Preliminary Program

13th Congress of the European Federation of Audiology Societies

June 7 – 10, 2017

Congress Centre Kursaal Interlaken | Switzerland
www.efas2017.org
DISCOVER INTERLAKEN...

It’s not unusual for a town to be on a river, lake or an ocean. But for it to sit between two lakes may well be unique. Interlaken - between Lake Thun and Lake Brienz - can boast such a privileged position. And there’s more. Interlaken is also in the heart of the magnificent Jungfrau region mountain world and affords views of the world-famous icy icons, the Eiger, Mönch & Jungfrau.

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Friday, 09.06.2017 20-23
Saturday, 10.06.2017 24-26

Invited keynote speakers and chairs 28-29

Industry sponsored Satellite Symposia 30
Sponsors 31

Online Registration: www.efas2017.org
Welcome

Dear Colleagues and Friends,

With great enthusiasm the organizing committee announces the most important European event for audiology societies: The 13th EFAS Congress 2017, which will take place from June 7-10, 2017 in Interlaken/Switzerland, the popular Swiss resort town between lake Thun and lake Brienz, in the heart of the magnificent Jungfrau region mountain world.

The rich four day congress program includes oral and poster presentations plus free papers covering the most current topics in audiology, as well as workshops, excellent plenary sessions and lectures with distinguished international scientists.

On the occasion of this 13th EFAS Congress 2017, we are honored to invite you to Interlaken. Your stay in Switzerland’s Bernese Oberland will definitely be a marvelous and inspiring experience!

Prof. Martin Kompis MD, PhD
Congress President

Dr. Theresa Pitt, Au.D., M.Sc., F.I.S.H.A.A.
EFAS Chairperson

About EFAS

The European Federation of Audiology Societies, EFAS, is a non-profit organization, formed as a federation of national audiology societies in the European countries founded about 20 years ago. The main scope of EFAS is to promote better educational and professional liaison in European audiology, in both the academic and practical spheres. This includes grants and scholarships for young audiology students to enable them to travel, learn and promote interchange with institutions in other countries. EFAS also develops collaboration through EFAS Working Groups which help to promote important underlying and unifying educational, screening and diagnostic audiology principles across Europe.

Mission Statement of EFAS

The scope of EFAS is to promote cooperation, exchange of experience and knowledge of audiology within Europe, both as a scientific field and as a hearing health service offered to the public. EFAS may also act as a common spokesman for European audiology in relation to other organizations.

We aim to:
• Provide guidelines for education in Audiology (in relationship to the Bologna process)
• Provide guidelines for the quality of service delivery
• Provide the possibility of exchange and dissemination of knowledge
• Promote the visibility and leverage of Audiology to policy makers

EFAS Honorary Officers
Chairman: Theresa Pitt, IR
Vice Chairman: Françoise Sterkers-Artières, FR
Past Chairman: Jan Wouters, BE
General Secretary: Birger Kollmeier, DE
Treasurer: Martin Kompis, CH
## General Information

**Date**  
From Wednesday June 7, 2017  
to Saturday June 10, 2017

**Venue**  
Congress Centre Kursaal Interlaken  
Strandbadstrasse 44  
CH - 3800 Interlaken  
Phone: +41 (0)33 827 61 00

**Website**  
www.efas2017.org

**Patronage**  
Swiss Society of Oto-Rhino-Laryngology, Head and Neck Surgery

### EFAS Representatives and Chairs of Structured Sessions

- Antonia Angulo
- Jerez Ahmet Atas
- Michael Akeroyd
- Susan Arndt
- Joseph Attias
- Shelly Chadha
- Huw Cooper
- René Dauman
- Stefan Debener
- Tom Francart
- Madalina Georgescu
- József Géza Kiss
- Tatiana Golubok-Abyzova
- Deborah Hall
- Ligija Kise
- Tobias Kleinjung
- Jukka Kokkonen
- Birger Kollmeier
- Martin Kompis
- Katrin Kruustyk
- Alessandro Martini
- Jorge Humberto Martins
- Branka Mikic
- Tobias Moser
- Joachim Müller
- Elania Pace Balzan
- Christine Petit
- Theresa Pitt
- Milan Profant
- Anamarija Šimunčić Veselić
- Einar Sinderson
- Ad Snik
- Wim Soede
- Sanja Spiric
- Kurt Stephan
- Françoise Sterkers-Artières
- Wieslaw J. Sulkowski
- Jose SYKA
- George A. Tavartkiladze
- Inger Uhlen
- Ingrida Uloziene
- Isabel Varela-Nieto
- Jagoda Vatovec
- Arne Vik
- Janusz Wajn
- Jan Wouters
- John Xenelis

### Congress Secretariat

**IMK** Institute for Medicine and Communication Ltd  
Münsterberg 1, CH-4001 Basel  
Tel: +41 61 271 35 51 | Fax: +41 61 271 33 38  
congress@imk.ch | www.imk.ch
**General information**

**Registration**
Online via efas2017.congress-imk.ch

**Congress fees**

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<td>June 7-10, 2017</td>
<td>Wed-Thurs, June 7-8, 2017</td>
<td>Fri, June 9, 2017</td>
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<td><strong>Regular</strong></td>
<td>530*</td>
<td>250*</td>
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<td><strong>Students (Undergraduate)</strong></td>
<td>130*</td>
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* Early Bird fees are valid until April 10, 2017.

**Tickets for accompanying persons**
210

**Networking Dinner**
120

**Welcome reception**
June 7, 2017, from 19:00

**Networking Dinner**
June 9, 2017, Harder Kulm Panorama Restaurant | Top of Interlaken.
Tickets can be purchased while registering online.
We recommend to book early as places are limited.

**Cancellation policy**
All cancellations must be made in written form to the administrative secretariat.
Cancellations received up to April 10, 2017: 50% refund
Cancellations after April 11, 2017: no refund

**Confirmation of participation**
The participants will receive a confirmation of participation by email after the congress.

**Credits**
An application will be made to the SGORL and EACCME® for CME accreditation of this event.

**Language**
The official congress language is English.
Slides and presentations have to be in English.
Abstracts have to be in English

**Abstract submission and publication**
Abstracts can be submitted online for posters or oral presentations.
Please refer to the congress website for submission instructions and guidelines.
Accepted abstracts will be published in a supplement issue of the Journal of Hearing Science (JHS).

**Directions and venue**

**Interlaken**
Interlaken is a small city in the Bernese Alps. It is situated nicely between mountains and two lakes. Nevertheless, it can be reached easily within 40 minutes by train from Bern and has direct train connections e.g. to Berlin and Frankfurt. Bern Airport is close and the airports of Zurich, Basel and Geneva can be reached by train.
(Find out more about the town on the official website www.interlaken.ch/en).

**Venue**
The venue of the EFAS congress 2017 is the Congress Centre Kursaal Interlaken. It is located in the centre of Interlaken and most hotels are within walking distance.

Congress Centre Kursaal Interlaken
Strandbadstrasse 44
CH - 3800 Interlaken
Phone: +41 (0)33 827 61 00

The Congress Centre Kursaal Interlaken is a complex of historical buildings featuring a modern infrastructure. The venue is surrounded by a wonderful park.
Accommodation

Hotel reservation
The Interlaken Congress & Events AG recommends you to make your reservation early in order to have an unlimited choice of hotels. You can make your hotel reservation quickly and easily online via the congress website.

Networking Event

Friday, June 9, 2017

Harder Kulm Panorama Restaurant | Top of Interlaken
The Harder Kulm Panorama Restaurant is located high up on Interlaken’s own mountain at 1,322 metres above sea level. The funicular takes you from the valley station up to the mountain in just ten minutes.

The Art Nouveau-style Panorama Restaurant looks like a small castle with its turrets, parlours and halls. The cosy terrace is a meeting point for locals and the ideal viewing platform for tourists from near and far. It offers a unique view of the world-famous Eiger, Mönch and Jungfrau. If you are not afraid of heights, the Two Lakes Bridge overlooking Lake Brienz, Lake Thun and the Bödeli – which is how locals call the tongue of land between the two lakes – awaits you.

Tickets for the networking event including dinner can be purchased for CHF 120.–/person while registering online.

We recommend to book early as places are limited.
### Scientific program

**Wednesday June 7, 2017**

<table>
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<th>Schedule</th>
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**Thursday June 8, 2017**

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**Friday June 9, 2017**

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**Saturday June 10, 2017**

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### Daily overview Wednesday | 07.06.2017

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<tr>
<td>13:30</td>
<td>Hearing 4 All</td>
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<tr>
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<td>e-learning and e-training in Audiology</td>
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<tr>
<td>16:15</td>
<td>Coffee Break</td>
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<tr>
<td>16:30</td>
<td>School age hearing Screening</td>
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<td>17:10</td>
<td>Audiology and intellectual disability</td>
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<tr>
<td>18:05</td>
<td>Cochrane reviews workshop – Why should I get involved and what will I need to do?</td>
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**WS** Workshop

WS01
WS02
WS03
WS04
WS05

WS01
WS02
WS03
WS04
WS05

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WS

from 19:00 Welcome reception
Wednesday | 07.06.2017

13:30–15:15  | Hearing4All: Developments from the Cluster of Excellence for Audiology in Europe  
Chairs: Birger Kollmeier, Oldenburg, DE; Thomas Lenarz, Hannover, DE

13:30–13:50  | Introduction to the cluster of excellence Hearing4All  
Pre-course online test  
Birger Kollmeier, Oldenburg, DE

13:50–14:10  | Hear the future with implantable hearing devices:  
Clinical, otological and technological aspects  
Thomas Lenarz, Hannover, DE

14:10–14:25  | Multilingual Speech tests and their application for international field studies and comparison between theory and experiment  
Ania Warzybok, Oldenburg, DE

14:25–14:40  | Highlights from Hearing4All for patients with auditory implants  
Andreas Büchner, Hannover, DE

14:40–14:55  | Highlights from Hearing4All for patients with hearing aids and the subclinical population  
Simon Doclo, Oldenburg, DE

14:55–15:15  | Podium Discussion

15:20–16:00  | e-learning and e-training in Audiology

16:00–16:30  | Coffee break

16:30–17:10  | School age hearing screening and pediatric audiology  
Chairs: Jan Wouters, Leuven, BE; N.N.

16:30–16:40  | Report of the EFAS Working Group on School Age Hearing Screening  
Jan Wouters, Leuven, BE

16:40–16:50  | The development of a hearing screening test based on ecological sounds  
Jan de Laat, Leiden, NL

16:50–17:00  | First results of a general school age hearing screening program and the set-up of an international project with EFAS partners  
Sam Denys, Leuven, BE

17:00–17:10  | VIRATO, a simulator and training module of children audiology  
Tom Francart, Leuven, BE

17:15–17:55  | Audiology and intellectual disability

18:00–19:00  | Cochrane reviews workshop – Why should I get involved and what will I need to do?  
Deborah Hall, Nottingham, UK

From 19:00  | Welcome reception
Daily overview Thursday | 08.06.2017

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<tr>
<th>First Hall</th>
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<tr>
<td>08:00 - 08:15</td>
<td>Welcome</td>
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<td>Economic impact of hearing loss and relation with public health</td>
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<td>Age related hearing loss New knowledge for an ageing population</td>
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<td>Satellite Symposium</td>
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Thursday | 08.06.2017

08:15-08:30 Welcome & Opening

08:30-09:00 Keynote Lecture Economic impact of hearing loss and relation with public health
Chair: Theresa Pitt, Wexford, IR
Shelly Chadha, WHO

09:00-09:30 Structured Session Age related hearing loss New knowledge for an ageing population
Chairs: Josef Syka, Prague, CZ; Isabel Varela-Nieto, Madrid, ES
Pao Gasparini, Trieste, IT

09:30-10:00 Genetics of normal hearing function and age-related hearing loss
Marlies Knipper, Tübingen, DE

10:00-10:30 Presbycusis – from the experimental model to the clinic
Anna Fetoni, Rome, IT

10:30-11:00 Free Papers

11:00-12:00 Keynote Lecture Hearing with Light
Chair: Birger Kollmeier, Oldenburg, DE
Tobias Moser, Göttingen, DE

12:00-13:30 Lunch

12:30-13:30 Satellite Symposium 1

EFAS General Assembly
Poster Presentations
Thursday | 08.06.2017

13:30–15:00

Structured Session

Cochlear implants and implantable hearing devices in single sided deafness
Chairs: Susan Arndt, Freiburg i. Br., DE; Joachim Müller, München, DE

Handicap of unilateral hearing loss
Ona Bø Wie, Oslo, NO

Consequences of unilateral hearing loss in infants and children
Liat Kishon-Rabin, Tel-Aviv, IL

What can we learn from physiology in treatment of SSD
Andrej Kral, Hannover, DE

Long-term Evaluation of Cochlear Implantation in Subjects with Acquired Unilateral Hearing Loss
Griet Mertens, Antwerp, BE

Issues in SSD CI Fitting
Thomas Wesarg, Freiburg, DE

Treatment of SSD with different hearing devices
Thomas Keintzel, Wels, AT

Rehabilitation to support hearing with CI in patients with SSD
Stephanie Rühl, München, DE

Cochlear Implants for SSD
Mario Zernotti, Córdoba, AR

13:30–15:00

Free Papers

15:00–15:30

Coffee Break

15:30–16:45

Structured Session

Towards optimal cochlear implants – a session in honor of Prof. Norbert Dillier
Chairs: George Tavartkiladze, Moscow, RU; Martin Kompis, Bern, CH

Prof. Norbert Dillier – A life in hearing research
Martin Kompis, Bern, CH

Towards optimized cochlear implants
Norbert Dillier, Zürich, CH

Objective measures in CI: from eCAP to eCAEP
George Tavartkiladze, Moscow, RU

Model based strategies Improving coding strategies for cochlear implants
Andreas Büchner, Hannover, DE

Advances in coding strategies for cochlear implants
Clemens Zierhofer, Innsbruck, AT

Discussion

Free Papers

Poster Session 1 – Short presentations

Free Papers

EFAS General Assembly

Poster presentations by presenting authors
# Daily overview Friday | 09.06.2017

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<td>08:00 - 08:15</td>
<td>Implantable BC-aids</td>
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- **Keynote Lecture**
- **Structured Session**
- **Abstract presentations**
- **Industry sponsored Satellite Symposium**

**Friday | 09.06.2017**

**Keynote Lecture**

**Implantable BC-aids**

Chair: Jan Wouters, Leuven, BE

Ad Snik, Nijmegen, NL

**Structured Session**

**Brain Computer Interface and Audiology**

Chairs: Stefan Debener, Oldenburg, DE; Tom Francart, Leuven, BE

Decoding the effects of attention and visual input on the neural processing of speech

Ed Lalor, New York, US

Deciphering attentional modulations of single-trial EEG in real-world acoustic scenes

Søren Fuglsang, Copenhagen, DK

EEG in response to running speech: applications in diagnostics and noise suppression

Tom Francart, Leuven, BE

Towards unobtrusive, wearable ear-EEG

Stefan Debener, Oldenburg, DE

**Coffee Break**

**Free Papers**

**Poster Session 2 – Short presentations**

**Lunch Break**

**Satellite Symposium 2**
Structured Session
Spatial listening and new developments in hearing aids
Michael Akeroyd, Nottingham, UK; Jan Wouters, Leuven, BE

A brief overview of the main effects of hearing aids on localization
Michael Akeroyd, Nottingham, UK

Effects of dynamic range compression on spatial perception in an everyday reverberant environment
Henrik Gert Hassager, Kongens Lyngby, DK

Adapting bilateral directional processing to individual binaural hearing abilities
Tobias Neher, Oldenburg, DE

Improved localisation by re-gaining access to perceptual cues otherwise lost in hearing impairment
Michael Stone, Manchester, UK

Binaural effects in speech understanding for bimodal CI listeners
Benjamin Dieudonné, Leuven, BE

The effect of background noise on the gestures, gaze and speech during conversations
Bill Whitmer, Glasgow, UK

Structured Session
Speech audiometry and new developments in electronic-assisted Audiology
Chairs: Birger Kollmeier, Oldenburg, DE; Josef Attias, Petah Tiqva, IL

Multilingual speech audiometry with the Matrix and Digit triplet test as the driver for e-audiology
Birger Kollmeier, Oldenburg, DE

The closed-set matrix test and its clinical applications with CI patients (and more...)
Aarno Dietz, Kuopio, FI

Training on time – compressed speech – What is the relevance for e-speech audiometry?
Karen Banai, Haifa, IL

The Digit triplet tests as international and internet-based tools
Cas Smits, Amsterdam, NL

The hearing device manufacturers perspective of e-audiology
Stefan Launer, Stäfa, CH

Podium Discussion

Free Papers

Networking Event at Harder Kulm
**Daily overview Saturday | 10.06.2017**

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<tr>
<th>Time</th>
<th>First Hall</th>
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<td>Genetics of hearing loss</td>
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<td>Novel treatment options for chronic tinnitus</td>
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**Saturday | 10.06.2017**

08:00-09:00

**Keynote Lecture**

*Genetics of hearing loss*

Chair: Françoise Sterkers-Artières, Palavas, FR

Christine Petit, Paris, FR

09:00-10:30

**Structured Session**

*Novel treatment options for chronic tinnitus*

Chairs: Tobias Kleinjung, Zürich, CH; Deborah Hall, Nottingham, UK

**Tobias Kleinjung, Zürich, CH**

Tomographic neurofeedback for the treatment of chronic tinnitus

**Insights from neuroimaging data towards developing treatments**

Pim van Dijk, Groningen, NL

**Cochlear implantation as a treatment for tinnitus: selecting the right patient**

Griet Mertens, Antwerp, BE

**The efficacy of internet delivered treatment for tinnitus**

David Baguley, Nottingham, UK

**Creating an evidence base for the clinical effectiveness of novel treatments**

Deborah Hall, Nottingham, UK

09:00-10:30

**Free Papers**

10:30-11:00

**Coffee Break**
Saturday | 10.06.2017

11:00–12:30

**Structured Session**

**Tympanometry and Stapedial Reflexes**
Chair: Theresa Pitt, Co Wexford, IR

- **Wideband Absorbance measures in Tympanometry**
  Stefan Stenfelt, Linkoping, SE

- **Auditory Test battery concept and Development**
  Kai Uus, Manchester, UK

- **Electrically evoked Stapedial Reflexes match Cochlear Implant users' Comfortable Listening levels**
  Kurt Stephan, Innsbruck, AT

- **Acoustic Reflexes in screening for third window disorders**
  Paulette McDonald; Robert Hong; Michigan, US

11:00–12:30

**Free Papers**

12:30–13:00

**Closing Ceremony**
Adresses of invited keynote speakers and chairs

Speakers Keynote lectures

Dr. Dr. med. Shelly Chadha
World Health Organization
Prevention of Deafness and Hearing Loss
IN

Prof. Dr. med. Tobias Moser
University Medical Center Göttingen
Institute for Auditory Neuroscience & InnerEarLab
Göttingen, DE

Prof. Dr. Dr. med. Christine Petit
Institut Pasteur
Department of Neuroscience
Laboratory for Genetics & Physiology of Hearing
Paris Cedex 15, FR

Prof. Dr. Ad Snik
Radboud University Nijmegen Medical Centre
Department of Otorhinolaryngology
EX Nijmegen, NL

Organizers Structured Sessions

Prof. Dr. Michael A. Akeroyd
The University of Nottingham
School of Medicine
Faculty of Medicine & Health Sciences
Medical Research Council Institute of Hearing Research
Nottingham, UK

Prof. Dr. med. Susan Arndt
Universitätsklinikum Freiburg
Klinik für Hals-, Nasen- und Ohrenheilkunde
Freiburg i. Br., DE

Dr. Joseph Attias
University of Haifa
Faculty of Social Welfare and Health Sciences
Department of Communication Sciences & Disorders
Haifa, Israel
Institute of Audiology and Clinical Neurophysiology
Schneider Children’s Medical Center
PetaTiqva, Israel, IL

Prof. Dr. Stefan Debener
Carl von Ossietzky University of Oldenburg
VI. School of Medicine and Health Sciences
Department of Psychology
Neuropsychology Lab
Oldenburg, DE

Prof. Dr. Tom Francart
Katholieke Universiteit Leuven & University of Leuven
Dept. Neurosciences
Division of Experimental Otorhinolaryngology O.t.n2
Leuven, BE

Prof. Dr. Deborah Hall
The University of Nottingham
School of Medicine
National Institute for Health Research
Nottingham
Hearing Biomedical Research Unit
Nottingham, UK

Prof. Dr. med. Tobias Kleinjung
Universitätsspital Zürich
Klinik für Ohren-, Nasen-, Hals- und Gesichtschirurgie
Zürich, CH

Prof. Dr. Dr. med. Birger Kollmeier
Carl von Ossietzky University of Oldenburg
VI. School of Medicine and Health Sciences
Department for Medical Physics and Acoustics
Oldenburg, DE

Prof. Dr. Dr. med. Martin Kompis
Inselspital
Universitätssklinik für Hals-, Nasen- und Ohrenkrankheiten (HNO)
Kopf- und Halschirurgie
Bern, CH

Prof. Dr. med. Joachim Mueller
Klinikum der Universität München
Campus Grosshadern
Klinik und Poliklinik für Hals-, Nasen- und Ohrenheilkunde
München, DE

Dr. Theresa Pitt, Au.D., M.Sc., F.I.S.H.A.A.
Health Service Executive
Pitt Hearing Aids
Ballyhale, Kilrane, Rossilare Harbour
Co Wexford, IR

Prof. Dr. Stefan Stenfält
Linköping University
Department of Clinical and Experimental Medicine
Technical Audiology
Linköping, SE

Prof. Dr. Tom Francart
Katholieke Universiteit Leuven & University of Leuven
Dept. Neurosciences
Division of Experimental Otorhinolaryngology O.t.n2
Leuven, BE

Addresses of invited speakers and chairs

Dr. med. Françoise Sterkers-Artières
Institut Saint-Pierre, Palavas
371 avenue de l’Évêché de Maguelone
34250 Palavas, FR

Prof. Dr. Dr. med. Josef Syka
Institute of Experimental Medicine – Academy of Sciences of the Czech Republic
v.v.i.
Department of Auditory Neuroscience
Laboratory of Auditory Physiology and Pathology
Prague, CZ

Prof. Dr. Dr. med. George A. Tavartkiladze
National Research Center for Audiology and Hearing Rehabilitation
Moscow, RU

Prof. Isabel Varela-Nieto
Universidad Autónoma de Madrid
Institute for Biomedical Research "Alberto Sols"
Department of Pathophysiology Endocrine and Nervous System
Laboratory for Neurobiology of Hearing
Madrid, ES

Prof. Dr. Jan Wouters
Katholieke Universiteit Leuven & University of Leuven
Dept. Neurosciences
Division of Experimental Otorhinolaryngology O.t.n2
Leuven, BE
Industry Sponsored Satellite Symposia

Thursday, 08.06.2017, 12:30-13:30: Symposium organized by MED® EL

Friday, 09.06.2017, 12:30-13:30: Symposium organized by Cochlear®

Friday, 09.06.2017, 16:10 - 16:55: Symposium organized by Amplifon

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