zenner, Tübingen (Germany)

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**OP-05 Oral Presentation Session**

17:00 – 17:45 // Auditorium

**Hearing Aids II**

**Chairs:** Richard S. Tyler, Iowa City, IA (USA)
Grant Searchfield, Auckland (New Zealand)

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**Steven Benton,** Decatur, GA (USA)

---

**Jeff Davies,** Nottingham (United Kingdom)

---

**Richard S. Tyler,** Iowa City, IA (USA)

**Shelley Witt,** Hyung Jin Jun, Tang-Chuan Wang, Helena Ji, Eveling Yarima Rojas Roncancio, Christina Stocking, Thomas Meyer

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**OP-06 Oral Presentation Session**

17:00 – 17:45 // Rudolf Virchow Room

**Epidemiology**

**Chairs:** Deborah Hall, Nottingham (United Kingdom)
Gerhard Goebel, Prien a. Chiemsee (Germany)

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**Deborah Hall,** Nottingham (United Kingdom)

**Michael Akeroyd,** William Whitmer, Robert Mackinnon, Heather Fortnum, David Moore

---

**Danuta Raj-Koziak,** Warsaw (Poland)

**Anna Piotrowska,** Krzysztof Tarczynski, Krzysztof Kochanek, Henryk Skarzynski

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**Annick Gilles,** Edegem (Belgium)

**Paul van de Heyning**
**BC-04** Special Session

18:00 – 19:30 // Auditorium

**Tonndorf Lecture**

*Chair:* Birgit Mazurek, Berlin (Germany)

Welcome Address by the Senator for Health and Welfare
Mario Czaja, Berlin (Germany)

Laudation for Tonndorf Award Winner
Birgit Mazurek, Berlin (Germany), Agnieszka J. Szczepa, Berlin (Germany)

**Get-Together**

19:30 – 21:00 // Langenbeck-Virchow-Haus

(see page 35)

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**THURSDAY, 22 MAY 2014**

**WS-03** Workshop

08:15 – 09:15 // Rudolf Virchow Room

**Auditory therapy**

*Chairs:* Gerhard Hesse, Bad Arolsen (Germany) Kirsten Gehrmann, Bad Arolsen (Germany)

**WS-04** Workshop

08:15 – 09:15 // Emil von Behring Room

**Somatosensory tinnitus – diagnosis and therapy**

*Chairs:* Tanit Sanchez, São Paulo (Brazil) Eberhard Biesinger, Traunstein (Germany)

**P-01** Poster Session

08:15 – 18:00 // Bernhard von Langenbeck Room

(see pages 18 – 20)

**KN-06** Keynote Session

09:30 – 10:00 // Auditorium

**Neuronal plasticity in learning and memory**

*Chairs:* Larry E. Roberts, Hamilton (Canada) Christian Plewnia, Tübingen (Germany)

*Speaker:* Martin Korte, Braunschweig (Germany)

**OP-07** Oral Presentation Session

10:00 – 11:00 // Auditorium

**Plasticity I**

*Chairs:* Larry E. Roberts, Hamilton (Canada) Christian Plewnia, Tübingen (Germany)

**001** Neuro-rehabilitation approaches based on auditory cortex plasticity

Christo Pantev, Münster (Germany)

**002** Surface based morphometry analysis of neuroplasticity induced changes in the brain of patients with tinnitus

Patrick Neff, Zurich (Switzerland) Martin Meyer, Tobias Kleinjung, Berthold Langguth, Martin Scheckmenn

**003** Top-down processes involved with loudness adaptation and neural suppression: implications for tinnitus

Hubert Lim, Minneapolis, MN (USA) Craig Markovitz, Georg Berding, Florian Wilke, Thilo Rode, Frank Bengel, Thomas Lenarz
KN-07  Keynote Session
11:30 – 12:00 // Auditorium
Pathophysiological mechanisms of neuropathic pain
Chairs: Jos Eggermont, Calgary, AB (Canada)
Aage R. Møller, Richardson, TX (USA)
Speaker: Stephen B. McMahon, London (United Kingdom)

OP-08  Oral Presentation Session
12:30 – 13:00 // Auditorium
Plasticity II
Chairs: Jos Eggermont, Calgary, AB (Canada)
Aage R. Møller, Richardson, TX (USA)

001  Modulation of auditory cortical representations by top-down auditory attention is modified in tinnitus
Larry E. Roberts, Hamilton (Canada)
Brandon Paul, Ian Bruce, Daniel J. Bosnyak

002  Hyperactivity in the inferior colliculus after noise trauma and its modulation by extra-cochlear electric stimulation
Arnaud Norena, Marseille (France)
W. H. A. M. Mulders, Donald Robertson

IS-01  Industry Symposium
13:00 – 14:30 // Auditorium
Industry-sponsored Session (see page 32)

KN-09  Keynote Session
14:30 – 15:00 // Auditorium
General use and interpretation of EEG – diagnostic possibilities for tinnitus
Chairs: Josef P. Rauschecker, Washington, D.C. (USA)
Arnaud Norena, Marseille (France)
Speaker: Christoph Herrmann, Oldenburg (Germany)

OP-10  Oral Presentation Session
17:00 – 18:00 // Auditorium
Brain Stimulation/Imaging I
Chairs: Arneborg Ernst, Berlin (Germany)
Gerhard Hesse, Bad Arolsen (Germany)

001  The impact of deep brain stimulation on pre-existing tinnitus: a multicenter questionnaire study
Jasper Smit, Maastricht (The Netherlands)
Marcus L. F. Janssen, M. Engelhard, R. De Bie, F. Contarino, Y. Temel, Robert J. Stokroos

002  The added effect of transcranial direct current stimulation for the treatment of acute tinnitus
Sarah Rabau, Antwerpen (Belgium)
Paul van de Heyning
## SCIENTIFIC PROGRAMME
### THURSDAY, 22 MAY 2014 // FRIDAY, 23 MAY 2014

### 001 Connectivity analysis of auditory network on acute onset tinnitus patients: a resting-state fMRI study
*Duen-Lii Hsieh, Taipei (Taiwan)*
*Tien-Chen Liu, Jyh-Hong Chen*

### 002 Impact of acoustic coordinated reset neuromodulation on effective connectivity in a neural network of phantom sound
*Alexander Silchenko, Jülich (Germany)*
*Ilya Adamchic, Christian Hauptmann, Peter Tass*

### OP-11 Oral Presentation Session
17:00 – 17:45 // Rudolf Virchow Room
Oral Presentation Session: Brain Stimulation/Imaging II
*Chairs:* Christo Pantev, Münster (Germany)
René Dauman, Bordeaux (France)

### 003 Quantitative electroencephalography as a supportive method for diagnosis and therapy of chronic bilateral tinnitus
*Monika Lewandowska, Warsaw (Poland)*
*Rafal Milner, Małgorzata Ganc, Iwona Niedźialek, Henryk Skarzynski*

### 004 Steady-state auditory evoked fields in normal subjects and tinnitus patients
*Lieber Po-Hung Li, Taipei (Taiwan)*
*An-Suey Shiao, Po-Lei Lee*

### 005 Abnormal brain activity and cross-frequency coupling in the tinnitus network
*Peter Tass, Jülich (Germany)*
*Ilya Adamchic, Berthold Langguth, Christian Hauptmann*

### B-07 Special Session
18:00 – 18:15 // Auditorium
XII. International Tinnitus Seminar in 2017
*Chair:* Eberhard Biesinger, Traunstein (Germany)

### FRIDAY, 23 MAY 2014

### WS-05 Workshop
08:15 – 09:15 // Rudolf Virchow Room
Cochlear implant – diagnosis
*Chairs:* Stefan Gräbel, Berlin (Germany)
Ulrike Förster-Ruhrmann, Berlin (Germany)

### WS-06 Workshop
08:15 – 09:15 // Emil von Behring Room
Tinnitus management – patient support groups
*Chairs:* Gerhard Goebel, Prien a. Chiemsee (Germany)
Christopher Kofahl, Hamburg (Germany)

### P-02 Poster Session
08:15 – 18:00 // Bernhard von Langenbeck Room
Epidemiology

### 001 Prevalence and characterization of tinnitus at University Kebangsaan Medical Center (Malaysia)
*Asma Abdullah, Kuala Lumpur (Malaysia)*
*Salina Hussin, Tutiiryani Daud, Maysita Gaffar, Noor Dina Hashim, Kong Mim Han, Siti Salsiah Hasan, Goh Bee See, Roslenda Abdul Rahman*

### 002 Characteristics of the tinnitus related distress in 15 different languages of the Mini-Tinnitus-Questionnaire on the website of the European Federation of Tinnitus Association (EUTI)
*Gerhard Goebel, Prien a. Chiemsee (Germany)*
*Eberhard Biesinger, Conrad Schätz, Volker Albert, Wolfgang Hiller, Manfred Koller, Andreas Schapowal*

### 003 The effect of age, gender and hearing loss on tinnitus severity and emotional state in patients with bilateral chronic tinnitus
*Monika Lewandowska, Warsaw (Poland)*
*Iwona Niedźialek, Małgorzata Ganc, Henryk Skarzynski*

### 004 Associations between tinnitus, neuroticism, depression and anxiety in a large UK population aged 40 to 69 years
*Abby McCormack, Nottingham (United Kingdom)*
*Mark Edmondson-Jones, Heather Fortnum, Piers Dawes, Hugh Middleton, Kevin Munro, David Moore*

### 005 The global prevalence of tinnitus: a systematic review
*Abby McCormack, Nottingham (United Kingdom)*
*Mark Edmondson-Jones, Sarah Wadsworth, Heather Fortnum*

### 006 Tinnitus and hyperacusis among children and adolescents in Denmark (THACAD)
*Susanne Nemholt, Odense M (Denmark)*
007  The assessment of the impact of noise exposure on the occurrence of children tinnitus
Danuta Raj-Koziak, Warsaw (Poland)
Anna Piotrowska, Krzysztof Tarczynski, Krzysztof Kochanek, Henryk Skarzynski

P-02  Poster Session
08:15 – 18:00 // Bernhard von Langenbeck Room
Hearing aids and sound therapy

008  Effects of counseling and sound stimulation with fractal tones in tinnitus management
Sueli Caporali, Lyng (Denmark)
Jette Johansen, Preben Skelgaard

009  The effectiveness of Zen2Go and Widex Zen Therapy in reducing tinnitus distress in normal hearing subjects
Sueli Caporali, Lyng (Denmark)
Anne Mette Jeppesen, Jakob Nielsen

010  Effects of hearing aids on psychoacoustical properties and perception of tinnitus in patients with hearing loss
Hatice Seyra Erbek, Ankara (Turkey)
Elif Goner

011  Managing tinnitus patients with hearing aids: a team approach
Joyce Jeanne Lim, Singapore (Singapore)
Savitha Kamath, David Koh

012  Masking or mixing point: the patient’s choice
Philippe Lurquin, Brussels (Belgium)
Paul Viudez, Marie Paule Thill, Marie-Jo Fraysse

013  Success rate of Tinnitus Retraining Therapy
Philippe Lurquin, Brussels (Belgium)
Yves Vincent, Marie Debaty, Mihaela Horoi

014  A computational model with simplified tonotopicity for tinnitus and its management by sound therapy
Hirofumi Nagashino, Tokushima (Japan)
Yohsuke Kinouchi, Ali Danesh, Abhijit Pandya

015  Automate your research on acoustic stimuli with Tinnitracks
Adrian Noetzel, Hamburg (Germany)

016  Hyperacusis in Hong Kong Chinese: findings with the hyperacusis questionnaire
Anna Kam, Hong Kong (Hong Kong SAR, China)
Eric Leung, Patrick Chan, Aaron Cheung, Michael Tong, Andrew van Hasselt

017  Abnormal resting-state activity and cortical connectivity in patients with chronic tinnitus
Peyman Adjamian, Nottingham (United Kingdom)
Oliver Zobay, Magdalena Sereda, Deborah Hall, Alan Palmer

018  Are there brain anatomical abnormalities associated with tinnitus?
Peyman Adjamian, Nottingham (United Kingdom)
Thomas Allen, Dave Langers, Deborah Hall, Alan Palmer

019  Reduced resting-state brain activity in the default mode network in tinnitus patients
Monika Lewandowska, Warsaw (Poland)
Tomasz Wolak, Iwona Niedzialek, Agnieszka Pluta, Mateusz Rusniak, Katarzyna Ciesla, Henryk Skarzynski

020  Tonotopic organization of the primary auditory cortex in tinnitus
Monika Lewandowska, Warsaw (Poland)
Tomasz Wolak, Rafal Milner, Iwona Niedzialek, Małgorzata Ganc, Katarzyna Ciesla, Mateusz Rusniak, Agnieszka Pluta, Henryk Skarzynski, Piotr Skarzynski

021  Reducing tinnitus-related auditory binding in a pitch processing network by acoustic CR neuromodulation
Ilya Adamchic, Jülich (Germany)
Christian Hauptmann, Peter Tass

022  Time course of neural reorganization after repetitive exposure to tailor made-notched music in tinnitus patients
Alwa Engell, Münster (Germany)
Alwina Stein, Pia Lau, Robert Wunderlich, Markus Junghöfer, Christo Pantev

023  Plasticity in tinnitus patients: a role for the efferent auditory system?
Leontien Geven, Groningen (The Netherlands)
Christine Kueff, Emile de Kleine, Pim van Dijk

024  Multimodal stimulation therapy: developing a noninvasive approach for treating tinnitus
Cory Gloeckner, Minneapolis, MN (USA)
Craig Markovitz, Benjamin Smith, Robert Hughes, Hubert Lim

025  Inhibition-induced plasticity and its modulation in tinnitus patients
Alwina Stein, Münster (Germany)
Alwa Engell, Robert Wunderlich, Pia Lau, Markus Junghöfer, Christo Pantev
SCIENTIFIC PROGRAMME
FRIDAY, 23 MAY 2014

P-02 Poster Session
08:15 –18:00 // Bernhard von Langenbeck Room
Psychoacoustics

026 Mindfulness- and body-psychotherapy-based therapy for the treatment of chronic tinnitus: a randomized controlled pilot study
Maria Holl, Aachen (Germany)
Peter Kreuzer, Monika Goetz, Martin Schecklmann, Michael Landgrebe, Susanne Staudinger, Berthold Langguth

027 Changes over time of psychoacoustic outcome measurements are not a substitute for subjective outcome measurements in acute tinnitus
Sarah Rabau, Antwerpen (Belgium)
Tony Cox, Andrea Kleine Punte, Brecht Waelkens, Annick Gilles, Paul van de Heyning

028 The relationship between audiometric profile and tinnitus pitch in people with narrow tinnitus bandwidth
Magdalena Sereda, Nottingham (United Kingdom)
Mark Edmondson-Jones, Deborah Hall

P-02 Poster Session
08:15 –18:00 // Bernhard von Langenbeck Room
Somatosensory tinnitus

029 The presence of cervical spine disorders in tinnitus patients
Sarah Michiels, Wilrijk (Belgium)
Willem De Hertog, Steven Truijen, Paul van de Heyning

030 Incidence of somatic tinnitus in current ENT practice
Katharina Ostermann, Brussels (Belgium)
Marie Paule Thill, Yves Vincent, Marie Debaty, Philippe Cotton, Philippe Lurquin

031 Tinnitus Retraining Therapy for craniocervical dysesthesia in somatosensory tinnitus patients
Katharina Ostermann, Brussels (Belgium)
Mihaela Horoi, Virginie Herve, Philippe Lurquin, Marie Paule Thill

P-02 Poster Session
08:15 –18:00 // Bernhard von Langenbeck Room
Stress and tinnitus

032 The construction of meaning through psychotherapy - a tinnitus case story
Nicolas Dauman, Poitiers (France)
Saly J. Erlandsson

033 UK validation of the Tinnitus Functional Index (TFI) in a large research population
Kathryn Fackrell, Nottingham (United Kingdom)
Deborah Hall, Johanna Barry, Derek J. Hoare

034 Effects of L’Aquila earthquake in patients with tinnitus: preliminary results
Alessandra Fioretti, Rome (Italy)
Alberto Eibenstein, Matteo De Luca, Luisa Crosta, Theodoros Varvarigos, Maria Lauriello

035 Tinnitus in Hong Kong Chinese: findings in 329 outpatients
Anna Kam, Hong Kong (Hong Kong SAR, China)
Eric Leung, Patrick Chan, Aaron Cheung, Michael Tong, Andrew van Hasselt

036 Acute effects of transcutaneous vagus nerve stimulation (tVNS) on tinnitus related mental stress (TRMS)
Jukka Ylikoski, Helsinki (Finland)
Jarmo Lehtimäki, Matti Ylikoski, Ulla Pirvola, Antti Aarnisalo, Petteri Hyvärinen, Antti Määttä

Keynote Session
09:30 –10:00 // Auditorium
Serotonergic nervous system and depressive disorders
Chairs: Johannes Thome, Rostock (Germany)
Laurence McKenna, London (United Kingdom)
Speaker: Andreas Heinz, Berlin (Germany)

Oral Presentation Session
10:00 –10:45 // Auditorium
Comorbidity I
Chairs: Johannes Thome, Rostock (Germany)
Laurence McKenna, London (United Kingdom)

001 Tools for psychiatric comorbidity screening in tinnitus sufferers
Filippo Mazzei, Rome (Italy)
Massimo Saviliati, Francesco Macrì, Francesco Saverio Bersani, Giuseppe Valeriani, Valeria Testugini, Giancarlo Altissimi, Giancarlo Cianfrone

002 PRISM (Pictorial Representation of Illness and Self Measure) as a new assessment tool for suffering in tinnitus patients
Nicole Martina Peter, Zurich (Switzerland)
Tobias Kleinjung, Lukas Harat, Melanie Wicher, Stefan Buechi, Steffi Weidt

003 Speech-in-noise test with amplitude modulated noise in normal hearing and hearing impaired subjects with and without tinnitus
Sarah Rabau, Antwerpen (Belgium)
Annick Gilles, Griet Mertens, Paul van de Heyning
### OP-13 Oral Presentation Session

**10:00 – 10:45 // Rudolf Virchow Room**

**Diagnosis**

*Chairs:* Erhard Biesinger, Traunstein (Germany)
Tanit Sanchez, São Paulo (Brazil)

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<td>001</td>
<td>Tinnitus - rethought, redefined, successfully treated</td>
<td>William Maxwell, South Portland, ME (USA)</td>
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| 002     | Tinnitus and normal hearing: searching for underlying pathology | Anna Fabijanska, Warsaw (Poland)
Krzysztof Kochanek, Danuta Raj-Koziak, Henryk Skarzynski |
| 003     | Iatrogenic causes of tinnitus, its diagnosis and therapeutic management | Dario Roitman, Buenos Aires (Argentina) |

### OP-14 Oral Presentation Session

**12:00 – 12:30 // Auditorium**

**Comorbidity II**

*Chairs:* Deborah Hall, Nottingham (United Kingdom)
Richard Salvi, Buffalo, NY (USA)

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| 001     | Protocol for a systematic evaluation of the cognitive model of tinnitus distress | Lucy Handscomb, London/Nottingham (United Kingdom)
Derek J. Hoare, Gillian Shorter |
| 002     | Tinnitus severity and impact of psychosocial working conditions | Elisabeth Wallhäuser-Franke, Mannheim (Germany)
Wolfgang Delb |

### OP-15 Oral Presentation Session

**12:00 – 12:30 // Rudolf Virchow Room**

**Hyperacusis I**

*Chairs:* Wolfgang Hiller, Mainz (Germany)
Peta Bruggemann, Berlin (Germany)

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<td>001</td>
<td>Hyperacusis - an often unrecognized spoiler</td>
<td>William Maxwell, South Portland, ME (USA)</td>
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</table>

### RT-01 Special Session

**12:30 – 13:00 // Auditorium**

**Round Table Discussion: Tinnitus - clinical care**

*Chair:* Gerhard Hesse, Bad Arolsen (Germany)

*Experts:* Deborah Hall, Nottingham (United Kingdom)
Matthias Rose, Berlin (Germany)
Tobias Kleijnjen, Zurich (Switzerland)
Stefan Plantke, Halle / Saale (Germany)
Anne-Mette Mohr, Copenhagen (Denmark)

### IS-02 Industry Symposium

**13:00 – 14:30 // Auditorium**

Industry-sponsored session (see page 32)

### OP-16 Oral Presentation Session

**15:30 – 16:00 // Auditorium**

**Stress and tinnitus**

*Chairs:* Birgit Mazurek, Berlin (Germany)
Sylvie Hébert, Montreal (Canada)

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| 001     | Influence of stress on gene and protein expression in the auditory pathway of Lewis rat | Birgit Mazurek, Berlin (Germany)
Agnieszka J. Szczepk |

### KN-12 Keynote Session

**11:30 – 12:00 // Auditorium**

**Beyond psychometry - biomarkers of depression**

*Chairs:* Deborah Hall, Nottingham (United Kingdom)
Richard Salvi, Buffalo, NY (USA)

*Speaker:* Johannes Thome, Rostock (Germany)

### KN-13 Keynote Session

**14:30 – 15:00 // Auditorium**

**Neuroendocrinology of emotional stress**

*Chairs:* Birgit Mazurek, Berlin (Germany)
Sylvie Hébert, Montreal (Canada)

*Speaker:* Ron de Kloet, Leiden (The Netherlands)

### KN-14 Keynote Session

**15:00 – 15:30 // Auditorium**

**Glucocorticoids, stress and circadian influences on the peripheral auditory system**

*Chairs:* Birgit Mazurek, Berlin (Germany)
Sylvie Hébert, Montreal (Canada)

*Speaker:* Barbara Canlon, Stockholm (Sweden)

*Inna Meltser, Christopher R. Cederroth, Vasiliki Basinou, Gabriella S. Lundkvist*
### SCIENTIFIC PROGRAMME

**FRIDAY, 23 MAY 2014**

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<td>002</td>
<td>The impact of self-help group participation on tinnitus-related knowledge, coping and quality of life in members of the German Tinnitus Association</td>
<td>Rudolf Virchow Room</td>
<td>Christopher Kofahl, Hamburg (Germany)</td>
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<td>002</td>
<td>Gap detection thresholds in tinnitus subjects: does tinnitus fill in the silent gaps?</td>
<td>Rudolf Virchow Room</td>
<td>Kris Boyen, Groningen (The Netherlands) Deniz Baskent, Pim van Dijk</td>
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<td>002</td>
<td>Do tinnitus characteristics have an impact on its subjective experience?</td>
<td>Rudolf Virchow Room</td>
<td>Sofie Degeest, Ghent (Belgium) Paul Corthals, Ingeborg Dhooge, Hannah Keppler</td>
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<td>001</td>
<td>Impact of hyperacusis on distress in chronic tinnitus</td>
<td>Auditorium</td>
<td>Wolfgang Hiller, Mainz (Germany) Gerhard Goebel</td>
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<tr>
<td>002</td>
<td>The Hyperacusis-Inventar (HKI): a valid screening instrument for the evaluation of hyperacusis severity under consideration of phonophobia, recruitment and hearing impairment: first results of a therapeutic study</td>
<td>Auditorium</td>
<td>Gerhard Goebel, Prien a. Chiemsee (Germany) Anke Berthold-Scholz, Johannes Schöffel, Uta Floetzinger</td>
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<td>16:30 – 17:00</td>
<td>Newest aspects of neuroimaging in tinnitus diagnosis</td>
<td>Auditorium</td>
<td>Pawel J. Jastreboff, Atlanta, GA (USA) Martin Korte, Braunschweig (Germany)</td>
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<td>17:30 – 18:15</td>
<td>Clinical Excellence Award Lecture</td>
<td>Auditorium</td>
<td>Birgit Mazurek, Berlin (Germany) Rudolf Tauber, Berlin (Germany)</td>
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<td>Gala Dinner</td>
<td>Kalkscheune Berlin</td>
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SCIENTIFIC PROGRAMME
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SATURDAY, 24 MAY 2014

WS-07 Workshop
08:15 – 09:15 // Rudolf Virchow Room
Fitting hearing aids
Chairs: Gerhard Hesse, Bad Arolsen (Germany)
        Martin Kinkel, Burgwedel (Germany)

WS-08 Workshop
08:15 – 09:15 // Auditorium
Stress and tinnitus: Qi Gong
Chairs: Jonathan Baldinger, Bad Grönenbach (Germany)
        Krisztina Kolba, Bad Grönenbach (Germany)

P-02 Poster Session
08:15 – 16:00 // Bernhard von Langenbeck Room
see pages 24 – 26

KN-16 Keynote Session
09:30 – 10:00 // Auditorium
Audiological diagnosis and classification of tinnitus
Chairs: Heidi Olze, Berlin (Germany)
        Richard S. Tyler, Iowa City, IA (USA)
Speaker: Richard S. Tyler, Iowa City, IA (USA)

KN-17 Keynote Session
11:30 – 12:00 // Auditorium
Cognition in tinnitus
Chairs: Matthias Rose, Berlin (Germany)
        Elisabeth Wallhäusser-Franke, Mannheim (Germany)
Speaker: Laurence McKenna, London (United Kingdom)

OP-19 Oral Presentation Session
10:00 – 11:00 // Auditorium
Auditory Implants I
Chairs: Heidi Olze, Berlin (Germany)
        Richard S. Tyler, Iowa City, IA (USA)

001 Impact of cochlear implantation on tinnitus and its comorbid conditions
Heidi Olze, Berlin (Germany)

002 Scalar electrode position and the occurrence of tinnitus in cochlear implantees
Ingo Todt, Berlin (Germany)
Grit Rademacher, Sven Mutze, Arneborg Ernst

003 Cochlear implantation as treatment of severe tinnitus in single-sided deafness
Paul van de Heyning, Edegem (Belgium)
Griet Mertens, Andrea Klein Purée

OP-20 Oral Presentation Session
10:00 – 11:00 // Rudolf Virchow Room
Clinical Management I
Chairs: Henryk Skarzynski, Kajetany (Poland)
        Anne-Mette Mohr, Copenhagen (Denmark)

001 Habituation models: can classical conditioning be applied to tinnitus?
Nicolas Dauman, Poitiers (France)
Soly L. Erlandsson, Sven Carlsson

002 Self-help interventions for tinnitus: a systematic review of techniques and effects
Kate Greenwell, Nottingham (United Kingdom)
Magdalena Sereda, Neil Coulson, Amr El Refaie, Derek J. Hoare

003 Total or significant remission of tinnitus
Tanit Sanchez, São Paulo (Brazil)
Luca del Bo

004 Integrated rehabilitation in Meniere’s disease
Katarzyna Pietrasik, Warsaw (Poland)
Grazyna Tacikowska, Marek Zaleski, Henryk Skarzynski

OP-21 Oral Presentation Session
12:00 – 12:30 // Auditorium
Clinical Studies I
Chairs: Matthias Rose, Berlin (Germany)
        Elisabeth Wallhäusser-Franke, Mannheim (Germany)
Speaker: Laurence McKenna, London (United Kingdom)

001 Clinically relevant changes on the primary tinnitus outcome measures: norms and reliable change analysis
Rilana Cima, Maastricht (The Netherlands)

002 Chronic tinnitus: gender, age and duration of tinnitus influence tinnitus-related distress
Claudia Seydel, Berlin (Germany)
Petra Brüggemann, Birgit Mazurek
### RT-02  Special Session

**12:30 – 13:00 // Auditorium**

**Round Table Discussion: Tinnitus and hearing loss – operative side**

**Chair:** Timo Stöver, Frankfurt am Main (Germany)

**Experts:**
- Henryk Skarzynski, Kajetany (Poland)
- Christoph Matthias, Mainz (Germany)
- Norbert Dillier, Zurich (Switzerland)
- Stefan Dazert, Bochum (Germany)

### IS-03  Industry Symposium

**13:00 – 14:30 // Auditorium**

**Industry-sponsored Session (see page 32)**

### KN-18  Keynote Session

**14:30 – 15:00 // Auditorium**

**Pharmacotherapy for tinnitus**

**Chairs:** Timo Stöver, Frankfurt am Main (Germany)
- Thomas R. Van De Water, Miami, FL (USA)

**Speaker:** Richard Salvi, Buffalo, NY (USA)

### OP-22  Oral Presentation Session

**15:00 – 16:00 // Auditorium**

**Auditory Implants II**

**Chairs:** Timo Stöver, Frankfurt am Main (Germany)
- Thomas R. Van De Water, Miami, FL (USA)

#### OP-23  Oral Presentation Session

**15:00 – 16:00 // Rudolf Virchow Room**

**Clinical Studies II**

**Chairs:**
- Rilana Cima, Maastricht (The Netherlands)
- Christoph Matthias, Mainz (Germany)

#### OP-24  Oral Presentation Session

**17:00 – 18:00 // Auditorium**

**Clinical Management II**

**Chairs:**
- Pawel J. Jastreboff, Atlanta, GA (USA)
- Gerhard Hesse, Bad Arolsen (Germany)

### KN-19  Keynote Session

**16:30 – 17:00 // Auditorium**

**Newest trends of tinnitus therapy**

**Chairs:**
- Pawel J. Jastreboff, Atlanta, GA (USA)
- Gerhard Hesse, Bad Arolsen (Germany)

**Speaker:**
- Gerhard Hesse, Bad Arolsen (Germany)

### B-09  Special Session

**16:00 – 16:10 // Auditorium**

**Poster Award Ceremony**

**Chairs:**
- Tanit Sanchez, São Paulo (Brazil)
- Birgit Mazurek, Berlin (Germany)
- Agnieszka J. Szczepek, Berlin (Germany)
**003**  
Children with tinnitus: developing guidelines for good practice  
Rosie Kentish, London (United Kingdom)  
Veronica Kennedy

**004**  
Speech in amplitude-modulated noise: a test for retrocochlear damage  
Annick Gilles, Edegem (Belgium)  
Sarah Rabau, Paul van de Heyning

**OP-25**  
Oral Presentation Session

17:00 – 17:45 // Rudolf Virchow Room

Clinical Studies III

Chairs: Gerhard Goebel, Prien a. Chiemsee (Germany)  
Volker Kratzsch, Bad Grönenbach (Germany)

**B-10**  
Special Session

18:00 – 18:15 // Auditorium

Closing Ceremony

Chairs: Birgit Mazurek, Berlin (Germany)  
Eberhard Biesinger, Traunstein (Germany)

Outlook on XII. International Tinnitus Seminar 2017  
Eberhard Biesinger, Traunstein (Germany)

**Charity Concert**

19:00 – 21:00 // Französische Friedrichstadtkirche

(see page 35)
INDUSTRY-SPONSORED SESSIONS

THURSDAY, 22 MAY 2014

IS-01 Industry Symposium
13.00 – 14.30 // Auditorium
Cochlear product and therapy updates - innovative, implantable, stimulating!
Chair: Ernst von Wallenberg, Basel (Switzerland)
Cochlear Deutschland GmbH & Co. KG

001 Cochlear’s Hearing Implants - treatment and technology options
Ernst von Wallenberg, Basel (Switzerland)

002 Sound generators for tinnitus suppression in Cochlear Implant users
Richard S. Tyler, Iowa City, IA (USA)

003 Cochlear implants as a treatment for restoration of binaural hearing in patients with severe SSD
Roland Laszig, Freiburg im Breisgau (Germany)

004 Tinnitus and cochlear implantation in elderly patients
Olivier Sterkers, Paris (France)

005 Codacs – new effective treatment for patients with severe to profound mixed hearing loss
Thomas Lenarz, Hannover (Germany)

FRIDAY, 23 MAY 2014

IS-02 Industry Symposium
13.00 – 14.30 // Auditorium
The impact of hearing implants on tinnitus
Chair: Ilona Anderson, Innsbruck (Austria)
MED-EL Deutschland GmbH

001 Welcome
Ilona Anderson, Innsbruck (Austria)

002 Living with tinnitus
David Baguely, Cambridge (United Kingdom)

003 Treating tinnitus with a cochlear implant in single-sided deafness users
Paul van de Heyning, Edegem (Belgium)

004 Tinnitus treatment provides speech understanding benefit
Paul van de Heyning, Edegem (Belgium)

005 Tinnitus and cochlear implants: outcomes from a national study
Martin Kompis, Bern (Switzerland)

006 Tinnitus and cochlear implants outcome
Joost van Tongeren, Amsterdam (The Netherlands)

007 The vibrant soundbridge and the bonebridge: two potential solutions to diminish tinnitus
Severin Fuerhapter, Innsbruck (Austria)

008 Middle ear implants and tinnitus treatment
Eberhard Biesinger, Traunstein (Germany)

SATURDAY, 24 MAY 2014

IS-03 Industry Symposium
13.00 – 14.30 // Auditorium
Multimodal approaches to tinnitus
Chair: Birgit Mazurek, Berlin (Germany)
Dr. Willmar Schwabe Pharmaceuticals

001 Predisposition for and prevention of subjective tinnitus
Holger Schulze, Erlangen (Germany)

002 Defining treatment success in tinnitus
Tanit Sanchez, São Paulo (Brazil)

003 Experience with multimodal treatment in chronic tinnitus
Andreas Schapowal, Landquart (Switzerland)
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AS OF MAY 2014

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OPENING HOURS

Wednesday, 21 May 2014 ➤ 09:00 – 21:00
Thursday, 22 May 2014 ➤ 09:00 – 18:30
Friday, 23 May 2014 ➤ 09:00 – 18:30
Saturday, 24 May 2014 ➤ 09:00 – 18:30

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6 Biebertaler Blutegelzucht
7 GN Otometrics

**EXHIBITION SECOND FLOOR**

**LEGEND**

8 ATMOS
9 MED-EL
10 G. Pohl - Boskamp
12 Deutsche Tinnitus Liga e.V.
SOCIAL EVENTS

GET-TOGETHER / WELCOME RECEPTION
Wednesday, 21 May 2014 19:00 – 21:00
Langenbeck-Virchow-Haus
Luisenstr. 58 / 59, 10117 Berlin (Germany)
// Free of charge for registered participants

All congress participants are cordially invited to take part in the Get-Together, which will take place in the main foyers of the Langenbeck-Virchow-Haus. Finger food and drinks will be provided.

AFTER-WORK-PARTY
Thursday, 22 May 2014 19:00 – 21:00
Rooftop Terrace at IDEAL Versicherung
Kochstr. 26, 10969 Berlin (Germany)
// Cost contribution: EUR 10

Enjoy a glass of wine on the Japanese style rooftop terrace overlooking the famous Checkpoint Charlie, Potsdamer Platz and the Reichstag. We look forward to welcoming you at this special location to finish off a successful and interesting congress day. Finger food and drinks will be provided.

GALA DINNER WITH BUFFET, DRINKS, MUSIC & DANCE
Friday, 23 May 2014 19:30 – 24:00
Kalkscheune Berlin
Johannisstr. 2, 10117 Berlin (Germany)
// Cost contribution: EUR 50

The ambience of a historic factory site, modern equipment and facilities and the fascinating history of the site make the Kalkscheune a very special venue for the Gala Dinner as part of the XI. International Tinnitus Seminar in Berlin.

Guests will be greeted in the lovely courtyard with a glass of sparkling wine. The buffet dinner will then be served in the upstairs gallery hall. House wine, beer, water and coffee will be included during dinner. Afterwards, the party will be continued in the hall downstairs. The DJ will start his entertainment programme, while guests can enjoy a variety of delicious desserts. We are looking forward to sharing this special evening with you.

CHARITY CONCERT
Saturday, 24 May 2014 19:00
Französische Friedrichstadtkirche
Gendarmenmarkt 5, 10117 Berlin (Germany)
// Cost contribution: EUR 10

The XI. International Tinnitus Seminar comes to a festive conclusion with a charity concert at the Französische Friedrichstadtkirche (Gendarmenmarkt) on 24 May 2014 organized by the German Tinnitus Foundation Charité. International artists will be performing in support of the Foundation’s youth prevention work.

Kilian Nauhaus, organist at the Französischer Dom since 1987, has gained an outstanding reputation far beyond Germany as an interpreter of classical and contemporary organ music. On the famous Eule organ, he plays works by Johann Sebastian Bach and Charles-Marie Widor.

In 2011 the Berliner Philharmonic Orchestra had already given a benefit concert to launch the German Tinnitus Foundation Charity. We are grateful for their continued support through the Orchestra Academy for this concert. The Orchestra Academy of the Berlin Philharmonic, founded by Herbert von Karajan, fosters young international artists, three of whom will be appearing:

- Patrik Hofer and Thomas Schleicher, trumpet, perform works by Antonio VIVALDI and Francesco MANFREDINI.
- Rino Kageyama, harp, performs two pieces by Henriette RENIÉ.
- The Tango-Trio CAYAO: The three musicians Iskandar Widjaja, Jarkko Riihimäki and Ander Perrino transport their audience into a world of emotion, of love and longing. In fervent narrative, CAYAO interprets melancholy Finnish melodies and tango from Buenos Aires.
Moderne Tinnitus-Lösungen für Ihre Patienten

KIND bietet ein breites Portfolio an Rauschern und Kombi-Systemen für eine optimale und flexible Tinnitus-Versorgung.

ICH HAB EIN KIND IM OHR

... weil mir so die ganze Welt offen steht.

Stefanie W. verwirklicht durch gutes Hören ihre Lebensträume.
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