

## Organizing Committee

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[www.ieb2017.com](http://www.ieb2017.com)

## Registration Fee

Early bird: 90 € Students / 150 € others  
 Later: 140 € Students / 200 € others  
 Congress Dinner: 70 € p.P.

Deadline for abstract submission and  
 early bird conditions:  
 May 31<sup>st</sup>, 2017

Bank account:  
 IBAN: DE22 250 700 240 8570715 01  
 BIC (SWIFT): DEUT DE DBHAN  
 Purpose: IEB 2017 + name of participant

## Hannover Medical School Department of Otorhinolaryngology

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Photo: Prof. Günter Reuter



2017 Hannover

# 54<sup>th</sup> Workshop on Inner Ear Biology and Symposium

13<sup>th</sup> - 16<sup>th</sup> September 2017



Hannover Medical School  
 Germany

# Invitation

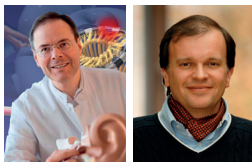
We take over the relay and continue the tradition of the meeting that has the longest history in auditory research. The first Inner Ear Biology meeting took place in Nov. 6-7, 1964. It was organized by Prof. S. Rauch and Prof. A. Meyer zu Gottesberge in Düsseldorf, Germany. This was 7 years before the first Society of Neuroscience meeting and 12 years before the first meeting of the Association for Research in Otolaryngology took place.

In 2017, we want to provide a platform for an excellent scientific conference. Due to the strong cochlear implant program here in Hannover we want to bridge basic research into clinical application and demonstrate you also research programs in the field of auditory rehabilitation. The whole research and development chain has been built up over the last 30 years with basic research, translation into medical products and clinical research for the use of new products in patients. The Hannover team wants to guide you through the research facilities and give you also a good appreciation of Hannover and its surroundings. The meeting will start with a Symposium "Interventions in the Ear: From inner ear biology to the therapy of hearing loss". Within the program we will have special sessions on "Hearing and light" and "Bioinspired signal processing". There will be in addition an ARO-sponsored symposium entitled "Developmental consequences of hearing loss". All other topics of inner ear research will be covered as well.

We organize this IEB workshop also in honor of our colleague Günther Reuter who passed away recently. He made major contributions to the field and built up the Laboratories of Experimental Otolaryngology in Hannover.

We are proud to organize the Inner Ear Biology Meeting 2017 and hope to see you in Hannover!

Thomas Lenarz & Andrej Kral  
Chairs of the IEB 2017



September 13<sup>th</sup>–15<sup>th</sup>, 2017

## Workshop on inner ear biology

The workshop will cover all traditional topics of inner ear biology, but will also include topics of central auditory neuroscience, and topics of therapeutical interventions in the auditory system.

Further topics:

Cochlear anatomy and function / New optical methods / Middle ear / Development / Genetics / Comparative hearing / Modelling / Cochlear mechanics / Regeneration / Cochlear and central auditory prostheses / Vestibular system / Tinnitus / Membranes and fluids of the inner ear / Mechanical stimulation of the inner ear / Drug delivery / Aging / Protection / Pended syndrome

The workshops starts Wednesday at 1 p.m. and ends Friday 6 p.m.

### Special Events

Wednesday Sept. 13<sup>th</sup>:

- Special Session „Hearing and Light“

Thursday Sept. 13<sup>th</sup>:

- ARO-sponsored symposium "Developmental consequences of hearing loss". Accepted speakers are Dan Sanes, NYU, USA; Douglas Hartley, University of Nottingham, UK.
- Visit of the laboratories and facilities at the Institute of AudioNeuroTechnology (VIANNA) and German Hearing Center (DHZ) in Hannover.

Friday Sept. 15<sup>th</sup>:

- Live surgery of auditory implants and transmission from the operating theatre of the ORL-department at Hannover Medical School into the lecture hall.
- Special Session "Bioinspired signal processing".

September 16<sup>th</sup>, 2017

## Symposium Interventions in the Ear: From inner ear biology to the therapy of hearing loss

Invited speakers cover the field of cochlear morphology, drug delivery, regeneration of the inner ear, bio-hybrid and active cochlear implants, middle ear implants and endolymph production and resorption.

Invited Speakers:

- Helge Rask-Andersen
- Dyan Ramekers
- Larry Lustig
- Stefan Heller
- Christine Petit
- Hinrich Staecker
- Jim Patrick
- Douglas Fitzpatrick
- Philine Wangemann
- Ad Snik
- Alex Huber
- Hubert Lim
- Daniel Lee

## Social Program

- The Welcome reception will be on Wednesday, Sept. 13<sup>th</sup>, 2017, Zoo (Meyers Hof)
- Science meets Art: On Thursday, Sept 14<sup>th</sup>, 2017, visits of Wilhelm Busch Museum and Leibniz Universität
- Congress Dinner will be on Friday, Sept. 15<sup>th</sup>, 2017, New Town Hall (Gartensaal)