

**AMERICAN OTOLOGICAL SOCIETY**  
**152<sup>nd</sup> Annual Meeting**  
**PRELIMINARY PROGRAM**  
**May 3-5, 2019**  
**JW Marriott Austin**  
**Austin, TX**

**SATURDAY, MAY 4, 2019**

**1:00 BUSINESS MEETING** (*New member introduction*)  
(*Members Only*)

**1:20 SCIENTIFIC PROGRAM**  
(*Open to registered Members and Non-members – Badge required for admittance*)

**1:20 WELCOME & OPENING REMARKS BY THE PRESIDENT**  
*Carol A. Bauer, MD*

**PRESIDENTIAL CITATIONS**

**1:30 GUEST OF HONOR LECTURE**  
**Age-related Hearing Loss: Translation from Animals Models to Human Hearing**  
*Judy R. Dubno, PhD*  
*Department of Otolaryngology-Head and Neck Surgery*  
*Medical University of South Carolina*

**1:55 INTRODUCTION**

**1:56 Effect of Vitamin D Deficiency and Rickets on Hearing Loss in Children**  
*Charmee H. Mehta, BSPH*  
*Michaela F. Close, BS*  
*James R. Dornhoffer, MD*  
*Yuan F. Liu, MD*  
*Shaun A. Nguyen, MD*  
*Teddy R. McRackan, MD, MSCR*  
*Ted A. Meyer, MD, PhD*

**2:03 Factors Influencing Duration of Hearing Loss Prior to Cochlear Implantation**  
*James R. Dornhoffer, MD*  
*Meredith Holcomb, AuD*  
*Ted A. Meyer, MD, PhD*  
*Judy R. Dubno, PhD*  
*Teddy R. McRackan, MD, MSCR*

**2:10 Systematic Review and Network Meta-analysis of Cognitive and/ or Behavioral Therapies (CBT) for Tinnitus**  
*Evie C. Landry, DSS, MD, MSc*  
*Calla N. Simeone, BA, MSc*  
*Xochitl Citlalli Romo Sandoval, BSc, MSc*  
*Brian D. Westerberg, MD, MHSc*  
*Jane Lea, BSc, MD*  
*Glynnis Tidball, BA, DipAL, MSc (Aud, SLP)*

**2:17 Effect of Malnutrition on Hearing Loss in Children**  
*Michaela F. Close, BS*  
*Charmee H. Mehta, BSPH*  
*James R. Dornhoffer, MD*  
*Yuan F. Liu, MD*  
*Shaun A. Nguyen MD*

*Teddy R. McRackan, MD, MSCR*

*Ted A. Meyer, MD, PhD*

**2:24 DISCUSSION**

**2:30 SAUMIL N. MERCHANT MEMORIAL LECTURE**

**Say What? Brief Periods of Hearing Loss during Early Development Can Have Consequences Later in Life**

*Daniel Tollin, PhD*

*Department of Physiology and Biophysics*

*University of Colorado School of Medicine*

**2:55 BREAK WITH EXHIBITORS**

**3:25 Polymorphisms in NLRP3 Inflammasome May Increase Host Susceptibility to Acquired Cholesteatoma**

*Neel R. Sangal, BA*

*Marcus Elias, BS*

*Biju Joseph, PhD*

*Luis Ulloa, PhD*

*Robert Jyung, MD*

**3:32 Change in Eustachian Tube Function with Balloon Dilation**

*Cuneyt M. Alper, MD*

*Miriam S. Teixeira, MD, PhD*

*Tanya J. Rath, MD*

*Denise Hall-Burton, MD*

*J. Douglas Swarts, PhD*

**3:39 Balloon Dilation for Eustachian Tube Dilatory Dysfunction in Children**

*Joonas Toivonen, MD*

*Kosuke Kawai, ScD*

*Dennis Poe, MD, PhD*

**3:46 Toll-like Receptor 4 Signaling and Downstream Neutrophilic Inflammation Mediate Endotoxemia-Enhanced Blood-Labyrinth Barrier Trafficking**

*Zachary D. Urdang, PhD*

*Jessica L. Bills, BS*

*David Y. Cahana, BS*

*Leslie M. Muldoon, PhD*

*Edward A. Neuwelt, MD*

**3:53 Quinolone Ear Drops Cause Perforations in Intact Rat Tympanic Membranes**

*Carolyn O. Dirain, PhD*

*David N. Karnani, BS*

*Patrick J. Antonelli, MD*

**4:00 DISCUSSION**

**4:05 PANEL**

**Pediatric Mild and Unilateral Hearing Loss: New Data**

*Karen J. Enright, MD, PhD, Moderator*

**5:00 DISCUSSION**

**5:10 CLOSING REMARKS/ADJOURNMENT**

**SUNDAY, MAY 5, 2019**

**7:00 BUSINESS MEETING** (*Committee/Treasurer Reports*)  
(*Members Only*)

**7:30 SCIENTIFIC PROGRAM**  
(*Open to registered Members and Non-members – Badge required for admittance*)

**7:30 WELCOME & OPENING REMARKS BY THE PRESIDENT**  
*Carol A. Bauer, MD*

**7:35 Results from a Second-Generation Vestibular Implant in Human Subjects: Diagnosis May Impact Electrical Sensitivity of Vestibular Afferents**

*Jay T. Rubinstein, MD, PhD*

*James O. Phillips, PhD*

*Leo Ling, PhD*

*Kaibao Nie, PhD*

*Amy Nowack*

**7:42 Vestibular End Organ Preservation in the Implanted Cochlea**

*Brooke M. Su, MD, MPH*

*Ivan A. Lopez, PhD*

*Gail Ishiyama, MD*

*Akira Ishiyama, MD*

**7:49 Neuropsychological Vertigo Inventory for Quantification of Cognitive Dysfunction in Dizzy Patients: Preliminary Results**

*Yuan F. Liu, MD*

*Taylor D. Locklear, BS*

*Jeffrey D. Sharon, MD*

*Shaun A. Nguyen, MD*

*Habib G. Rizk, MD*

**7:56 A Cohort Study Comparing Importance of Clinical Factors in Determining Diagnosis and Treatment for Superior Semicircular Canal Dehiscence Syndrome**

*Lisa Zhang, BS, BA*

*Francis X. Creighton Jr, MD*

*John P Carey, MD*

**8:03 The cVEMP as a Prognostic Tool for Development of Bilateral Meniere's Disease**

*Kimberley S. Noij, MD*

*Barbara S. Herrmann, PhD*

*John J. Guinan Jr., PhD*

*Steven D. Rauch, MD*

**8:10 Imaging is Not Indicated in the Investigation of Isolated Objective Vestibular Weakness**

*Deanna Gigliotti, MSc*

*Brian Blakley, MD*

*Paige Moore, MD*

*Jordan Hochman, MD*

**8:17 DISCUSSION**

**8:25 AOS CLINICIAN SCIENTIST AWARD PRESENTATION**  
**Hearing Loss and Dementia: Where Are We Now?**

*Richard K. Gurgel, MD*

*University of Utah*

- 8:40 Impact of Underlying Diagnosis on Speech and Quality of Life Outcomes after Cochlear Implantation for Single-Sided Deafness**  
*Tiffany Peng, MD*  
*Joshua J. Sturm, MD, PhD*  
*Abby Owen*  
*Megan Kuhlmeier, AuD*  
*Ilana P. Cellum, AuD*  
*Lawrence R. Lustig, MD*  
*Ana H. Kim, MD*
- 8:47 Prevalence of Xerostomia Among Cochlear Implant Recipients - A Cross-Sectional Survey**  
*Heather M. Weinreich, MD MPH*  
*Benjamin Ostrander, MSE*  
*Seth E. Pross, MD*  
*Howard W. Francis, MD, MBA*
- 8:54 Identifying Disadvantaged Groups for Cochlear Implantation: Demographics from a Large Cochlear Implant Program**  
*Natalie Schauwecker, BBA, BS*  
*Anthony M. Tolisano, MD*  
*Bethany Baumgart, AuD*  
*Johanna Whitson, AuD*  
*J. Walter Kutz, MD*  
*Brandon Isaacson, MD*  
*Jacob B. Hunter, MD*
- 9:01 Lateral Wall Electrodes Increase the Rate of Post-Activation Non-Auditory Percepts**  
*Adam C. Kaufman, MD, PhD*  
*James G. Naples, MD*  
*Douglas C. Bigelow, MD*  
*Steven J. Eliades, MD, PhD*  
*Hannah S. Kaufman, AuD*  
*Michael J. Ruckenstein, MD*
- 9:08 Cochlear Implantation with a Slim, Modiolar Array**  
*Jonathan L. McJunkin, MD*  
*Nedim Durakovic, MD*  
*Jacques Herzog, MD*  
*Cameron C. Wick, MD*  
*Craig A. Buchman, MD*
- 9:15 Controlled Microperforation of Human Round Window Membrane in Situ**  
*Harry Chiang, BA*  
*Michelle Yu, BS*  
*Wenbin Wang, MS*  
*Aykut Aksit, MS*  
*Miguel Arriaga, PhD*  
*Jeffrey W. Kysar, PhD*  
*Anil K. Lalwani, MD*
- 9:22 DISCUSSION**
- 9:28 COFFEE BREAK**

- 9:50 Regular Wave Patterns on Ambient Pressure Tympanometry in Patients with Pulsatile Tinnitus-associated Pathologies**  
*Anthony Thai, BA*  
*Zahra N. Sayyid, BS*  
*Davood K. Hosseini, MD*  
*Yifei Ma, MS*  
*Austin Swanson, AuD*  
*Matthew Fitzgerald, PhD*  
*Yona Vaisbuch, MD*
- 9:57 Assessment of Hearing-Aid Benefit through Patient-Reported Outcomes**  
*James R. Dornhoffer, MD*  
*Ted A. Meyer, MD, PhD*  
*Teddy R. McRackan, MD, MSCR*
- 10:04 Immune Response of Macrophage Population to Cochlear Implantation**  
*Kathryn Y. Noonan, MD*  
*Ivan Lopez, PhD*  
*Gail Ishiyama, MD*  
*Akira Ishiyama, MD*
- 10:11 The Future of Cochlear Implant**  
*Juichi Ito, MD, PhD*
- 10:18 Evaluation of Intracochlear Trauma with Manual and Robotic-assisted Cochlear Implant Insertion**  
*Christopher R. Kaufmann, MD*  
*Allan M. Henslee, PhD*  
*Marlan R. Hansen, MD*
- 10:25 Effect of Laser Stapedotomy on Intracochlear Pressure Measurements**  
*Emily S. Misch, MD*  
*Renee M. Banakis Hartl, MD, AuD*  
*Samuel P. Gubbels, MD*  
*Nathaniel T. Greene, PhD*
- 10:32 Utility of Perilymph microRNA Sampling for Identification of Active Gene Expression Pathways in Otosclerosis**  
*Helena Wichova, MD*  
*Matthew Shew, MD*  
*Hinrich Staecker, MD, PhD*
- 10:39 DISCUSSION**
- 10:50 PANEL**  
**Looking Through the rEARview Mirror: Unexpected Challenges in Endoscopic Ear Surgery**  
*Maura K. Cosetti, MD, Moderator*
- 11:50 DISCUSSION/COMMENTS**
- 12:00 INTRODUCTION OF INCOMING PRESIDENT**  
*John P. Carey, MD*
- 12:05 CLOSING REMARKS/ADJOURNMENT**