FRIDAY, MAY 20, 2016

1:00  **Business Meeting** *(AOS new member introduction/photo)*
     *(Members Only)*

1:30  **Scientific Program**
     *(Open to registered Members and Non-members – Badge required for admittance)*

1:30  **Welcome & Opening Remarks by the President**
     Debara L. Tucci, MD, MS, MBA

**Presidential Citations**

1:40  **GUEST OF HONOR LECTURE**
     “The Development of the Modern Cochlear Implant and the First Substantial Restoration of a Human Sense Using a Medical Intervention”
     Blake Wilson, PhD, DSc, DEng, Drmedhc (mult.)

2:18  **Moving Beyond GDP: Cost Effectiveness of Cochlear Implantation and Deaf Education in Latin America**
     Susan D. Emmett, MD, MPH
     Debara L. Tucci, MD, MBA
     Ricardo F. Bento, MD, PhD
     Juan M. Garcia, MD
     Solaiman Juman, FRCS
     Juan A. Chiossone-Kerdel, MD
     Ta J. Liu, MD
     Howard W. Francis, MD, MBA
     James E. Saunders, MD

2:26  **Implementation of Image-Guided Cochlear Implant Programming at a Distant Site**
     Theodore R. McRackan, MD
     Erik P. Wilkinson, MD
     Dawna M. Mills, AuD
     Jack H. Noble, PhD
     Rene H. Gifford, PhD
     Robert F. Labadie, MD, PhD
     Benoit M. Dawant, PhD

2:34  **Performance Plateau in Prelingually and Postlingually Deafened Adult Cochlear Implantees**
     Cristen Cusumano, BA
     David R. Friedmann, MD
     J. Thomas Roland, Jr., MD
     Susan B. Waltzman, PhD
2:42 DISCUSSION

2:45 BREAK WITH EXHIBITORS

3:15 Oligodendrocyte Migration and Myelination during the Formation of the Peripheral-Central Transitional Zone of the Postnatal Mouse Cochlear Nerve
Dennis Bojrab, II, MD
Baofu Zhang
Hui Jiang
Lei Zhang
Xin Deng
David S. Cohen, MD
Zhengqing Hu, MD, PhD

3:23 Cochlear Implantation in Patients with Intracochlear and Intralabyrinthine Schwannomas
Matthew L. Carlson, MD
Brian A. Neff, MD
Michael J. Link, MD
Colin L. W. Driscoll, MD

3:31 Minimizing Insertion Trauma with a Novel Shape Memory Polymer Cochlear Implant Array
Kenneth H. Lee, MD, PhD
Walter Voit, PhD
Radu Reit, BS
Roxanne Lee, BS
Tiffany Pham, BS
Hans Ajieren
Dongmei Shao, MD

3:39 Broad Spectrum Amplification with a Light Driven Hearing System
Bruce J. Gantz, MD
Rodney Perkins, MD
Michael T. Murray, MD
Suzanne Carr Levy, PhD
Sunil Puria, PhD

3:47 Steerable Robot Assisted Micro-Manipulation in the Middle Ear: Preliminary Feasibility Evaluation
Brendan P. O’Connell, MD
Haoran Yu, BS
Alejandro Rivas, MD
Jacob B. Hunter, MD
Rashid M. Yasin, MA
George B. Wanna, MD
Nabil Simaan, PhD

3:55 Preliminary Study of the Design of a Custom Middle Ear Prosthesis
Brandon Kamrava, BS
Jonathan Gerstenhaber, PhD
Yah-el Har-el, PhD
Pamela C. Roehm, MD, PhD
4:03 National Utilization and Forecasting of Ototopical Antibiotics Medicaid Data versus “Dr. Google”
Matthew G. Crowson, MD
Kristine Schulz, DrPH
Debara L. Tucci, MD, MS, MBA

4:11 DISCUSSION

4:15 PANEL – “Etiology of Cholesteatoma: Controversies and Implications for Treatment”
Sujana S. Chandrasekhar, MD - Moderator
Robert K. Jackler, MD
Richard A. Chole, MD, PhD
Dennis S. Poe, MD

5:00 ADJOURNMENT

5:30 COSM COMBINED POSTER RECEPTION-AOS, ANS, TRIO, ASPO

SATURDAY, MAY 21, 2016

7:00 Business Meeting/Committee Reports
(Members Only)

7:30 Scientific Program
(Open to registered Members and Non-members – Badge required for admittance)

7:30 Remarks by the President
Debara L. Tucci, MD, MS, MBA

7:35 Predictors of Individual Differences in Hearing-Aid Benefit for Speech Recognition
Theodore R. McRackan, MD
Ted A. Meyer, MD, PhD
William Clinkscales, BS
Judy R. Dubno, PhD

7:43 Analysis of 220 Cochlear Implants: Factors That Influence Intrascalar Electrode Translocation and Audiologic Outcomes
Brendan P. O’Connell, MD
Cakir Ahmet, MRes
Jacob B. Hunter, MD
Jack H. Noble, PhD
Alejandro Rivas, MD
Robert F. Labadie, MD PhD
Benoit M. Dawant, PhD
George B. Wanna, MD

7:51 Tip Fold Over In Cochlear Implantation
M. Geraldine Zuniga MD
Alejandro Rivas MD
Andrea Hedley-Williams, AuD
Rene H. Gifford, AuD, PhD
Robert Dwyer, AuD
Benoit Dawant, PhD
7:59  **Reduction of the Harmonic Series Influences Musical Enjoyment with Cochlear Implants**
John S. Nemer, BS, BA
Gavriel D. Kohlberg, MD
Dean M. Mancuso, AuD
Brianna M. Griffin, BS
Michael V. Certo, BFA, MM
Anil K. Lalwani, MD

8:07  **Flat-Panel CT for Cochlear Implant Electrode Imaging: Comparison to Multi-Detector CT**
Nathaniel Connell, MS
Tabassum Kennedy, MD
Timothy P. Szczykutowicz, PhD
Sebastian Schafer, PhD
Kevin Royalty, MS
Brian C. Gartrell, MD
Samuel P. Gubbels, MD

8:15  **Post Hybrid Cochlear Implant Hearing Loss and Endolymphatic Hydrops**
Akira Ishiyama, MD
Joni K. Doherty, MD, PhD
Alicia M. Quesnel, MD
Ivan Lopez, PhD
Fred H. Linthicum, MD

8:23  **DISCUSSION**

8:30  **SAUMIL NALIN MERCHANT MEMORIAL LECTURE**
“30 Years of Hair Cell Regeneration: Promising Progress or Pie in the Sky?”
Andy Groves, PhD

9:00  **Air-Bone Gaps Contribute to Functional Hearing Preservation in Cochlear Implantation**
Jameson K. Mattingly, MD
Kristen M. Uhler, PhD
Stephen P. Cass, MD, MPH

9:08  **Long Term Incidence and Degree of Sensorineural Hearing Loss in Otosclerosis**
Reuven Ishai, MD
Christopher Halpin, PhD
Michael J. McKenna, MD
Alicia M. Quesnel, MD

9:16  **How Often Does Stapedectomy for Otoclerosis Result in Endolymphatic Hydrops?**
Reuven Ishai, MD
Christopher Halpin, PhD
Michael J. McKenna, MD
Alicia M. Quesnel, MD

9:24  **SPECIAL INVITED LECTURE**
“Hearing Loss in Older Adults-A Public Health Perspective"
9:45  BREAK WITH EXHIBITORS

10:15  The Impact of Smoking on Ossiculoplasty Outcomes
       Matthew D. Cox, MD
       Shane R. Anderson, MBBS, FRACS
       J. Shep Russell, MD
       John L. Dornhoffer, MD

10:23  Appropriate Timing of Nuclear Imaging for Necrotizing Otitis Externa
       Graham T. Whitaker, MD
       Patrick J. Antonelli, MD
       Matthew R. O’Malley, MD

10:31  Anatomic Variations in Temporal Bones Affect the Intensity of Nystagmus during Warm Caloric Irrigation
       Aniruddha U. Patki, MD
       Ofri Ronen, MD
       David M. Kaylie, MD, MS
       Dennis O. Frank-Ito, PhD
       Erin G. Piker, PhD

10:39  Fluctuations in Vestibular Afferent Excitability in Meniere’s Disease
       Jay T. Rubinstein, MD, PhD
       James O. Phillips, PhD
       Kaibao Nie, PhD
       Christopher Phillips, BS
       Leo Ling, PhD

10:47  Vestibular Function is Impaired in Individuals with Dementia
       Aisha Harun, MD
       Robin Bigelow, BS
       Esther S. Oh, MD
       Yuri Agrawal, MD

10:55  DISCUSSION

11:00  PANEL – “Implantable Hearing Devices: The Economics of How, Why, and Who”
       Michael E. Hoffer, MD - Moderator
       Joni K. Doherty, MD, PhD
       Sumit Agrawal, MD
       Brian J. McKinnon, MD, MBA
       Craig A. Buchman, MD

12:00  INTRODUCTION OF INCOMING AOS PRESIDENT
       Samuel H. Selesnick, MD

12:05  CLOSING REMARKS/ADJOURNMENT

6:30  AOS PRESIDENT'S RECEPTION AND DINNER/DANCE (Members and Invited Guests Only)
Saturday, May 21, 2016

COMBINED ANS/AOS PANEL

4:00  “Current Controversies in Superior Canal Dehiscence Syndrome”

John P. Carey, MD - Moderator

Advantages of Middle Fossa Repair
Daniel J. Lee, MD

Advantages of Transmastoid Repair
Shakeel R. Saeed, MD, MBBS

Role of Round Window Reinforcement
Seilesh C. Babu, MD

Plugging, Resurfacing and Round Window Reinforcement: What Do These Procedures Do to Inner Ear Dynamics?
Hideko Heidi Nakajima, MD, PhD