

55th Inner Ear Biology Workshop



From basic research to clinical application

6–8 September 2018 | Charité – Campus Mitte | Berlin | Germany



Final
Programme

www.ieb2018.com

Table of Contents

Congress Venue

Charité Campus Mitte
CrossOver Research Building
Charitéplatz 1 / Virchowweg 6
10117 Berlin, Germany

Host

We thank the German Tinnitus Foundation Charité for assuming responsibility for organizing this event.



**DEUTSCHE
TINNITUS-STIFTUNG**

CHARITÉ

German Tinnitus Foundation Charité
Luisenstraße 13
10117 Berlin, Germany

Congress and Exhibition Office

**CPO HANSER[®]
SERVICE**

CPO HANSER SERVICE GmbH
Paulsborner Straße 44
14193 Berlin, Germany
Email: ieb2018@cpo-hanser.de
Phone: +49 – (0)30 – 300 669 0

Welcome addresses	4
Organisation and committees	6
German Tinnitus Foundation Charité	7
Patients' Day (German Only)	7
General information	8
Formats	10
Programme overview	11
Scientific programme	14
Poster exhibition	23
Sponsoring & exhibition	29
Exhibition floor plan	30
Industry-sponsored sessions	31
Social events	32
Index	33

Supported by Deutsche Forschungsgemeinschaft (DFG)



20th German
Tinnitus Symposium
8 September 2018

Welcome address

Chairs of the IEB 2018

Dear Workshop Participants, Dear Colleagues,

I am happy to welcome you to the 55th Inner Ear Biology Workshop here in Berlin.

Berlin is a vibrant metropolis, shaped by cultures and people from many countries. At the heart of the city lies the Charité University Clinic. It was founded in 1710 as a plague hospital. Our two venues for this event, the new Charité CrossOver Building and the venerable Internal Medicine Lecture Building graphically illustrate this historical dimension. Today the Charité is one of the largest university hospitals in Europe. More than half the German winners of the Nobel Prize for medicine or physiology have worked here.

The Inner Ear Biology Workshop was held for the first time in Düsseldorf in 1964. Thanks to growing participation by researchers and clinicians from around the globe, the Workshop has become an important forum. Not only are the latest findings of basic research on the inner ear presented but also possibilities sought for implementation in therapy and technical solutions.

The IEB 2018 will be addressing three main topics: the physiology, pathology, and treatment of the inner ear. Over and above the keynote lectures, a high number of oral presentations, and poster discussions, practical workshops will provide opportunities for in-depth discussion.

Participants originate from more than 30 countries. Sharing our so diverse experience is sure to make this Workshop another milestone on the long road to understanding the inner ear. I wish us all three stimulating days of intensive knowledge exchanges and fresh impetus.

My thanks go to my co-chairs Professor Marlies Knipper, Professor Holger Schulze, and Dr. Eberhard Biesinger for their great engagement in the substantive preparation of the Workshop.

And I thank the board of the German Tinnitus Foundation Charité for their financial and organizational help.

Chair of the IEB 2018



Prof. Dr. Birgit Mazurek
Director of the Tinnitus Center
Charité University Hospital

A handwritten signature in blue ink that reads "Birgit Mazurek".

Co-Chairs of the IEB 2018



Prof. Dr. Holger Schulze
Experimental Otolaryngology,
Friedrich Alexander University
Hospital Erlangen-Nuremberg



Prof. Dr. Marlies Knipper
Tuebingen Hearing Research Center,
Eberhard Karls University Hospital Tuebingen



Dr. Eberhard Biesinger
ENT Clinic Traunstein

Welcome address

Dr. Kurt Anschütz

Dear Workshop Participants,

On behalf of the German Tinnitus Foundation Charité I warmly welcome you to the Inner Ear Biology Workshop 2018.

The German Tinnitus Foundation Charité was set up seven years ago as a civil society initiative to provide enduring financial support for research into tinnitus and hearing and enhance public awareness of the tinnitus condition as well as hearing problems.

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 inner-ear experts, share the knowledge and experience you have gained. We therefore thank you for your specific contributions to this Workshop.

The founders also stipulated that the Foundation was to engage in preventive work. A particular target group for our efforts is young people. With our campaign "I hear something you don't hear," we are present at music festivals and big football games with dozens of young volunteers who inform visitors about protecting their hearing.

We invite you to take a look at our website, where we report on our work. We are interested in cooperating internationally, and we would welcome any suggestions or proposals in this regard.

We could not have financed this Workshop without sponsors and donors. We thank all the firms and organizations that have contributed for their support.

I wish you an enjoyable stay in our city and that your scientific exchanges prove enriching.



Dr. Kurt Anschütz
Managing Director
German Tinnitus Foundation Charité

A handwritten signature in black ink that reads "Kurt Anschütz". The signature is written in a cursive, slightly slanted style.

Organisation and committees

Host

We thank the German Tinnitus Foundation Charité for assuming responsibility for organizing this event.

German Tinnitus Foundation Charité
Luisenstraße 13
10117 Berlin, Germany

Tel.: +49 – (0)30 – 8573 2686

Fax: +49 – (0)30 – 8538 447

Email: info@deutsche-tinnitus-stiftung-charite.de

Web: www.deutsche-tinnitus-stiftung-charite.de

Special thanks

The realization of the congress has been supported generously by:

- Ambulantes Gesundheitszentrum der Charité GmbH / Ambulatory Health Center of Charité GmbH
- Genossenschaftsverband – Verband der Regionen e.V. / Cooperative Union – Association of the Regions e.V.
- Heide und Heinz Dürr Stiftung / Heide and Heinz Dürr Foundation
- IDEAL Versicherung AG / IDEAL Insurance AG
- Berliner Volksbank / Volksbank of Berlin

Workshop chairs

Prof. Dr. Birgit Mazurek
Charité University Hospital Berlin

Prof. Dr. Holger Schulze
Experimental Otolaryngology,
University Hospital Erlangen-Nuremberg

Prof. Dr. Marlies Knipper
Tuebingen Hearing Research Center,
Eberhard Karls University Hospital Tuebingen

Dr. Eberhard Biesinger
ENT Clinic Traunstein

Congress and Exhibition Office

CPOHANSER®
SERVICE

CPO HANSER SERVICE GmbH

Paulsborner Straße 44

14193 Berlin, Germany

Email: ieb2018@cpo-hanser.de

Phone: +49 – (0)30 – 300 669 0

Steering Committee

Prof. Dr. Birgit Mazurek
Charité University Hospital Berlin

Prof. Dr. Heidi Olze
Charité University Hospital Berlin

Prof. Dr. Marlies Knipper
Eberhard Karls University Hospital Tuebingen

Prof. Dr. Stefan Plontke
Martin Luther University Hospital Halle-Wittenberg

Prof. Dr. Timo Stöver
Goethe University Hospital Frankfurt (Main)

Prof. Dr. Hubert Löwenheim
Eberhard Karls University Hospital Tuebingen

Prof. Dr. Christoph Matthias
Johannes Gutenberg University Hospital Mainz

Prof. Dr. Thomas Zahnert
Carl Gustav Carus University Hospital Dresden

Prof. Dr. Arneborg Ernst
Unfallkrankenhaus Berlin

Prof. Dr. Stefan Dazert
St. Elisabeth Hospital Ruhr University Bochum

German Tinnitus Foundation Charité

German Tinnitus Foundation Charité



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 organizing the 55th Inner Ear Biology Workshop 2018. 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?

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

Luisenstraße 13

10117 Berlin, Germany

Phone: +49 – (0)30 – 85 73 26 86

Email: anschuetz@deutsche-tinnitus-stiftung-charite.de



Öffentliche Veranstaltung (German only)

Freitag, 7. September 2018

15:00 – 18:00 Uhr

CCO Auditorium

Veranstaltungsort

Charité CrossOver Research Building

Charitéplatz 1

10117 Berlin

Patients' Day	Special Session
15:00 – 18:00 CCO Auditorium	
Causes, diagnosis, and therapy of tinnitus and disorders of the inner ear	

001 Opening statement

Birgit Mazurek, Berlin

002 Tinnitus and co.: Origins, course, and therapeutic approaches.

A systematic overview

Eberhard Biesinger, Traunstein

003 I can't bear it any longer! Distress and tinnitus

Benjamin Böcking, Berlin

004 Hyperacusis and tinnitus: close family or distant acquaintances?

What can I do?

Gerhard Goebel, Prien a. Chiemsee

005 Rehabilitation for chronic tinnitus

Helmut Scherer, Bad Grönenbach

Presentations last about 20 – 25 minutes each. Afterwards there will be time for discussions and questions. Participation in the above listed session is free of charge

General information

CME Certificates

The 55th Inner Ear Biology Workshop 2018 is accredited by the Deutsche Ärztekammer Berlin to provide Continuing Medical Education (CME) credits for congress participants.

Congress participants will receive

- **6 CME** credits per day
- **2 CME** credits per workshop

You can request your certificate of attendance along with your CME credits by Email starting on 10 September 2018 until 31 December 2018. Please contact Mrs. Astrid Bohne: astrid.bohne@charite.de. Your attendance and full payment will be audited.

Coffee breaks

Coffee and water will be served free of charge to all registered participants during the coffee breaks. The coffee bar station is located in the main foyer of the CrossOver Research Building.

Thursday, 6 September 2018	11:00 – 11:30	16:00 – 16:30
Friday, 7 September 2018	11:00 – 11:30	16:00 – 16:30
Saturday, 8 September 2018	11:00 – 11:30	15:30 – 16:00

Directions

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. 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.

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 Charité-Campus Mitte. 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.

General conditions & programme changes

The general conditions can be found on the congress website at www.ieb2018.com. The organizers cannot assume liability for any changes in the congress programme due to external or unforeseen circumstances.

Insurance

IEB 2018 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.

Language

The official language of the 55th Inner Ear Biology Workshop is English.

Lunch breaks

Light lunches will be served for registered participants from 12:30 until 14:00 from Thursday, 6 September through Saturday, 8 September 2018. The catering station is located in the main foyer of the CrossOver Research Building.

Name badges

Participants are kindly requested to wear their name badge at all times during the congress. The colours of the name badges have the following significance:

Blue	Participant IEB 2018
Yellow	Participant Tinnitus Symposium
Red	Staff
Green	Exhibitor

Media Center

Kindly hand in your presentation at the Media Center in Room 2, which is located on the first floor in the building across from the CrossOver Research Building at Charité Campus Mitte. Please make sure to provide your presentation at least one hour before your session starts. On-site technical staff will offer support. For time and technical reasons, we kindly ask the speakers not to use their own notebook. In the Media Center there are several PC working stations, where speakers can also work on their presentation charts in a quiet area.

Lecturing time

Keynote Lecture speakers have 20 minutes for their presentation plus 5 minutes for discussion / questions. Oral Presentation speakers have 10 minutes for their presentation plus 5 minutes for discussion / questions. Please note that your presentation will be automatically switched off once your presentation time has expired. Therefore, we kindly ask you to stay within the allowed time frame.

Mobile devices

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

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 300,00
Student Fee*	EUR 170,00
Practical Workshop Fee	EUR 50,00
Day Ticket "20 th Tinnitus Symposium" (only valid on 8 September 2018)	EUR 150,00

* Please present the student ID upon registration at the counter.

Registration fee includes:

- Admission to all scientific sessions
- Final printed programme
- Admission to the poster exhibition and technical exhibition
- Light lunch and coffee breaks
- Certificate of attendance

Parking

For parking near the Charité Campus Mitte, you may use the public parking garage at Luisenstr. 50 / 51. The garage is open 24 hours and has the following rates:

45 min	EUR 2,50
A 24-hour ticket:	EUR 20,00

Poster exhibition

The poster exhibition will be located in the main foyer of the CrossOver Research Building at Charité Campus Mitte.

Opening hours

Thursday, 6 September 2018	08:00-18:00
Friday, 7 September 2018	08:00-18:00
Saturday, 8 September 2018	08:00-16:00

Authors in Poster Session P-01 to P-06 have the opportunity to present their poster(s) to interested congress participants on:

Thursday, 6 September 2018	11:00 – 11:30 (coffee break)
	12:30 – 14:00 (lunch break)
	16:00 – 16:30 (coffee break)

Friday, 7 September 2018 11:00 – 11:30 (coffee break)

Please put up your poster starting at 08:00 on Thursday, 6 September 2018, and take it down Friday, 7 September 2018, at 12:00. Posters that have not been removed by 12:15 will be disposed off.

Authors in Poster Session P-07 to P-11 have the opportunity to present their poster(s) to interested congress participants on:

Friday, 7 September 2018	12:30 – 14:00 (lunch break)
	16:00 – 16:30 (coffee break)
Saturday, 8 September 2018	11:00 – 11:30 (coffee break)
	12:30 – 14:00 (lunch break)

Please put up your poster starting at 12:30 on Friday, 7 September 2018, and take it down Saturday, 8 September 2018, at 16:00. Posters that have not been removed by 16:00 will be disposed off.

The Scientific Committee will award poster prizes sponsored by Sensorion for "Best Poster in Basic Research" and "Best Poster in Clinical Translational Research" with EUR 500 each.

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	EUR 7,00
Single Ticket	EUR 2,80
4-Trip Ticket	EUR 9,00

General information

Registration counter

All congress materials are available at the congress registration counter located in the main foyer of the CrossOver Research Building.

Opening hours

Thursday, 6 September 2018 08:00 – 18:00
Friday, 7 September 2018 08:00 – 18:00
Saturday, 8 September 2018 08:00 – 16:00

Taxi

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

Technical exhibition

The technical exhibition is located in the main foyers of the CrossOver Research Building.

Opening hours

Thursday, 6 September 2018 09:00 – 17:00
Friday, 7 September 2018 09:00 – 17:00
Saturday, 8 September 2018 09:00 – 14:00

Venue

The congress location will be the Charité CrossOver (CCO) building and the Lecture Hall “Innere Medizin” in the south wing of the historical buildings of Charité. The modern Charité CrossOver research building represents a crucial link between basic and clinically oriented research. It enables a new level of quality in the translation of research results into clinical application.

Charité Campus Mitte
CrossOver Research Building
Charitéplatz 1 / Virchowweg 6
10117 Berlin, Germany

Formats

The congress programme is sorted chronologically by days (page 14 – 27). For better orientation within the scientific programme all sessions have been colour coded.

B	Special Session	CrossOver Research Building <ul style="list-style-type: none">• Congress Counter• CCO Foyer (technical exhibition, poster exhibition, catering area)• CCO Auditorium Building “Innere Medizin” Sauerbruchweg 2 <ul style="list-style-type: none">• Lecture Hall “Innere Medizin”• Room 1• Room 2 (Media Center)• Room 3• Room 4 ENT Research Laboratories Luisenstr. 7, 4th floor
KN	Keynote Session	
S	Symposium	
OP	Oral Presentation Session	
P	Poster Session	
WS	Workshop	
InS	Industry-sponsored Session	
B-TS	Special Session	
TS	Tinnitus Symposium	

Programme overview

Thursday, 6 September 2018

	Lecture Hall Innere Medizin	CCO Auditorium	Room 1	ENT Research Laboratories	CCO Foyer	
8			08:00 – 09:15 WS-01 CI-Diagnostics		P-01 – P-06 Authors in Poster Session P-01 to P-06 have the opportunity to present their poster(s) to interested congress participants during:	
9						
10	09:30 – 09:45 B-01 09:45 – 10:10 KN-01 Videomicroscopy of the ... 10:10 – 11:00 OP-02 Inner ear development	09:45 – 11:00 OP-01 Ototoxicity I			11:00 – 11:30 (coffee break) 12:30 – 14:00 (lunch break) 16:00 – 16:30 (coffee break)	
11	CCO Foyer Coffee break					
12	11:30 – 12:30 InS-01 Industry-sponsored session by MED-EL Medical Electronics see page 31	11:30 – 13:00 OP-03 Vestibular system		11:30 – 13:30 WS-02 Small animal audiometry – distorted product otoacoustic emissions (DPOAE) and auditory brainstem response (ABR)		
13	CCO Foyer Lunch break					
14	13:30 – 14:00 KN-02 Synaptic sound coding: ... 14:00 – 15:00 OP-05 Technical approaches for functional restauration	13:30 – 15:00 OP-04 Ototoxicity II				
15	15:00 – 12:25 KN-03 Producing and purifying ... 15:25 – 16:00 OP-06 Stem cell	15:00 – 16:00 InS-02 Industry-sponsored session by ISMA AG / terzo-Institut see page 31				
16	CCO Foyer Coffee break					
17	16:30 – 16:55 KN-04 Do you hear the clock ticking? 16:55 – 18:00 OP-08 Circadian rhythms and emotional stress	16:30 – 18:00 OP-07 Auditory processing				
18						
CCO Foyer			Room 2			
08:00 – 18:00 Registration Counter			08:00 – 18:00 Poster Exhibition		08:00 – 17:00 Media Center	
09:00 – 17:00 Technical Exhibition						

After-Work-Party
19:30 – 22:30
Rooftop Terrace at
IDEAL Versicherung

Programme overview

Friday, 7 September 2018

	Lecture Hall Innere Medizin	CCO Auditorium	Room 3	Room 4	ENT Research Laboratories	CCO Foyer
8			08:00–09:15 WS-03 Diagnosis of psychosomatic comorbidities	08:00–09:15 WS-04 Vestibular diagnostics		P-01 – P-06 Authors in Poster Session P-01 to P-06 have the opportunity to present their poster(s) to interested congress participants during:
9						11:00 – 11:30 (coffee break)
10	09:30–10:00 KN-05 Specific synaptopathies ...	09:30–10:30 RT-01 Round Table Discussion: Implementation of basic research into clinical practice				
	10:00–10:30 KN-06 Uncovering the factors ...					
	10:30–11:00 OP-09 Pharmacological ...	10:30–11:00 OP-10 Aging				
11	CCO Foyer Coffee break					
12	11:30–13:00 InS-03 Industry-sponsored session by Dr. Willmar Schwabe GmbH & Co. K see page 31	11:30–14:30 S-01 Advanced therapies for inner ear hearing loss (International Study Group on Innovated Inner Ear Therapies)			11:30–13:30 WS-05 Cochlear immunofluorescence	P-07 – P-11 Authors in Poster Session P-07 to P-11 have the opportunity to present their poster(s) to interested congress participants during:
13			CCO Foyer Lunch break			12:30 – 14:00 (lunch break)
14	14:00–14:30 KN-07 The non-sensory cells in ...					16:00 – 16:30 (coffee break)
	14:30–15:00 KN-08 Mechanism of regeneration ...					
15	15:00–16:00 OP-11 Regeneration and protection	15:00–18:00 Patients' Day: (German only) Causes, diagnosis, and therapy of tinnitus and disorders of the inner ear				
16			CCO Foyer Coffee break			
17	16:30–18:00 S-02 ARO sponsored symposium					
18						
CCO Foyer 08:00 – 18:00 Registration Counter 09:00 – 17:00 Technical Exhibition			Room 2 08:00 – 17:00 Media Center			

Gala Dinner
19:00 – 24:00
Two Buddhas
Restaurant

Programme overview

Saturday, 8 September 2018

	Lecture Hall Innere Medizin	CCO Auditorium	Room 1	Room 3	Room 4	Lecture Hall Kaiserin-Friedrich- Stiftung
8			08:00–09:15 WS-06 Hearing aids	08:00–09:15 WS-07 Tinnitus: diagnosis and treatment	08:00–09:15 WS-08 Cervical spine and hearing impairment	
9						
10	09:30–10:00 KN-09 Biological therapies in the ... 10:00–10:30 KN-10 Model of tinnitus ... 10:30–11:00 OP-13 Tinnitus	09:30–11:00 OP-12 Functional and cellular aspects of the cochlear and vestibular systems			CCO Foyer P-07–P-11 Authors in Poster Session P-07 to P-11 have the opportunity to present their poster(s) to interested congress participants during:	10:00–10:10 B-TS-01 10:10–12:30 TS-01 Symposium
11	CCO Foyer Coffee break				11:00–11:30 (coffee break)	
12	11:30–13:00 InS-04 Industry-sponsored session by Desyncra Operating GmbH see page 31	11:30–13:00 OP-14 Cochlear implantation			12:30–14:00 (lunch break)	
13	CCO Foyer Coffee break					Coffee break
14	14:00–14:30 KN-11 Probing internal noise in ... 14:30–15:00 KN-12 Pharmacological treatment ...	14:00–15:00 OP-15 Clinical aspects of hearing				13:15–15:30 TS-02 Symposium
15	15:00–16:00 B-02 Business Meeting IEB Poster Awards					Coffee break
16						16:00–17:30 TS-03 Symposium
17						
18						17:30–18:15 B-TS-02 After-Work-Party (Foyer EG)
CCO Foyer 08:00–16:00 Registration Counter 09:00–14:00 Technical Exhibition			Room 2 08:00–14:00 Media Center			

Scientific programme

Thursday, 6 September 2018

Moderator of the day: Holger Schulze, Germany

P-01 – P-06

Poster Sessions

Authors in Poster Session P-01 to P-06 have the opportunity to present their poster(s) to interested congress participants during:

11:00 – 11:30 (coffee break)

12:30 – 14:00 (lunch break)

16:00 – 16:30 (coffee break)

WS-01

Workshop

08:00 – 09:15 | Seminarraum 1

CI-Diagnostics

Chairs: Stefan Gräbel, Germany

Steffen Knopke, Germany

B-01

Special Session

09:30 – 09:45 | Lecture Hall "Innere Medizin"

Opening Statement (IEB 2018)

Chairs: Birgit Mazurek, Germany

Karl Max Einhüpl, Germany

KN-01

Keynote Session

09:45 – 10:10 | Lecture Hall "Innere Medizin"

Videomicroscopy of the developing inner ear: Contractions of the endolymphatic sac expand scala media of the cochlea

Chair: Holger Schulze, Germany

Speaker: Philine Wangemann, USA

OP-01

Oral Presentation Session

09:45 – 11:00 | CCO Auditorium

Ototoxicity I

Chairs: Suhua Sha, USA

Alessandro Martini, Italy

001 Inhibition of Apoptotic Signal Regulating Kinase 1 (ASK1): A potential strategy for the prevention of acquired hearing loss

Jacqueline Ogier, Australia

Bryony Nayagam, Paul Lockhart, Rachel Burt

002 Telmisartan protects auditory hair cells from in vitro-induced toxicity of gentamicin

Maurizio Cortada, Switzerland

Soledad Levano, Daniel Bodmer

003 Verification of therapeutic and adverse effect of Biogel for in-tratympanic drug delivery

Yu-Jung Hwang, Republic of Korea

Tae-Soo Noh, Moo Kyun Park, Jun Ho Lee, Seung Ha Oh, Myung-Whan Suh

004 Prevention of cisplatin ototoxicity by dexamethasone and nano-ceria in an inner ear cell line

Erica Gentilin, Italy

Mariarita Candito, Edi Simoni, Serena Danti, Alessandro Martini, Laura Astolfi

005 Mechanism of cisplatin-induced ototoxicity: Implication of Sesn2/AMPK pathway

Soledad Levano, Switzerland

Daniel Bodmer

006 Neuronal erythropoietin overexpression is protective against kanamycin induced hearing loss in mice

Arianne Monge Naldi, Switzerland

David Bächinger, Lukas Horvath, Andreas Eckhard, Madeline M. Goosmann, Tim Honegger, Max Gassmann, Johannes Vogel

OP-02

Oral Presentation Session

10:10 – 11:00 | Lecture Hall "Innere Medizin"

Inner ear development

Chairs: Philine Wangemann, USA

Holger Schulze, Germany

001 Role of endocytosis in neurotrophin-mediated neuritogenesis and survival of spiral ganglion neurons

Allen F. Ryan, USA

Shannon Dolittle

002 Gi proteins are indispensable for hearing

Lukas Rüttiger, Germany

Sandra Beer-Hammer, Sze Chim Lee, Stephanie A. Mauriac, Veronika Leiss, Isabel A.M. Groh, Ana Novakovic, Roland P. Piekorz, Kirsten Bucher, Chengfang Chen, Kun Ni, Wibke Singer, Csaba Harasztosi, Thomas Schimmang, Ulrike Zimmermann, Klaus Pfeffer, Lutz Birnbaumer, Andrew Forge, Mireille Montcouquiol, Marlies Knipper, Bernd Nürnberg

003 A role for Gai and planar polarity in the position-dependent regulation of synapse properties in inner hair cells

Philippe Jean, Germany

Basile Tarchini, Tobias Moser

Scientific programme

Thursday, 6 September 2018

OP-03 Oral Presentation Session

11:30 – 13:00 | CCO Auditorium

Vestibular system

*Chairs: Jose Antonio Lopez Escamez, Spain
Sung Huhn Kim, Republic of Korea*

001 Quantitative assessment of the tail-lift reflex to measure vestibular dysfunction in rats

Jordi Llorens, Spain

Pere Boadas-Vaello, Erin A. Greguske, Anna Bellmunt, Vanessa Martins-Lopes, Alberto Maroto

002 Pro-inflammatory cytokines and gene expression profile in peripheral blood mononuclear cells in patients with Vestibular Migraine and Meniere's Disease

Marisa Flook Pereira, Spain

Lidia Frejo, Álvaro Gallego Martinez, Eduardo Martin Sanz, Andres Soto Varela, Sofia Santos Perez, Juan M. Espinosa Sanchez, Angel Batuecas Caletrio, Ismael Aran, Jesus Fraile, Marcos Rossi Izquierdo, Teresa Requena, Jose Antonio Lopez Escamez

003 Enrichment of rare missense variants in sensorineural hearing loss genes in the genome of patients with sporadic Meniere disease

Jose Antonio Lopez Escamez, Spain

Álvaro Gallego Martinez, Teresa Requena, Dheeraj Bobbili, Patrick May, Joaquin Dopazo

004 Supra-gravity stimulation deteriorates vestibular function in the mouse with selective P2RX2 deficit

Sung Huhn Kim, Republic of Korea

Sung Hoon Bae, Hansol Hong, Gyu Cheol Han, Michelle J Suh

005 Quantitative 3D volume measurement of endolymphatic hydrops has a good correlation with the severity and history of vertigo in Meniere's Disease

Tae-Soo Noh, Republic of Korea

In Chan Song, Jeong-Sug Kyong, Moo Kyun Park, Jun Ho Lee, Seung Ha Oh, Myung-Whan Suh

WS-02 Workshop

11:30 – 13:30 | ENT Research Laboratories

Small animal audiometry - distorted product otoacoustic emissions (DPOAE) and auditory brainstem response (ABR)

Chair: Uta Reich, Germany

KN-02 Keynote Session

13:30 – 14:00 | Lecture Hall "Innere Medizin"

Synaptic sound coding: from molecular physiology to functional restoration

*Chair: Holger Schulze, Germany
Speaker: Tobias Moser, Germany*

OP-04 Oral Presentation Session

13:30 – 15:00 | CCO Auditorium

Ototoxicity II

*Chairs: Srdjan Vlajkovic, New Zealand
Jochen Schacht, USA*

001 Regulators of G protein signalling as novel targets for the treatment of sensorineural hearing loss

Srdjan Vlajkovic, New Zealand

Christine Fok, Milan Bogosanovich, Peter Thorne

002 Activation of cAMP in cochlear supporting cells indirectly prevents hair cell survival via gap junctional intercellular communication

Yun-Hoon Chung, Republic of Korea

Yeon-Ju Kim, Oak-Sung Choo, Young-Sun Kim, Yun-Yeong Lee, Jeong-Hun Jang

003 Epigenetic modification of histones in acquired hearing loss

Suhua Sha, USA

Hao Xiong, Haishan Long, Song Pan, Yuanping Zhu, Jochen Schacht

004 Sodium Thiosulfate as otoprotectant to reduce Cisplatin induced hearing loss in children with liver cancer

Kaukab Rajput, United Kingdom

005 Somatostatin analog - Pasireotide: A novel treatment for the protection of cochlear hair cells In Vivo

Krystsina Kucharava, Switzerland

Marijana Sekulic-Jablanovic, Lukas Horvath, Daniel Bodmer, Vesna Petkovic

006 AP-001/NPD1 pleiotropic actions on multiple targets confer protection from cisplatin-induced hearing loss

Per Gjorstrup, USA

Debashree Mukherjee, Asmita Dhukhwa, Sumana Ghosh, Kelly Sheehan, Vickram Ramkumar

Scientific programme

Thursday, 6 September 2018

OP-05 Oral Presentation Session

14:00 – 15:00 | Lecture Hall “Innere Medizin”

Technical approaches for functional restauration

Chairs: Peter Santi, USA

Saaïd Safieddine, France

001 Manipulation of hearing loss by optogenetic approach to nonexcitable nonglial cells in the inner ear

Mitsuo Sato, Japan

Fumiaki Nin, Masatsugu Masuda, Takahisa Watabe, Kaoru Ogawa, Katsumi Doi, Kenji Tanaka, Hiroshi Hibino

002 Implantation of a piezoelectric device into guinea pig cochlea damaged by aminoglycoside

Takayuki Nakagawa, Japan

Koji Nishimura, Hideaki Ogita, Norio Yamamoto, Juichi Ito, Koichi Omori

003 Viral transfer of mini-otoferlins restores the fast component of exocytosis and uncovers ultrafast endocytosis in auditory hair cells of otoferlin knock-out mice

Didier Dulon, France

Yohan Bouleau, Séverin Belleudy, Alice Emptoz, Christine Petit, Saaïd Safieddine

KN-03 Keynote Session

15:00 – 15:25 | Lecture Hall “Innere Medizin”

Producing and purifying otic progenitors from human pluripotent stem cells: addressing the challenges for their clinical application

Chair: Holger Schulze, Germany

Speaker: Marcelo Rivolta, United Kingdom

OP-06 Oral Presentation Session

15:25 – 16:00 | Lecture Hall “Innere Medizin”

Stem cell

Chairs: Marcelo Rivolta, United Kingdom

Allen F. Ryan, USA

001 Magnetic stem cell targeting to the inner ear

Louise Straatman, The Netherlands

Trung Le, Anat Yanai, Ronak Rahmanian, Cathie Garnis, Urs Hafeli, Brian Westerberg, Kevin Gregory-Evans

002 Defining the immunological properties of hESC-derived otic neural progenitors in the context of the gerbil auditory neuropathy model

Leila Abbas, United Kingdom

Weilin Wu, Nadhirah Baharin, Sameer Mallick, Marcelo N. Rivolta

003 Isolation, characterization and comparison of stem/progenitor cells in the human postmortem adult inner ear

Hasan Avci, Germany

Aurélie Dos Santos, Megan Ealy, Mohamed Bassiouni, Marcus Mueller, Andreas Wagner, Bernhard Hirt, Stefan Heller, Hubert Loewenheim

KN-04 Keynote Session

16:30 – 16:55 | Lecture Hall “Innere Medizin”

Do you hear the clock ticking?

Chair: Holger Schulze, Germany

Speaker: Barbara Canlon, Sweden

OP-07 Oral Presentation Session

16:30 – 18:00 | CCO Auditorium

Auditory processing

Chairs: Moritz Gröschel, Germany

Jian Wang, Canada

001 Acute noise injury-associated intrinsic apoptosis in the central auditory pathway

Moritz Gröschel, Germany

Dietmar Basta, Arne Ernst, Birgit Mazurek, Agnieszka J. Szczepek

002 Noise-induced cochlear synaptopathy and signal processing disorders

Jian Wang, Canada

Hengchao Chen

003 Influence of peripheral BDNF on maturation of the central auditory pathway

Marie Manthey, Germany

Philipp Eckert, Dario Campanelli, Wibke Singer, Lukas Rüttiger, Marlies Knipper

004 GC-B deficient mice with axon bifurcation loss show compromised precision of auditory processing

Dorit Möhrle, Germany

Steffen Wolter, Hannes Schmidt, Sylvia Pfeiffer, Dennis Zelle, Philipp Eckert, Michael Krämer, Robert Feil, Peter Pilz, Marlies Knipper, Lukas Rüttiger

005 How to deal with environmental stressors? A role for the cochlear non-sensory cells

Anni Herranen, Finland

Kuu Ikäheimo, Ulla Pirvola

006 Cochlear deafferentation induced by noise exposure causes structural plasticity changes in the auditory cortex

Anna Rita Fetoni, Italy

Fabiola Paciello, Maria Vittoria Podda, Rolando Rolesi, Sara Cocco, Diana Troiani, Claudio Grassi, Gaetano Paludetti

Scientific programme

Thursday, 6 September 2018

OP-08 Oral Presentation Session

16:55 – 18:00 | Lecture Hall "Innere Medizin"

Circadian rhythms and emotional stress

Chairs: Barbara Canlon, Sweden

Birgit Mazurek, Germany

001 Association between stress and tinnitus in a dual stress rat model

Jung Mee Park, Republic of Korea

Min Jung Kim, Hyo Jeong Yu

002 Visualizing transcript-specific BDNF expression during sound-induced memory linked plasticity changes

Philipp Eckert, Germany

Lucas Matt, Rama Panford-Walsh, Hyun-Soon Geisler, Anne Bausch, Marie

Manthey, Nicolas Müller, Csaba Harasztosi, Karin Rohbock, Peter Ruth,

Eckhard Friauf, Thomas Ott, Ulrike Zimmermann, Lukas Rüttiger, Thomas

Schimmang, Marlies Knipper, Wibke Singer

003 Circadian vulnerability to cisplatin in GLAST deficient mice

Evangelia Tserga, Sweden

Rocio Paublete, Barbara Canlon, Christopher R. Cederroth

004 Circadian regulation of sensitivity to noise trauma in different mouse strains

Jacopo Maria Fontana, Sweden

Christopher R. Cederroth, Barbara Canlon

After-Work-Party

19:30 – 22:30 | Rooftop Terrace at IDEAL Versicherung

(see page 32)

Friday, 7 September 2018

Moderator of the day: Marlies Knipper, Germany

P-01 – P-06 Poster Sessions

Authors in Poster Session P-01 to P-06 have the opportunity to present their poster(s) to interested congress participants during: 11:00 – 11:30 (coffee break)

P-07 – P-11 Poster Sessions

Authors in Poster Session P-07 to P-11 have the opportunity to present their poster(s) to interested congress participants during: 12:30 – 14:00 (lunch break) 16:00 – 16:30 (coffee break)

WS-03 Workshop

08:00 – 09:15 | Seminarraum 3

Diagnosis of psychosomatic comorbidities

Chairs: Nina Zirke, Germany

Benjamin Böcking, Germany

WS-04 Workshop

08:00 – 09:15 | Seminarraum 4

Vestibular diagnostics

Chair: Alec Lapira, Malta

KN-05 Keynote Session

09:30 – 10:00 | Lecture Hall "Innere Medizin"

Specific synaptopathies diversify brain responses and hearing disorders

Chair: Jochen Schacht, USA

Speaker: Marlies Knipper, Germany

Co-Authors: Benedikt Hofmeier, Lukas Rüttiger, Stephan Wolpert, Ebrahim Saad Aldamer, Moritz Walter, Uwe Klose

RT-01 Special Session

09:30 – 10:30 | CCO Auditorium

Round Table Discussion: Implementation of basic research into clinical practice

Moderator: Stefan Dazert, Germany

Discussants: Joseph Santos-Sacchi, USA

Hinrich Staecker, USA

Birgit Mazurek, Germany

Heidi Olze, Germany

001 Bedside tales from the bench: The dilemma of the basic scientist

Joseph Santos-Sacchi, USA

Scientific programme

Friday, 7 September 2018

002 Changing clinical culture to focus on academic medicine

Hinrich Staecker, USA

003 Relations between stress and tinnitus

Birgit Mazurek, Germany

004 Cognition and CI

Heidi Olze, Germany

KN-06 Keynote Session

10:00 – 10:30 | Lecture Hall "Innere Medizin"

Uncovering the factors involved in the progression of hearing loss associated with aging: IGF-1 and beyond

Chair: Marlies Knipper, Germany

Speaker: Isabel Varela Nieto, Spain

OP-09 Oral Presentation Session

10:30 – 11:00 | Lecture Hall "Innere Medizin"

Pharmacological interventions: IGF

Chairs: Isabel Varela Nieto, Spain

Takayuki Nakagawa, Japan

001 Hearing preservation at low frequencies by insulin-like growth factor 1 in a guinea pig model of cochlear implantation

Norio Yamamoto, Japan

Kohei Yamahara, Koji Nishimura, Hideaki Ogita, Juichi Ito, Takayuki Nakagawa, Ichiro Furuta, Tomoko Kita, Koichi Omori

002 Topical IGF-1 treatment against age-related hearing loss in mice

Desislava Skerleva, Japan

Fukuichiro Iguchi, Tatsuya Katsuno, Tomoko Kita, Hiroe Ohnishi, Norio Yamamoto, Juichi Ito, Koichi Omori, Takayuki Nakagawa

OP-10 Oral Presentation Session

10:30 – 11:00 | CCO Auditorium

Aging

Chairs: Stefan Dazert, Germany

Hinrich Staecker, USA

001 Cochlear implantation changes neurocognition in elderly patients

Stefan Dazert, Germany

Jan Peter Thomas, Christiane Völter

002 Loss of function mutation in the NADPH oxidase subunit p22phox prevents early onset hearing loss

Francis Rousset, Switzerland

Marta Coelho, German Nacher-Soler, Antoine Marteyn, Vivianne Kokje, Karl Heinz Krause, Pascal Senn

S-01 Symposium

11:30 – 14:30 | CCO Auditorium

Advanced therapies for inner ear hearing loss (International Study Group on Innovated Inner Ear Therapies)

Chair: Thomas Lenarz, Germany

001 Developing gene therapy for TMRSS3-related hearing loss

Hinrich Staecker, USA

002 New vectorization approaches for inner ear gene therapy

Axel Schambach, Germany

003 Optimizing AAV vectors for inner ear gene therapy

Hildegard Büning, Germany

004 The International Society for Inner Ear Therapies: How can it move the field forward?

Anne Schilder, United Kingdom

005 Manufacturing of cell-based therapies for Inner ear

Ulrike Köhl, Germany

006 Immunological aspects

Christine Falk, Germany

007 Cell-based inner ear therapy

Athanasia Warnecke, Germany

WS-05 Workshop

11:30 – 13:30 | ENT Research Laboratories

Cochlear immunofluorescence

Chair: Agnieszka J. Szczepek, Germany

KN-07 Keynote Session

14:00 – 14:30 | Lecture Hall "Innere Medizin"

The non-sensory cells in auditory periphery

Chair: Marlies Knipper, Germany

Speaker: Agnieszka J. Szczepek, Germany

KN-08 Keynote Session

14:30 – 15:00 | Lecture Hall "Innere Medizin"

Mechanism of regeneration in the inner ear: new aspects

Chair: Hinrich Staecker, USA

Speaker: Hubert Löwenheim, Germany

Scientific programme

Friday, 7 September 2018

OP-11 Oral Presentation Session

15:00 – 16:00 | Lecture Hall “Innere Medizin”

Regeneration and protection

*Chairs: Hubert Löwenheim, Germany
Huib Versnel, The Netherlands*

001 Development of OTO-413 an intratympanic sustained-exposure formulation of the neurotrophic factor BDNF for the treatment of cochlear synaptopathy

Fabrice Piu, USA

002 Responsiveness of the auditory nerve compared between BDNF and NT-3 treatment

*Huib Versnel, The Netherlands
Henk Vink, Dyan Ramekers*

003 Analysis of neurotrophin signaling in the human inner ear using miRNA profiling

*Hinrich Staecker, USA
Matt Shew, Samir Alvi*

004 Topical administration of a gamma-secretase inhibitor LY411575 into the round window niche ameliorates permanent threshold shift in a noise-induced hearing loss model of a non-human primate, the common marmoset

*Masato Fujioka, Japan
Tomohiko Yoshida, Sho Kurihara, Makoto Koizumi, Makoto Hosoya,
Hirotaka James Okano, Hiromi Kojima, Kunio Mizutari, Kaoru Ogawa,
Albert Edge*

S-02 Symposium

16:30 – 18:00 | Lecture Hall “Innere Medizin”

ARO sponsored symposium

*Chair: Hannes Maier, Germany
Isabel Varela Nieto, Spain*

001 Fast outer hair cell voltage-dependent motility is slow!

Joseph Santos-Sacchi, USA

002 Lateral efferent modulation of auditory nerve fiber activity

Elisabeth B. Glowatzki, USA

003 Inner ear mitochondria characterized by EM tomography into distinct subpopulations

*Anna Lysakowski, USA
Joseph Lesus, Kevin Arias, Vidya Babu, Sofia Sobkiv, Meet Patel, Francisco Padron, Jacob Kulaga, Anuj Kambalyal, Peymaun Mozafari, Laila Ghatala, Ashik Jayakumar, Rose Bahari, Bhoomi Desai, Nora Laban, Steven D. Price, Mark Ellisman, Guy Perkins*

Gala Dinner

19:00 – 24:00 | Two Buddhas Restaurant
(see page 32)

Poster exhibition

Please visit the poster exhibition located in the Charité CrossOver Foyer.

Opening hours

Thursday, 6 September 2018	08:00 – 18:00
Friday, 7 September 2018	08:00 – 18:00
Saturday, 8 September 2018	08:00 – 16:00

For more information, please see page 9.

Scientific programme

Saturday, 8 September 2018

Moderator of the day: Eberhard Biesinger, Germany

P-07 – P-11 Poster Sessions

Authors in Poster Session P-07 to P-11 have the opportunity to present their poster(s) to interested congress participants during:

11:00 – 11:30 (coffee break)
12:30 – 14:00 (lunch break)

WS-06 Workshop

08:00 – 09:15 | Seminarraum 1
Hearing aids
Chair: Martin Kinkel, Germany

WS-07 Workshop

08:00 – 09:15 | Seminarraum 3
Tinnitus: diagnosis and treatment
*Chairs: Nina Zirke, Germany
Benjamin Böcking, Germany*

WS-08 Workshop

08:00 – 09:15 | Seminarraum 4
Cervical spine and hearing impairment
Chair: Eberhard Biesinger, Germany

KN-09 Keynote Session

09:30 – 10:00 | Lecture Hall "Innere Medizin"
Biological therapies in the hearing system
*Chair: Eberhard Biesinger, Germany
Speaker: Thomas Lenarz, Germany*

OP-12 Oral Presentation Session

09:30 – 11:00 | CCO Auditorium
Functional and cellular aspects of the cochlear and vestibular systems
*Chairs: Csaba Harasztosi, Germany
Sergio Masetto, Italy*

001 Outer hair cell motility can suppress organ of Corti vibrations
Jong-Hoon Nam, USA

002 Endocytic activity and vesicle traffic in outer hair cells
*Csaba Harasztosi, Germany
Entcho Klenske, Anthony W. Gummer*

003 Cellular senescence contributes to morphogenesis and differentiation during the early development of the chicken inner ear: implication of transforming growth factor beta 2

Marta Magarinos, Spain

Alejandro Gibaja, María Rodríguez Aburto, Sara Pulido, Isabel Varela Nieto

004 Intensity approach provides a new tool to detect distortion product otoacoustic emissions with ear canal calibration

Filippo Sanjust, Italy

Arturo Moleti, Luigi Cerini, Renata Sisto

005 Imaging of the Cochlea with light-sheet microscopy

Peter Santi, USA

Kerstin John

006 Non conventional signal transmission at the mouse vestibular Type I hair cell - calyx synapse

Sergio Masetto, Italy

Paolo Spaiardi, Elisa Tavazzani, Marco Manca, Giancarlo Russo, Ivo Prigioni

007 Choroid plexus association to the auditory system: observations in a clarified brainstem-inner ear preparation

Paola Perin, Italy

Marta Ceccarini, Alessandra Centineo, Roberto Pizzala

KN-10 Keynote Session

10:00 – 10:30 | Lecture Hall "Innere Medizin"
Model of tinnitus development - from cochlear to cortex
*Chair: Eberhard Biesinger, Germany
Speaker: Holger Schulze, Germany*

OP-13 Oral Presentation Session

10:30 – 11:00 | Lecture Hall "Innere Medizin"
Tinnitus
*Chairs: Marlies Knipper, Germany
Pim van Dijk, The Netherlands*

001 Reduced sound-evoked and resting-state BOLD fMRI connectivity in tinnitus

Benedikt Hofmeier, Germany

Stephan Wolpert, Ebrahim Saad Aldamer, Moritz Walter, John Thiericke, Christoph Braun, Dennis Zelle, Lukas Rüttiger, Uwe Klose, Marlies Knipper

002 Psychiatric comorbidity in patients with tinnitus or auditory hallucination

Kensuke Kiyomizu, Japan

Keiji Matsuda, Koji Tonihara, Hideki Funahashi, Yasushi Ishida, Tetsuya Tono

Scientific programme

Saturday, 8 September 2018

OP-14 Oral Presentation Session

11:30 – 13:00 | CCO Auditorium

Cochlear implantation

*Chairs: Dietmar Basta, Germany
Nicole Peter-Siegrist, Switzerland*

001 Development of novel electrical stimulation device for tinnitus suppression via inner ear - a technical study

Uta Reich, Germany

Agnieszka J. Szczepek, Stefan Gräbel, Florian Uecker, Heidi Olze

002 Reduced hair cell loss after cochlear implantation following pre-treatment by near-infrared-light

Dietmar Basta, Germany

Ira Strübing, Dan Jiang, Patrick Boyle, Moritz Gröschel, Arne Ernst

003 Dose-dependent reduction of impedances after steroid application via a cochlear catheter in human cochlear implantation

Athanasia Warnecke, Germany

Lutz Gärtner, Rolf Salcher, Thomas Lenarz, Nils Prenzler

004 In vivo-analysis of the cochlear lateral wall for hearing preserving cochlear implantations

Sebastian Strieth, Germany

B. P. Ernst, T. Rader, C. Matthias, R. H. Stauber

005 Cochlear-implantation in single sided deafness: influence of the laterality on audiological and clinical results

Nicole Peter-Siegrist, Switzerland

006 Dexamethasone-eluting cochlear implant electrodes in combination with glucocorticoid-loaded hydrogels: effects on hearing preservation and impedances

Navid Ahmadi, Austria

Julia Clara Gausterer, Clemens Honeder, Franz Gabor, Nodir Saidov, Chengjing Zhu, Christoph Arnoldner

KN-11 Keynote Session

14:00 – 14:30 | Lecture Hall "Innere Medizin"

Probing internal noise in the cochlear via spontaneous otoacoustic emissions

Chair: Eberhard Biesinger, Germany

Speaker: Pim van Dijk, The Netherlands

OP-15 Oral Presentation Session

14:00 – 15:00 | CCO Auditorium

Clinical aspects of hearing

*Chairs: Athanasia Warnecke, Germany
Arneborg Ernst, Germany*

001 Are there detectable changes in the circulating microRNAs profile of sudden sensorineural sufferers?

Desmond Nunez, Canada

Printha Wijesinghe, Cathie Garnis

002 Types of hearing loss analysis among patients examined at the Hearing Centre in Ivano-Frankivsk, Ukraine

Myroslava Pylypiuk, Ukraine

Roman Fishchuk, Ostap Orishchak

003 Investigations on the genetic background of nonsyndromic hereditary hearing loss in Hungarian patients

Attila Nagy, Hungary

Dóra Török, Katalin Farkas, Márta Széll, László Rovó, József Géza Kiss

004 Impact of otitis media with effusion on the vestibular system in children

Sylvia Schwartz, Poland

Izabela Szlczak, Kornela Partycka-Pietrzyk, Grazyna Mielnik-Niedzielska

005 Expression of connexins and Kir2.1 ion channel proteins altered in hearing loss patients before cochlear implantation

Viktoria Szuts, Hungary

Attila Nagy, Janos Jarabin, Andras Kovacs, Katalin Farkas, Peter Deak, Csaba Vagvolgyi, Piroska Fazekas, László Rovó, Márta Széll, József Géza Kiss

006 On the relationship between tinnitus, hearing loss, and impaired speech perception

Martin Meyer, Switzerland

KN-12 Keynote Session

14:30 – 15:00 | Lecture Hall "Innere Medizin"

Pharmacological treatment of the in the inner ear: influence of molecular properties and delivery paradigms on pharmacokinetics

Chair: Eberhard Biesinger, Germany

Speaker: Stefan Plontke, Germany

Co-Author: Alec N. Salt

B-02 Special Session

15:00 – 16:00 | Lecture Hall "Innere Medizin"

Business Meeting IEB

Chair: Hannes Maier, Germany

Isabel Varela Nieto, Spain

20th Tinnitus Symposium

Saturday, 8 September 2018

The annual German Tinnitus Symposium invites all participants for its 20th anniversary on Saturday, 8 September 2018, as an event parallel to the IEB 2018. The Tinnitus Symposium brings together German and international clinicians and researchers. Key topics include the latest findings regarding tinnitus research and the clinical practice. We trust that the parallel IEB 2018 and the annual German Tinnitus Symposium will enable clinical and scientific exchange between the participants of both events and create fruitful collaborations between the inner ear researchers and tinnitus specialists.

B-TS-01 Special Session

10:00 – 10:10 | KFS Auditorium

Opening Statement

Chairs: Birgit Mazurek, Germany
Detlev Ganten, Germany

TS-01 Symposium

10:10 – 12:30 | KFS Auditorium

Symposium 1

Moderator: Birgit Mazurek, Germany

001 The mechanisms of tinnitus

Arnaud Norena, France

002 Plasticity in cortical oscillations

Andrej Kral, Germany

003 Inductions of neuroplasticity in tinnitus patients following therapeutic interventions

Berthold Langguth, Germany

004 Evidence in tinnitus therapy - chances and limitations

Birgit Mazurek, Germany

TS-02 Symposium

13:15 – 15:30 | KFS Auditorium

Symposium 2

Moderator: Birgit Mazurek, Germany

001 The neuropsychology of cognition and the aging brain

Jessica Fish, United Kingdom

002 Hearing and Mind: What should we do about hearing loss to promote cognitive well-being in older age?

Piers Dawes, United Kingdom

003 Neurobiological stress-systems and major depressive disorder

Christian Otte, Germany

004 Influence of cochlear implants on tinnitus

Heidi Olze, Germany

TS-03 Symposium

16:00 – 17:30 | KFS Auditorium

Symposium 3

Moderator: Birgit Mazurek, Germany

001 Hidden hearing loss following moderate noise exposure?

Gerhard Hesse, Germany

002 Pharmacological intervention in the field of ototoxicity

Göran Laurell, Sweden

003 Vestibular migraine diagnosis: intervention and prevention

Alec Lapira, Malta

B-TS-02 Special Session

17:30 – 18:15 | Kaiserin-Friedrich-Haus (Foyer EG)

After-Work-Party

Venue

Kaiserin-Friedrich-Stiftung
(near Charité Campus Mitte)
Robert-Koch-Platz 7
10115 Berlin, Germany



© Kaiserin-Friedrich-Stiftung



Poster exhibition

Thursday, 6 September 2018

P-01 Poster Session

13:00 – 14:00 | Charité CrossOver Foyer

Aging

001 Prevention of age-related hearing loss by transfer of CD4-positive T-cells deleting IL-1 receptor type 2-positive T-cells and regulatory T-cells

Hiroshi Iwai, Japan

Muneo Inaba, Dan Bui Van, Yasuki Yun, Yoshiki Kobayashi, Akira Kanda, Shunsuke Sawada, Takuo Fujisawa, Masao Yagi

002 Evaluation of the role of NRF2 in the progression of age-related and noise-induced hearing losses

Yohei Honkura, Japan

Tetsuya Ohishi, Ryokichi Ikeda, Daisuke Yamauchi, Tetsuaki Kawase, Yukio Katori

003 Modulation of autophagy by miR-34a/ATG9A/TFEB pathway in cochlear hair cell death and age-related hearing loss

Jiaqi Pang, People's Republic of China

Hao Xiong, QiuHong Huang, Yiqing Zheng

P-02 Poster Session

13:00 – 14:00 | Charité CrossOver Foyer

Clinical aspects of hearing and vestibular system

001 Pharmacological treatments for hearing loss: From discovery to clinical application

Anne Schilder, United Kingdom

Matthew Topping, Shakeel Saeed, Helen Blackshaw

002 Comparison of two different treatment protocols of systemic, intratympanic steroid and hyperbaric oxygen therapy in patients with severe to profound idiopathic sudden sensorineural hearing loss: A randomized controlled trial

Suk-Hwan Lee, Republic of Korea

Il-Young Cho, Soo-Kwon Kong, Sung-Won Choi, Min-Sik Kim, Han-Seul Na, Se-Joon Oh

003 Osteoporosis and hearing loss in older Koreans: findings from the Korea National Health and Nutrition Examination Survey (KNHANES) 2009-2011

Jin Hyun Seo, Republic of Korea

Hyun Woo Park, Jun-Il Yoo, Ki Soo Park

004 Reverse bithermal caloric test

Jin Hyun Seo, Republic of Korea

Hyun Woo Park, Seong Ki Ahn, Hyun Jin Lee, Byeong Min Lee

005 Bony cochlear nerve canal stenosis in pediatric unilateral sensory neural hearing loss

Hyun Jin Lee, Republic of Korea

Chae-Hyun Lim

006 Disease-specific analysis of human perilymph by mass spectrometry

Heike Schmitt, Germany

Andreas Pich, Nils Prenzler, Thomas Lenarz, Martin Durisin, Athanasia Warnecke

P-03 Poster Session

13:00 – 14:00 | Charité CrossOver Foyer

Inner ear development

001 Exocyst complex member Exoc5 is required for survival of hair cells and spiral ganglion neurons and maintenance of hearing

Byeonghyeon Lee, Republic of Korea

Jeong-In Baek, Eun-Ji Park, Un-Kyung Kim

002 Spontaneous and coordinated calcium activity of cochlear sensory and non-sensory cells drives the maturation of outer hair cell afferent innervation

Federico Ceriani, United Kingdom

Aenea Hendry, Jing-Yi Jeng, Stuart L. Johnson, Jennifer Olt, Matthew

Holley, Fabio Mammano, Corné Kros, Dwayne Simmons, Walter Marcotti

P-04 Poster Session

13:00 – 14:00 | Charité CrossOver Foyer

Ototoxicity and protection

001 Protective and alleviative effects of alpha-lipoic acid on ototoxicity caused by Cisplatin

Ye-Ri Kim, Republic of Korea

Kyu-Yup Lee

002 Inhibition of Apoptotic Signal Regulating Kinase 1 (ASK1). A potential strategy for the prevention of acquired hearing loss

Jacqueline Ogier, Australia

Bryony Nayagam, Paul Lockhart, Rachel Burt

003 Combined BDNF and NT-3 treatment of the auditory nerve in deafened guinea pigs

Henk Vink, The Netherlands

Dyan Ramekers, Rochelle Matula, Hans G.X.M. Thomeer, Huib Versnel

004 Statin use for hearing preservation in diabetic mice

Yun-Hoon Choung, Republic of Korea

Oak-Sung Choo, Yun-Yeong Lee, Mi-Jin Choi, Yeon-Ju Kim

Poster exhibition

Thursday, 6 September 2018

005 G6PD overexpression protects from oxidative stress and ameliorates ARHL progression

Jose María Bermudez Muñoz, Spain

Adelaida M. Celaya, Sara Hijazo Pechero, Manuel Serrano, Isabel Varela Nieto

006 Alginate as carrier for BDNF-producing MSCs: protection and neurite guidance of auditory neurons in vitro

Jana Schwieger, Germany

Andrea Hoffmann, Theodor Doll, Thomas Lenarz, Verena Scheper

007 C3 exoenzyme enhanced the survival of spiral ganglion neurons by Rho GTPase and p38

Jennifer Schulze, Germany

Laura Heinklele, Melanie Steffens, Athanasia Warnecke, Thomas Lenarz, Ingo Just, Astrid Rohrbeck

008 Effect of dexamethasone on the expression of cochlear glucocorticoid receptor and serum corticosterone level in noise induced hearing loss: A comparison of administration time

Ah-Ra Lyu, Republic of Korea

Sunae Shin, Yong-Ho Park

009 Effects of dexamethasone on intracochlear inflammation and residual hearing after cochleostomy: A comparison of administration routes

Sunae Shin, Republic of Korea

Ah-Ra Lyu, Yong-Ho Park

010 Comparative characterization of cisplatin-induced ototoxic lesion in vestibular and cochlear neuron primary cultures using multiwell, live-cell imaging

Jonas Dyhrfeld-Johnsen, France

Fabien Loustalot, Mickaël Deage, Montserrat Bosch Grau

011 Live cell imaging of gentamicin induced ototoxicity in organ of corti explant cultures as a High Content Screening assay

Jonas Dyhrfeld-Johnsen, France

Audrey Broussy, Montserrat Bosch Grau

012 Aminoglycoside-induced auditory hair cell loss ameliorated by a combined approach of NFAT inhibition and antioxidative protection

Marijana Sekulic-Jablanovic, Switzerland

Vesna Petkovic, Krystsina Kucharava, Daniel Bodmer

013 Optimized phospholipid-based nanoparticles for inner ear drug delivery and therapy

Dong-Kee Kim, Republic of Korea

Keum-Jin Yang, So Young Jung, Heebeom Koo, Jin-Bu Ha

014 Matrix removal of labyrinthine fistulae by non-suction technique with intraoperative dexamethasone injection

Chul Ho Jang, Republic of Korea

Jong Min Park

015 Mitochondrial fission contributes to oxidative stress-induced mitophagy in HEI-OC1 cells

Hanqing Lin, People's Republic of China

Zhongwu Su, Hao Xiong, Yiqing Zheng

016 Biocompatibility and therapeutic effect of three different intra-tympanic drug-delivery vehicles in acute acoustic trauma

Mina Park, Republic of Korea

Myung-Whan Suh, Yu-Jung Hwang

017 Cisplatin ototoxicity and nephrotoxicity in an in vivo rat model: experimental protocols

Laura Astolfi, Italy

Edi Simoni, Erica Gentilin, Mariarita Candito, Alessandro Martini

018 Novel 3R mouse model to study cisplatin ototoxicity without systemic effects

German Nacher-Soler, Switzerland

Francis Rousset, Marta Coelho, Karl Heinz Krause, Pascal Senn

019 Biopolymer-based formulations for intratympanic dexamethasone delivery to the inner ear

Francis Rousset, Switzerland

Vivianne Kokje, Marta Coelho, Thibault Mugnier, Robert Gurny, Karl Heinz Krause, Pascal Senn

020 Expression of the microglial marker TMEM119 in the postnatal mouse cochlea

Mohamed Bassiouni, Germany

Katharina Stölzel, Heidi Olze, Agnieszka J. Szczepek

021 Cisplatin-induced ototoxicity can be counteracted by polyphenols

Anna Rita Fetoni, Italy

Rolando Rolesi, Fabiola Paciello, Claudio Grassi, Diana Troiani, Gaetano Paludetti

P-05

Poster Session

13:00 – 14:00 | Charité CrossOver Foyer

Stem cell

001 Differentiation of human embryonic stem cells into otic epithelial progenitor cells and their maturation in 2D and 3D culture systems

Ae-Ri Ji, United Kingdom

Darrell Barrott, Marcelo N. Rivolta

Poster exhibition

Thursday, 6 September 2018

002 Generation of inner ear organoid-like structures from human induced pluripotent stem cells

Farideh Moeinvaziri, Iran
Hossein Baharvand

003 Low-dose rapamycin therapy proposed by an in vitro chronic disorder model of Pendred Syndrome using disease specific iPS cells

Makoto Hosoya, Japan
Masato Fujioka, Tsubasa Saeki, Kaoru Ogawa

004 Generation of Stem Cell derived inner ear Connexin 26 gap junction plaque forming cells

Ichiro Fukunaga, Japan
Osamu Minowa, Katsuhisa Ikeda, Kazusaku Kamiya

P-06

Poster Session

13:00 – 14:00 | Charité CrossOver Foyer

Vestibular system

001 Exocytosis at mammalian vestibular ribbon synapses shows a high-order Ca²⁺ dependence and does not require synaptotagmin-4

Paolo Spaiardi, Italy
Walter Marcotti, Sergio Masetto, Stuart L. Johnson

002 Electrophysiological functional assessment of vestibular and cochlear primary neuron cultures using microelectrode array recordings

Jonas Dyhrfeld-Johnsen, France
Mickaël Deage, Selma Dadak, Montserrat Bosch Grau

003 Vestibular function change in vasopressin-induced hydrops model

Min-Bum Kim, Republic of Korea

004 Effects of hypergravity on gene expression of serotonin receptors of vestibular nuclei in rats

Hyun-Ji Kim, Republic of Korea
Eun Hae Jeon

005 MicroRNA Expression in the Vestibular Nucleus after Unilateral Labyrinthectomy

Sohyeon Park, Republic of Korea
Mun Young Chang, Jun Jae Choi, Young-Kook Kim, Myung-Whan Suh, Jun Ho Lee, Seung Ha Oh

Friday, 7 September 2018

P-07

Poster Session

13:00 – 14:00 | Charité CrossOver Foyer

Cochlear implantation (CI)

001 Audiologic, surgical and subjective outcomes of active transcutaneous bone conduction implant

Se-Joon Oh, Republic of Korea

002 Comparison of single cell spike timing in the brainstem in response to Cochlear Implant and acoustic stimulation

Michaela Müller, Germany
Barbara Beiderbeck, Benedikt Grothe, Michael Pecka

003 Characterization of spiral ganglion neurons in vitro cultured on 3D complementary metal-oxide-semiconductor chips

Viktorija Radotić, Croatia
Dries Braeken, Petar Drviš, Damir Kovacic

004 The effect of antioxidants and magnesium on residual hearing preservation in cochlea-implant-patients

Verena Scheper, Germany
Melanie Schmidtheisler, Florian Lasch, Heiko von der Leyen, Armin Koch, Andreas Büchner, Anke Lesinski-Schiedat, Thomas Lenarz

005 High-resolution microscopy for determining an early response to electrical stimulation

Marvin Peter, Germany
Gerit Paasche, Uta Reich, Thomas Lenarz, Athanasia Warnecke

006 Limited high pitch perception of auditory brainstem implantation

Jun-Hui Jeong, Republic of Korea
Hyun-Seung Choi, Jae-Young Choi, In-Seok Moon, Mi-Ran Bae, Bo-Gyung Kim, Min-Bum Kim, Jin-Woo Chang

007 Summating potential as a marker of intracochlear position of electrodes

Laya Rahbar Nikoukar, Germany
José Santos Cruz Andrade, Thomas Lenarz, Andrej Kral, Peter Baumhoff

008 Biodegradable piperacillin-tazobactam-eluting nanofibrous mat against ciprofloxacin-resistant *Pseudomonas aeruginosa* (CRPA) bio-film formation of cochlear implant

Chul Ho Jang, Republic of Korea
Tae Gu Kang, Jong Min Park

009 Efficacy of non-skin penetrating transcutaneous implantable bone anchored hearing device (cochlear Baha attract)

Chul Ho Jang, Republic of Korea
Chung Man Sung

Poster exhibition

Friday, 7 September 2018

010 The natural progression of low-frequency hearing level in patients with high-frequency hearing loss

Masahiro Okada, Japan

Naohito Hato

011 Prediction of the auditory ganglion cell population from the electrically evoked auditory potential via multi-site promontory stimulation

Doo Hee Kim, Republic of Korea

Ji Yeon Bae, Woojin Ahn, Hoseung Lee, Kyou Sik Min, Seung Ha Oh

012 3D-CT analysis of FMT angle to RW/OW after VSB surgery

Katsumi Doi, Japan

013 Prognosis prediction of cochlear implantation using evoked auditory brainstem response

Sang-Youp Lee, Republic of Korea

Seung Ha Oh

014 Comparison of electrically evoked auditory brainstem response and compound action potential

Marcus Müller, Germany

Masaaki Ishikawa, Monika Kwiatkowska, Christina Ahrensmeier, Hubert Löwenheim

015 Biocompatibility of lithium niobate and barium titanate nanoparticles in an inner ear cell line

Mariarita Candito, Italy

Erica Gentilin, Edi Simoni, Serena Danti, Alessandro Martini, Laura Astolfi

016 Cochlear implant performance and genetic diagnostics

Marcus Müller, Germany

Anke Tropitzsch, Saskia Dofek, Phillipp Gamerdinger, Saskia Biskup, Sarah Fehr, Hubert Löwenheim

P-08

Poster Session

13:00 – 14:00 | Charité CrossOver Foyer

Genetics

001 Polyethylenimine-mediated targeted gene therapy using CRISPR/Cas9

Min-A Kim, Republic of Korea

Nari Ryu, Kyu-Yup Lee

002 Deficiency of mitochondrial tRNA modification causes progressive hearing loss through metabolic senescence in the inner ear

Toru Miwa, Japan

P-09

Poster Session

13:00 – 14:00 | Charité CrossOver Foyer

Hearing and cognition

001 Cognitive decline and increased hippocampal p-tau expression in mice with hearing loss

Jaesang Han, Republic of Korea

Shi Nae Park

002 Adenosine A2A receptor agonist mitigates deleterious effects of NIHL on neuroprotection and spatial reference memory in rats

Manish Shukla, India

Koustav Roy, Neeru Kapoor

003 Central stress receptors influence differentially sound-induced long-term changes in auditory nerve response and central auditory processing

Philine Marchetta, Germany

Philipp Eckert, Marie Manthey, Lukas Rüttiger, Wibke Singer, Marlies Knipper

004 Noise-induced hearing loss as a risk factor AD cognitive decline

Anna Rita Fetoni, Italy

Fabiola Paciello, Marco Rinaudo, Sara Cocco, Rolando Rolesi, Maria Vittoria Podda, Claudio Grassi, Gaetano Paludetti, Diana Troiani

P-10

Poster Session

13:00 – 14:00 | Charité CrossOver Foyer

Hearing function

001 Extracellular ATP-induced hydrogen sulfide production in outer hair cells

Narinobu Harada, Japan

Yukari Ito, Ippei Takashima, Akio Ojida, Fumiko Sekiguchi, Atsufumi Kawabata

002 Contribution of multiple response of peripheral fibres in intensity discrimination and loudness formation of short high-frequency sounds

Liudmila Rimskaya-Korsakova, Russia

003 Deficiency of Lats1 a configuration kinase of Hippo pathway causes congenital hearing loss in mice

Takanori Nishiyama, Japan

Masato Fujioka, Makoto Hosoya, Naoki Oishi, Tatsuhiko Harada, Hideyuki Saya, Kaoru Ogawa

Poster exhibition

Friday, 7 September 2018

004 Effect of sleep deprivation on hearing levels in rats

Bo-Gyung Kim, Republic of Korea

Jae-Hyun Jung, Seung-Jae Lee, Eun-Sang Lee, Se-A Lee, Ji-Ho Choi

005 Hyperpolarization-activated and cyclic nucleotide-gated channels in the mammalian inner ear

Maria Luque Calvo, Austria

Anneliese Schrott-Fischer, Dominik Schmidbauer, Wei Liu, Helge Rask-Andersen, Elisabeth Pechriggl, Erich Brenner, Rudolf Glueckert

006 N-glycan profiles of the epithelial-like tissue in the mammalian cochlea

Yoriko Nonomura, Japan

007 Identification of evidence for autoimmune pathology of bilateral sudden sensorineural hearing loss using proteomic analysis

Sung Huhn Kim, Republic of Korea

Chan Lee, Jeon Mi Lee, Sung Hoon Bae, Hyun Jin Lee

008 Cochlear histopathology after shock wave exposure

Kunio Mizutani, Japan

Eiko Harada, Yasushi Satoh, Akihiro Shiotani

009 Segmentation and cell feature extraction in the clarified auditory system

Paola Perin, Italy

Alessandra Centineo, Marta Ceccarini, Roberto Pizzala

010 The organ of Corti processes complex auditory signals to extract the envelope of the complex

Alfred L. Nuttall, USA

George Burwood, Anders Fridberger, Ruikang K. Wang

004 Comparison of two tinnitus acoustic therapies using either lateral inhibition or awareness decrease (TRT)

Cécile Ducène, Belgium

Marie-Paule Thill, Gregory Kamysz, Maud Real, Philippe Lurquin

005 Can patients determine their tinnitus frequency using recursive matching?

Daniela Korth, Germany

Andreas Wollbrink, Robert Wunderlich, Orlando Guntinas-Lichius, Christo Pantev, Christian Dobel

006 The development of a tinnitus percept after noise trauma is associated with synaptopathy of inner hair cells in Mongolian gerbils

Konstantin Tziridis, Germany

Holger Schulze

007 Assessment of tinnitus in mouse models using gap prepulse inhibition of acoustic startle

Ji-Hyung Lim, Republic of Korea

Shi Nae Park, So Young Park, Min Jung Park

008 Tinnitus and stress in adults: A scoping review

Asma Elarbed, United Kingdom

Kathryn Fackrell, David Baguley, Derek Hoare

P-11

Poster Session

13:00 – 14:00 | Charité CrossOver Foyer

Tinnitus

001 Correlation of cognitive and tinnitus characteristics in aged patients with chronic tinnitus

Young-Ho Kim, Republic of Korea

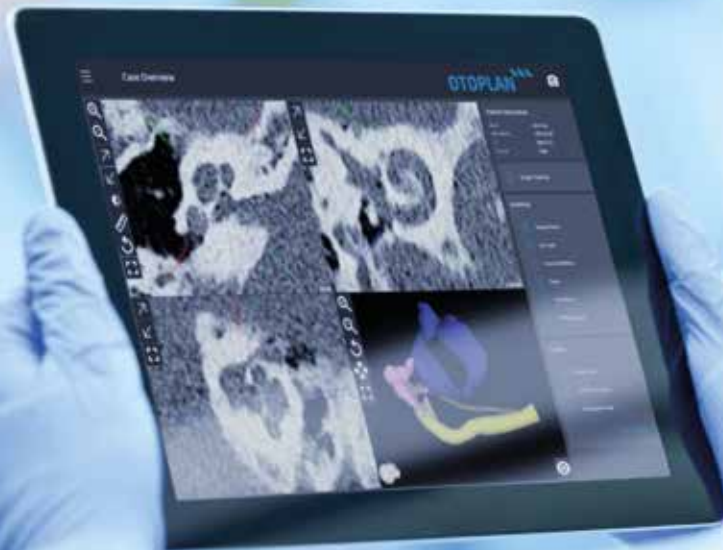
002 The effect of selective serotonin reuptake inhibitor in the treatment of chronic tinnitus

Hee-Jeong Jeong, Republic of Korea

003 The relationship between subjective pitch matched tinnitus loudness and tinnitus handicap inventory in patients with chronic tinnitus

Toyooki Ohbuchi, Japan

Ba Do, Tetsuro Wakasugi, Takuro Kitamura, Hideaki Suzuki



OTOPLAN

The Future of Otological Surgery

OTOPLAN is a revolutionary tablet-based otological planning software. Quickly generate patient-specific 3D reconstruction from MRI or CT images, and easily visualize each patient's unique anatomy. Explore detailed reconstruction of cochlear anatomy, including facial nerve, chorda tympani, and more.

- ✓ 3D Reconstruction
- ✓ Portable Solution
- ✓ Intuitive Controls
- ✓ Plug & Play Data Import

Find out more about OTOPLAN at otoplan.ch

hearLIFE

OTOPLAN may not be approved or available in all areas. Features are subject to change. Please visit otoplan.ch for more information.

medel.com



Sponsoring and exhibition

The congress organizer gratefully acknowledges the support of the following sponsors:

Dr. Willmar Schwabe GmbH & Co. KG
GOLD SPONSOR
Industry symposium (90 minutes)
Exhibition space



**ISMA AG / terzo-Institut für angewandte
Gehörforschung**
Industry symposium (60 minutes)



MED-EL Medical Electronics
SILVER SPONSOR
Industry symposium (60 minutes)
Advertisement on-site
Flyer
Advertisement in the final programme



AudioCure Pharma GmbH
2 coffee breaks



LI-COR Biosciences GmbH
Exhibition space



Cochlear Deutschland GmbH & Co. KG
SILVER SPONSOR
Writings pads and pens
4 coffee breaks



KIND Hörgeräte GmbH & Co. KG
General financial support



Oticon Medical
Exhibition space



Desyncra Operating GmbH
SILVER SPONSOR
Industry symposium (90 minutes)



Sensorion
Poster Awards



as of August 2018

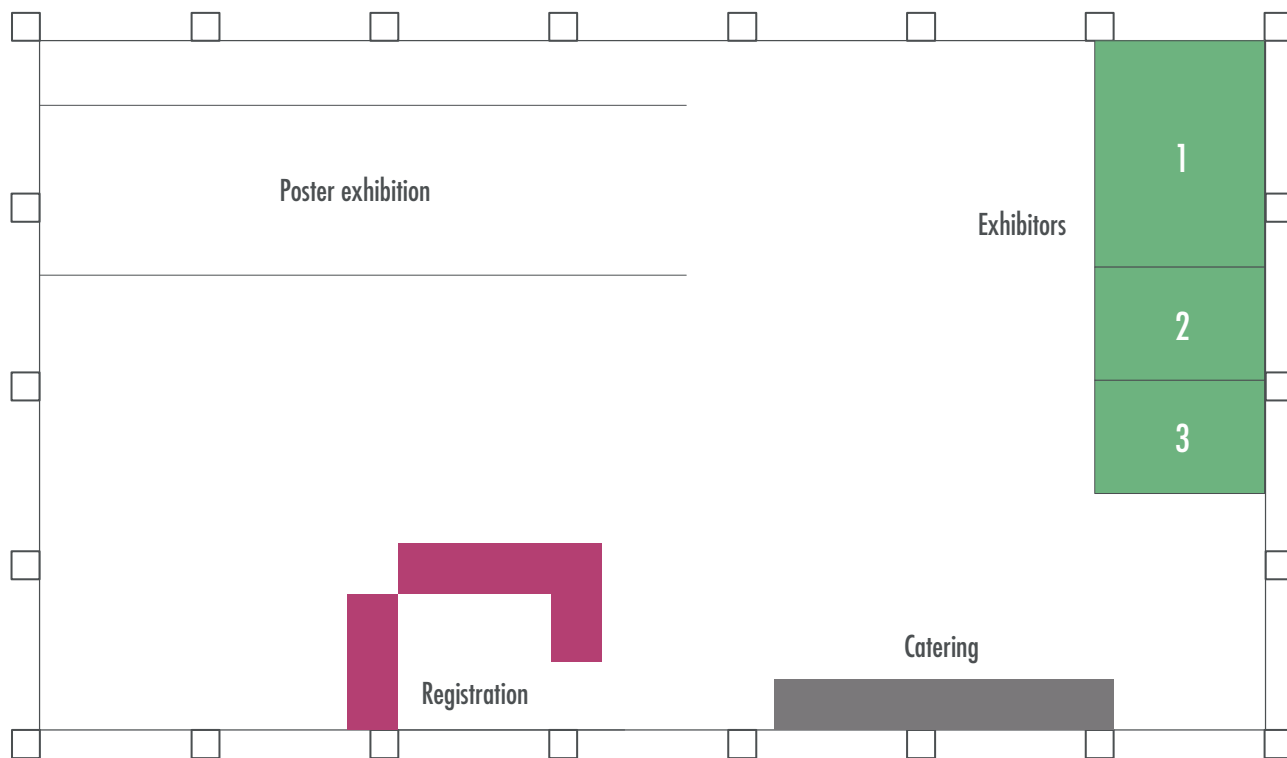
Exhibition floor plan

Exhibitors

- 1 Dr. Willmar Schwabe GmbH & Co. KG
- 2 LI-COR Biosciences GmbH
- 3 Oticon Medical

Opening hours

Thursday, 6 September 2018	09:00 – 17:00
Friday, 7 September 2018	09:00 – 17:00
Saturday, 8 September 2018	09:00 – 14:00



Industry-sponsored sessions

Thursday, 6 September 2018

InS-01	Industry Symposium
11:30 – 12:30 Lecture Hall "Innere Medizin"	
Respecting the Individual Cochlea	
Chair: Carolyn Garnham, United Kingdom	
Organizer: MED-EL Medical Electronics	

001 OTOPLAN –The Future of Otological Surgery

Masoud Assadi, Austria

002 3D Visualisation of Cochlear Malformations

Anand Dhanasingh, Austria

003 Temporal Bone Studies of Cochlear Health

Helge Rask-Andersen, Sweden

004 Objective Measures of Residual Hearing: Facts and Challenges

Youssef Adel, Germany

005 MRI Safety with MED-EL

Ingo Todt, Germany

InS-02	Industry Symposium
15:00 – 16:00 CCO Auditorium	
From bench to bedside: What we can learn from basic research	
Chair: Birgit Mazurek, Germany	
Organizer: ISMA AG / terzo-Institut für angewandte Gehörforschung	

001 Molecular aspects of tinnitus: from animal research to the clinic

Marlies Knipper, Germany

002 Aging and cognition: Influence factors and training possibilities

Elke Kalbe, Germany

003 Auditory training: The link between tinnitus and cognition

Juliane Dettling-Papargyris, Germany

Friday, 7 September 2018

InS-03	Industry Symposium
11:30 – 13:00 Lecture Hall "Innere Medizin"	
Vestibular compensation – learning the balance	
Chair: Birgit Mazurek, Germany	
Organizer: Dr. Willmar Schwabe GmbH & Co. KG	

001 Treatment approaches facilitating vestibular compensation

Andreas Zwergal, Germany

002 Drug effects on vestibular compensation

Wolfgang Heide, Germany

Saturday, 8 September 2018

InS-04	Industry Symposium
11:30 – 13:00 Lecture Hall "Innere Medizin"	
Neuromodulation and Neuroplasticity – New Therapy Options for Parkinson's disease and tonal Tinnitus	
Chair: Markus Haller, Germany	
Organizer: Desyncra Operating GmbH	

001 CR Neuromodulation as treatment of Parkinson's disease

Christian Hauptmann, Germany

002 Neuroplasticity – Contribution to establish long-term effects

Berthold Langguth, Germany

003 Acoustic CR Neuromodulation as treatment of tonal Tinnitus

Mark Williams, United Kingdom

Social events

After-Work-Party

Thursday, 6 September 2018 | 19:30 – 22:30

Rooftop Terrace at IDEAL Versicherung

Kochstr. 26, 10969 Berlin

Cost contribution: EUR 20 (incl. beverages and snacks)

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 to this special location to round off a successful and interesting congress day. Finger food and drinks will be provided.



Gala Dinner

Friday, 7 September 2018 | 19:00 – 24:00

Two Buddhas Restaurant

Julie-Wolfthorn-Straße 1, 10115 Berlin

Cost contribution: EUR 70 (incl. buffet and beverages)

Don't miss the Gala Dinner that will be held at the "Two Buddhas" restaurant, the location of the former Berlin railway station "Stettiner Bahnhof". It is dominated by Asian furniture and enhanced by modern contemporary Asian pop-art, including two 4-meter-high Buddha installations that are floating above water with Japanese koi. Enjoy a relaxed dinner in a mystical and impressive setting with a surprise performance and dancing.



Index

Index

CPO HANSER SERVICE is specialist in the field of Conference, Event and Destination Management organizing events of any size throughout Germany and also abroad for more than 35 years.

CPO HANSER[®] SERVICE

CONFERENCE – EVENT – DESTINATION – ASSOCIATION MANAGEMENT

We offer you:

- the best congress organization
- state-of-the-art online solutions
- electronic abstract handling
- CME accreditation handling
- effective congress technology
- sponsoring and exhibition acquisition and management
- finance management
- professional tax solutions
- creative event programs
- inhouse graphic design

BERLIN

Paulsborner Str. 44
14193 Berlin, Germany
Phone: +49-(0)30-30 06 69-0
Fax: +49-(0)30-30 57 39-1
Email: berlin@cpo-hanser.de

HAMBURG

Zum Ehrenhain 34
22885 Barsbüttel, Germany
Phone: +49-(0)40-67 08 82-0
Fax: +49-(0)40-67 03 28-3
Email: hamburg@cpo-hanser.de

www.cpo-hanser.de



