

Sunday, August 27th, 2023

9:00-17:30 Family Tour

19:00-20:30 Welcome Reception at Grand Hall TSUBAKI 2

Dress code: Smart Casual

Monday, August 28th, 2023

8:00-8:20 **Opening Ceremony**

Welcome by General Secretary

Antti A. Mäkitie (*Helsinki*)

Welcome by Local Organizing Faculty

Tatsuya Yamasoba (*Tokyo*)

8:20-9:00 **Opening Lecture**

Chairs: Kaoru Ogawa (*Tokyo*)

Karen B. Avraham (*Tel Aviv*)

1 **The Japanese Archipelago-Global Warming, Natural Disasters and Mt. Fuji**
Kimitaka Kaga (*Tokyo*)

2 **The Origin of the Japanese from the Perspective of Deafness Genes**
Shin-ichi Usami (*Matsumoto*)

9:00-10:40 **Scientific Oral Session 1**

Audiology

Chairs: Tatsuo Matsunaga (*Tokyo*)

Bernard Fraysse (*Toulouse*)

3 **Precision Medicine and Gene Therapy for Deafness**
Karen B. Avraham (*Tel Aviv*)

4 **Genetic Factors Contribute to the Phenotypic Variability in GJB2-Related Hearing Impairment**
Chen-Chi Wu (*NEW MEMBER, Taipei*)

5 **Memory Assessment in Older Adults Attending NHS Hearing Aid Appointments: A Feasibility Study**
Anne GM Schilder (*London*)

6 **Evaluation of Hearing Aid Outcomes with Big Data**
Bernard Fraysse (*Toulouse*)

7 **Rehabilitating Music Enjoyment Using Hearing Aids in the Hard-of-Hearing Elderly Population**
Anil K Lalwani (*New York*)

8 **Chirp Stimuli Evoke Larger Amplitude Binaural Interaction Components of the Auditory Brainstem Response**
Daniel J Tollin (*Aurora*)

9 **Objective and Accurate Evaluation of the Functional State of the Human Cochlear Amplifier with Clinically Realistic Measuring Times**

Anthony W. Gummer (*Tuebingen*)

10 **The Otology Questionnaire Amsterdam in the Netherlands**

Paul Merkus (*NEW MEMBER, Amsterdam*)

10:40-11:00 **Coffee Break**

11:00-12:00 **Scientific Poster Tour 1**

Otology 1

Chairs: Juichi Ito (*Kyoto*)
Martin Kompis (*Bern*)

11 **Invasive Cholesteatoma: Definition and Surgical Specific Management**

Schmerber Sebastien (*Grenoble*)

12 **Surgery for Otitis Media in Indigenous Children Living in Remote Australian Communities: Outcomes of a Randomised Control Trial**

Stephen O'Leary (*Melbourne*)

13 **Silicone Plug Surgery for Patulous Eustachian Tube**

Ryokichi Ikeda (*GUEST, Morioka*)

14 **Cochlear Implantation in Patients with Advanced Otosclerosis**

Piotr Henryk Skarzynski (*Warsaw*)

15 **A Totally Implantable Cochlear Implant Shows Potential Benefits for Adults with Hearing Loss**

Philippe Lefebvre (*Liege*)

16 **Swiss Cochlear Implant Database: Retrospective Comparison Between Bilateral and Bimodal Hearing**

Christof Stieger (*Basel*)

17 **Prediction of the T-Level for a Cochlear Implant Using Machine Learning Techniques**

Akinori Kashio (*GUEST, Tokyo*)

18 **Performance with a New Bone Conduction Implant Audio Processor in Patients with Single-Sided Deafness**

Martin Kompis (*Bern*)

12:00-12:20 **Group Photo *Meet up at the Registration Area.**

12:20-13:20 **Lunch**

13:20-13:40 **Seminar 1**

Chair: Tatsuya Yamasoba (*Tokyo*)

19 **Development of Auxiliary Technology to Facilitate the Benefit of Cochlear Implant and Hearing Aids**

Seung-Ha Oh (*Seoul*)

13:40-15:40 **Scientific Oral Session 2**

Head and Neck 1

Chairs: Hidenori Inohara (*Suita*)

Barbara Wollenberg (*Munich*)

20 **Granular Stratification of Oropharyngeal Cancer Patients Using Regular H&E Stains**

Jens Peter Klussmann (*Cologne*)

21 **Liquid Biopsies with Circulating Plasma HPV-DNA Measurements - A Clinically Applicable Surveillance Tool for HPV-Positive Oropharyngeal Cancer Patients**

Christian Gronhoj (*NEW MEMBER, Copenhagen*)

22 **Solving the 16/HPV DNA-RNA Discordance Conundrum - The Power of International Collaboration!**

Hisham Mehanna (*Birmingham*)

23 **Prognostic Value of HPV and p16 in Non-Tonsillar and Non-Base of Tongue Carcinoma, Concerns in Relation to TNM 8**

Linda Marklund (*Stockholm*)

24 **Dynamic Crosstalk Between HNSCC Patient-Derived Exosomes and NK Cells**

Barbara Wollenberg (*Munich*)

25 **New Proposal of Surgical Technique: Robotic Supracricoid Partial Laryngectomy Combined with/without Neck Dissection Via Extended Tracheostomy Incision**

Yoon Woo Koh (*Seoul*)

26 **Simultaneous Transcranial and Transnasal Surgery for Malignant Tumors of the Anterior Skull Base**

Mizuo Ando (*NEW MEMBER, Okayama*)

27 **Genetic Variants in Patients with Carotid Body Tumors**

Hiroyuki Ozawa (*NEW MEMBER, Tokyo*)

28 **Patterns of Nodal Metastases and Pre-Operative Imaging Correlation in Head and Neck Melanoma**

David Goldstein (*NEW MEMBER, Toronto*)

15:40-16:00 **Coffee Break**

16:00-16:50 **Scientific Poster Tour 2**

Hearing Loss and Tinnitus

Chairs: Tadashi Kitahara (*Nara*)
Anil K Lalwani (*New York*)

29 **Overlooked KCNQ4 Variants Augment the Risk of Hearing Loss**

Jae Young Choi (*Seoul*)

30 **Genetic Approach to Improve Clinical Practice for Patients with Hearing Loss Associated with Eye Disorders in Japan**

Tatsuo Matsunaga (*Tokyo*)

31 **Clinical Manifestations and Treatment Outcomes of Sudden Sensorineural Hearing Loss**

Jong Woo Chung (*Seoul*)

32 **Emerging Triple Network Theory Explaining the Pathogenesis of Tinnitus and Musical Hallucination in Subjects with Hearing Loss**

Jae-Jin Song (*GUEST, Seoul*)

33 **Trinity in Cochlear Implantation: Day Surgery, Conscious Sedation & Same-Day Fitting**

Abdulrahman Hagr (*Riyadh*)

34 **The Assessment of Otology/Neurotology Functions in Patients with Vertigo/Dizziness After Sudden Sensorineural Hearing Loss**

Masaharu Sakagami (*GUEST, Kashihara*)

16:50-17:50 **General Assembly**

17:50-18:20 **Bus Departure to Cultural Evening**

19:00-21:00 **Cultural Evening at Gajoen**

Dress cord: Smart Casual without a Tie

Tuesday, August 29th, 2023

8:00-9:30 Scientific Oral Session 3

Hearing Implant

Chairs: Yasushi Naito (*Kobe*)
Bruce Gantz (*Iowa*)

- 35 The Fully-Implantable Esteem Device After 15 Years of Experience**
Maurizio Barbara (*Rome*)
- 36 Did Our Cochlear Implant Program Make Any Significant Difference in the Lives of Our Patients? Experiences of 50 Patients with Long Term Follow Ups from 10 to 25 Years After Implantation**
Marcos Goycoolea (*Santiago*)
- 37 Safety and Speech Developmental Advantage of Early Cochlear Implantation at 9 Months of Age or Earlier**
Byung Yoon Choi (*NEW MEMBER, Seongnam*)
- 38 Intraoperative Electrical Measurements of the Cochlear Implant - Studying the Spread of Electric Field and Excitation**
Saku T Sinkkonen (*NEW MEMBER, Helsinki*)
- 39 Preservation of Functional Residual Hearing Comparing Manual and Robotic Insertion of Cochlear Implants**
Bruce Gantz (*Iowa*)
- 40 Robotic Cochlea Implantation: Total or Partial Surgical Procedure?**
Marco Domenico Caversaccio (*Bern*)
- 41 Inner Ear Drug Delivery and Cochlear Implantation in Pigs as a Representative Large Animal Model for Inner Ear Research**
Christoph Arnoldner (*Vienna*)

9:30-9:50 Coffee Break

9:50-11:00 Scientific Poster Tour 3

Otology Basic Research

Chairs: Allen F. Ryan (*California*)
Stephen O'Leary (*Melbourne*)

- 42 A 3D-Printed Micro-Scaffold Cochlear Electrode Array for Steroid Elution**
Jeonghun Jang (*GUEST, Suwon*)
- 43 Long Term Behavior of Dexamethasone-Loaded Cochlear Implants: *In Vitro* & *In Vivo***
Christophe Vincent (*Lille*)

- 44 **Zwitterionic Thin Film Coating of Cochlear Implant Biomaterials Reduce Friction, Biofouling, Fibrosis, and Electrode Impedances**
Marlan R Hansen (*Iowa City*)
- 45 **Local Drug Delivery with Cannula Along with Dexamethasone Eluting Electrode Promotes Preservation of Residual Hearing in a Preclinical Animal Model**
Adrien A Eshraghi (*Miami*)
- 46 **Patterns of Neural Plasticity in Subjects with Single-Sided Deafness Before and After Cochlear Implantation**
Tobias Kleinjung (*Zurich*)
- 47 **Identification of Immune-Related Candidate Biomarkers in Plasma of Patients with Sporadic Vestibular Schwannoma**
Konstantina M Stankovic (*Stanford*)
- 48 **Regeneration of Cochlea by Cell Transplantation**
Juichi Ito (*Kyoto*)
- 49 **Optical Coherence Tomography for Imaging Endolymphatic Hydrops in Mice and in Humans**
John S. Oghalai (*Los Angeles*)
- 50 **Numerical Analysis of Vestibular Specimens with Optical Clearing Methods**
Teru Kamogashira (*GUEST, Tokyo*)
- 51 **Contralateral Spreading of Substances Following Intratympanic Nanoparticle-Conjugated Gentamicin Injection in a Rat Model**
Ja-Won Koo (*Seoul*)

11:00-12:10 **Scientific Oral Session 4**

Neurotology

Chairs: Yi-Ho Young (*New Taipei*)
Matti Anniko (*Uppsala*)

- 52 **Vestibular Implants: From the Concept to the Clinical Application**
Angelica Perez Fornos (*NEW MEMBER, Geneva*)
- 53 **Hydropic MR Imaging: An Additional Biomarker for Diagnosing Delayed Endolymphatic Hydrops**
Yi-Ho Young (*New Taipei*)
- 54 **Assessment of Semicircular Canal Function in BPPV Using vHIT and Caloric Test**
Shinichi Iwasaki (*Nagoya*)
- 55 **Therapy of Small Vestibular Schwannoma. An Ongoing-Debated Issue**
Elisabetta Zanoletti (*NEW MEMBER, Padova*)

56

Missense and Frameshift Mutations in TECTA Gene Associated with Familial and Sporadic Meniere Disease

Jose A. Lopez-Escamez (*Sydney*)

12:10-13:10 **Lunch**

13:10-13:30 **Seminar 2**

Chair: Shin-ichi Usami (*Matsumoto*)

57

Future Perspectives of Hearing Implants

Wolf Dieter Baumgartner (*Vienna*)

13:30-14:30 **Scientific Oral Session 5**

Rhinology

Chairs: Christian von Buchwald (*Copenhagen*)

Te-Huei Yeh (*Taipei*)

58

Development of Computational Fluid Dynamics Methodology for Characterization of Exhalation Delivery System Performance in a Nasal Airway with Draf-III Surgery

Per G Djupesland (*Oslo*)

59

Revision of Endoscopic Sinus Surgery in Adults: A Population-Based Study in Taiwan

Te-Huei Yeh (*Taipei*)

60

Influence of ESS Radicality on Dupilumab Effectiveness in Severe Uncontrolled CRSwNP Patients: A Multicentric Study

Matteo Alicandri-Ciufelli (*Modena*)

61

Withdrawn

62

Olfaction and Molecular Biomarkers in Concha Biopsies from Patients with and Without COVID-19

Preben Homoe (*Koegel*)

14:30-15:40 **Scientific Poster Tour 4**

Oropharynx and Head and Neck

Chairs: Akihiro Shiotani (*Tokorozawa*)
Wei-Chung Hsu (*Taipei*)

- 63 **Upper Airway Analysis in Obstructive Sleep Apnea Children by Three-Dimensional Cone-Beam Computed Tomography**
Wei-Chung Hsu (*Taipei*)
- 64 **Neural Activity Elicited by Similiar, Yet Chemically Different Savory Liquids and Its Implication on Sodium Intake**
Antje Welge-Luessen (*Basel*)
- 65 **Regulation of Glycolysis by Hypoxia-Inducible Factor (HIF) in the Tissue Stem Cells of Human Vocal Fold**
Kiminori Sato (*GUEST, Kurume*)
- 66 **The Impact of COVID on Employment in a Physician Practice**
Bevan Yueh (*Minneapolis*)
- 67 **Intraoperative Fluorescence Imaging for *Ex Vivo* Assessment of Deep Margins in Head and Neck Squamous Cell Carcinoma**
Naoki Nishio (*GUEST, Nagoya*)
- 68 **Squamous Cell Carcinoma of the Temporal Bone: Consequences of Local Recurrence on Survival**
Romain E Kania (*Paris*)
- 69 **Genetic Intratumor Heterogeneity and the Implication for Targeted Therapy in Head and Neck Cancer**
Jacob H Rasmussen (*GUEST, Copenhagen*)
- 70 **Interpretable Machine Learning Model for Overall Survival Risk Stratification in Laryngeal Cancer**
Antti A. Mäkitie (*Helsinki*)
- 71 **Validation and Comparison of Prognostic Scoring Systems for Patients with Head and Neck Squamous Cell Carcinoma Treated with Nivolumab**
Yukinori Takenaka (*GUEST, Suita*)

15:40-16:00 **Coffee Break**

16:00-16:20 **Seminar 3**

Chair: Shigeharu Fujieda (*Fukui*)

- 72 **Eosinophilic Chronic Rhinosinusitis: Clinical and Research Progress in Japan**
Kenji Kondo (*Tokyo*)

16:20-16:50 **Keynote Lecture**

Chairs: Tatsuya Yamasoba (*Tokyo*)
P. Ashley Wackym (*New Jersey*)

73 **Aging and Reverse Aging**

Kazuo Tsubota (*Tokyo*)

16:50-18:10 **Symposium 1**

Aging

Chairs: Tatsuya Yamasoba (*Tokyo*)
P. Ashley Wackym (*New Jersey*)

74 **The Effect of Age on Pure Tone Threshold and Speech Perception**

Koichiro Wasano (*GUEST, Isehara*)

75 **Metabolic and Sensory Components of Age-Related Hearing Loss**

Judy R. Dubno (*Charleston, SC*)

76 **Speech Control in Healthy Aging**

Kristina Simonyan (*Boston*)

77 **Head and Neck Cancer in the Elderly, the Treatment Outcome and Prognosticators**

Sheng-Po Hao (*Taipei*)

19:00-21:00 **Members' and Accompanying Persons' Dinner at Kocho and Ruri, Hotel Chinzanso Tokyo**

Dress code: Formal

Wednesday, August 30th, 2023

8:00-9:30 **Scientific Oral Session 6**

Oropharynx and Larynx

Chairs: Eiji Yumoto (*Kumamoto*)
Seong Keun Kwon (*Seoul*)

- 78 **Intraoperative Computed Tomography Imaging for Laryngoplasty**
Ichiro Tateya (*Toyoake*)
- 79 **Vocal Folds Rejuvenation Using Basic Fibroblast Growth Factor-Loaded Pyrogallol-Based Self-Crosslinking Carboxymethyl Cellulose Hydrogel in Aged Rats**
Seong Keun Kwon (*Seoul*)
- 80 **The Role of Extracellular Signal-Regulated Kinase in Tracheal Stenosis**
Taku Yamashita (*Sagamihara*)
- 81 **Association of Acid Laryngopharyngeal Reflux and Mulberry Posterior Inferior Nasal Turbinate Hypertrophy**
Miroslav Tedla (*NEW MEMBER, Bratislava*)
- 82 **Oropharyngeal 24-Hour pH Monitoring in Children with Airway-Related Problems**
Tamer Mesallam (*Riyad*)
- 83 **Transoral Videolaryngoscopic Surgery (TOVS) for Laryngopharyngeal Cancer**
Kosuke Uno (*GUEST, Tokorozawa*)
- 84 **Real-Time Detection of Sleep Apnea Based on Breathing Sound and Prediction Reinforcement Using Home Noises**
Jeong-Whun Kim (*Seongnam*)

9:30-9:50 **Coffee Break**

9:50-11:10 **Scientific Oral Session 7**

Inner Ear Basic Research 1

Chairs: Ken Kitamura (*Yokohama*)
Rick Adam Friedman (*La Jolla*)

- 85 **Advancing Biological Treatment of Hearing Loss: Insights from Animal Models and Gene Therapy**
Aziz El-Amraoui (*Paris*)
- 86 **Preclinical Development of AK-OTOF, an Investigational Genetic Medicine for Otoferlin Gene-Mediated Hearing Loss**
Michael J. McKenna (*Boston*)

87 mTORC2 Regulates Auditory Hair Cell Structure and FunctionDaniel Kurt Bodmer (*Basel*)**88 Cisplatin-Induced Hair Cell Damage in Mouse Cochlea Largely Depends on the Presence of Sensory Mechanoelectrical Transduction Channels Both *Ex Vivo* and *In Vivo***Ayako Maruyama (*GUEST, Tokyo*)**89 FHOD3 is a Novel Forming-Like Gene Required for Stereociliary Maintenance**Rick Adam Friedman (*La Jolla*)**90 The Interplay Between Sensory and Cognitive Neurodegeneration: Cochlear Vulnerability to Noise Exposure in a Model of Alzheimer's Disease**Anna R Fetoni (*Naples*)**11:10-12:20 Scientific Oral Session 8****Inner Ear Basic Research 2**Chairs: Philippe Lefebvre (*Liege*)Konstantina M Stankovic (*Stanford*)**91 The Mechanisms of GABAergic Homeostatic Plasticity After Noise-Induced Hearing Loss**Arnaud Jean Norena (*Marseille*)**92 The Effect of Constant Light on the Murine Model of Noise-Induced Hearing Loss**Chao-Hui Yang (*GUEST, Kaohsiung*)**93 Third Window Syndrome: Model of Superior Semicircular Canal Dehiscence-Induced Impaired Decision-Making**Todd M. Mowery (*GUEST, New Jersey*)**94 Single-Cell Transcriptomic Atlas of Inner Ear from Organ Donors and Vestibular Schwannoma Patients**Alan Cheng (*NEW MEMBER, Palo Alto*)**95 In Silico Analysis of Inner Ear Development Using Public Whole Embryonic Body Single-Cell RNA-Sequencing Data**Norio Yamamoto (*NEW MEMBER, Kobe*)**12:20-13:20 Lunch**

13:20-13:40 **Seminar 4**

Chair: Tatsuya Yamasoba (*Tokyo*)

96 **Prognostic Factors (SNPs) of Tinnitus Patients and Its Treatment**

Sho Kanzaki (*Tokyo*)

13:40-15:00 **Symposium 2**

Regeneration and Reconstruction

Chairs: Koichi Omori (*Kyoto*)

J. Marcos Goycoolea Vial (*Santiago*)

97 **Innovative Treatment for Middle Ear Mucosal Regeneration by Cell Sheet Transplantation**

Kazuhisa Yamamoto (*GUEST, Tokyo*)

98 **Stepwise Approach for the Reconstruction of Saddle Nose Deformity**

Chae-Seo Rhee (*Seoul*)

99 **Regenerative Medicine and Research for Airway Organs**

Koichi Omori (*Kyoto*)

100 **Complex Algorithms for Mandibular Reconstruction**

Eben Rosenthal (*Nashville*)

15:00-15:20 **Coffee Break**

15:20-16:30 **Scientific Oral Session 9**

Head and Neck 2

Chairs: Lars-Olaf Cardell (*Stockholm*)

Cherie-Ann O Nathan (*Shreveport*)

101 **Effectiveness and Safety of Mesenchymal Stem/Stromal Cell for Radiation-Induced Hyposalivation and Xerostomia in Previous Head and Neck Cancer Patients - MESRIX**

Kathrine Kronberg Jakobsen (*GUEST, Copenhagen*)

102 **Discrete Combination Treatment Modality of Anti-PD-1-Based Therapy with Doxorubicin Prodrug Accelerated Antitumor Effect in Murine Head and Neck Squamous Cancer Cell Lines**

Yoon Se Lee (*NEW MEMBER, Seoul*)

103 **The Implications of Microbiome Differences in Head and Neck Squamous Cell Carcinoma (HNSCC)**

Tomasz Zatonski (*Wroclaw*)

104 Head and Neck Cancer Organoids: The Next Frontier in Cancer Screening and Therapeutics

Maie A. St. John (*California*)

105 Rapalogs for Treatment for TP53 HNSCC: Are We There yet?

Cherie-Ann O Nathan (*Shreveport*)

16:30-17:40 Scientific Oral Session 10

Otology 2

Chairs: Takashi Nakagawa (*Fukuoka*)

Antti A. Aarnisalo (*Helsinki*)

106 Treatment of Dilatory Eustachian Tube Dysfunction: From Balloon Dilation to Absorbable Stent

Hong Ju Park (*Seoul*)

107 Innovative Techniques for Improving Transcanal Endoscopic Ear Surgery: A Robotic System and Deep Learning-Based Surgical Tool Segmentation

Takeshi Fujita (*GUEST, Kobe*)

108 The Advantage of Applying an Endoscope in the Lateral Skull Base Surgery

Noritaka Komune (*GUEST, Fukuoka*)

109 Transconchal Access to the Mastoid and Posterior Cranial Fossa

Michael Tong (*Hong Kong SAR*)

110 Watchful Waiting - Twenty Years Experience from Sweden

Ann Hermansson (*Lund*)

19:00-21:00 Gala at Ballroom, Hotel Chinzanso Tokyo

Dress code: Formal, Black Tie