

November 30, 2022. [Wednesday] 3:00 PM CET (9:00 am EST, 6:00 am PST)

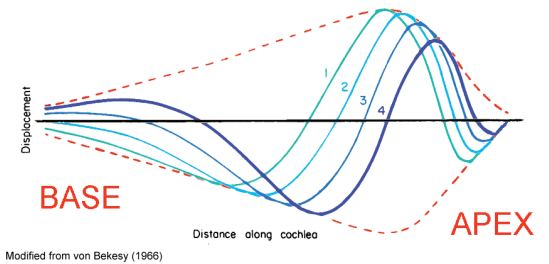
Physical location: HAS Main Building Conference room, Budapest, HUNGARY

Virtual location: <https://www.youtube.com/channel/UCwvmTYb1iERAdzswk2XLeOQ>

More info: <https://biophys.med.unideb.hu/en/bekesy-symposium>

# BÉKÉSY SYMPOSIUM

MECHANISMS OF HEARING ALONG THE FOOTSTEPS OF  
GEORG VON BÉKÉSY



- 15.00–15.05: INTRODUCTION  
György Panyi, M.D., PhD.; Miklós Kellermayer M.D., PhD. and Peter Dallos, PhD.
- 15.05–15.15: THE HERITAGE OF GEORG VON BÉKÉSY  
Mariann Békésy, M.D.
- 15.15–15.45: PRESTIN CONFORMATIONAL DYNAMICS AND THE MOLECULAR BASIS OF THE COCHLEAR AMPLIFIER  
Eduardo Perozo, Ph.D. (Professor, Biochemistry & Molecular Biology, Institute for Biophysical Dynamics; Pritzker Fellow, The University of Chicago)
- 15.45–16.15: MOLECULAR COMPOSITION OF THE MECHANOTRANSDUCTION CHANNEL COMPLEX OF COCHLEAR HAIR CELLS (online)  
Ulrich Mueller, Ph.D., (Bloomberg Professor of Neuroscience, Johns Hopkins University)
- 16.15–16.45: MECHANICAL GATING OF THE TMC1 TRANSDUCTION CHANNEL IN HAIR CELLS (online)  
David Corey, Ph.D. (Bertarelli Professor of Translational Medical Science, Harvard Medical School)
- 16.45–17.15: CRITICAL BEHAVIOR IN THE ACTIVE PROCESS OF COCHLEAR HAIR CELLS (online)  
James Hudspeth, MD., Ph.D. (E.M. Kirby Professor of Neuroscience, Rockefeller University)
- Break (coffee and finger food)
- 17.30–18.00: SENSITIVITY AND TUNING IN HAIR CELLS OF THE INNER EAR (online)  
Dolores Bozovic, Ph.D., (UCLA Center for Biological Physics)
- 18.00–18.30: SEEKING DRUG THERAPY FOR SENSORINEURAL HEARING LOSSES  
Tibor Zelles, M.D., Ph.D. (associate professor, Dept. Oral Biology and Dept. Pharmacology & Pharmacotherapy, Semmelweis University, Budapest;  
Laboratory of Molecular Pharmacology, Institute of Experimental Medicine, Budapest)
- 18.30–19.00: THE FIRST ARTIFICIAL SENSORY ORGAN - COCHLEAR IMPLANT  
József Géza Kiss, Ph.D. (professor of audiology, University of Szeged, Albert Szent-Györgyi Medical Center, Department of Otolaryngology and Head & Neck Surgery)
- 19.00–19.15: CONCLUSIONS AND CLOSING  
György Panyi, M.D., Ph.D. and Miklós Kellermayer, M.D., Ph.D.

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