

**Monday August 26, 2019**

08:00 – 08:45	<p><b>Opening Ceremony</b></p> <p>Welcome by General Secretary (5-8 min)  Welcome by Mayor of the city of Bern (5 min)  Welcome by Local Organizing Faculty (5-10 min)  Acta Prize delivered by Matti Anniko (2-3 min)</p> <p><b>Guest lecture:</b>  <b>Prof. em. A. Pfiffner, Bern:</b> Landscapes around Bern and the Bernese Alps: their beauty and geological background" (20 min)</p>
08:45 - 10:15	<p><b>Minisymposium 1</b></p> <p><b>ENT research in Switzerland: between otology and robotic surgery</b>  Chairs: Martin Kompis (Bern, CH), Norbert Dillier (Zürich, CH)</p> <p><b>01. <u>Thomas Linder</u></b> (Lucerne) Quality control in otologic surgery or how to stop the comparison between apples and oranges</p> <p><b>02. <u>Pascal Senn</u></b> (Geneva) Molecular pathomechanisms and possible interventions to prevent presbycusis</p> <p><b>03. <u>Daniel Bodmer</u></b> (Basel) Sensorineural hearing loss: from bench to bedside</p> <p><b>04. <u>Tobias Kleinjung</u></b> (Zürich) Cochlear implantation in single-sided deafness: clinical and functional neuroimaging results of a Swiss multicenter study</p> <p><b>05. <u>Marco Caversaccio</u></b> (Bern) Robotic cochlear implantation: first in man trial</p> <p><b>06. <u>Christian Simon</u></b> (Lausanne) Clonal substitution and loss of heterogeneity is a hallmark of local recurrences in a surgical model of head and neck cancer</p> <p><b>07. <u>Sandro Stöckli</u></b> (St. Gallen) The human palatine tonsil microbiome in HPV-associated oropharyngeal squamous cell carcinoma</p>
10:15 - 11:15	<p><b>Scientific poster tour 1</b></p> <p>Chairs: D. Bradley Welling (Boston, USA), Wollenberg, Barbara (Lübeck, D)  Note: Coffee served during this session in a different part of the same hall</p> <p><b>08. <u>Ja-Won Koo</u></b> (Seongnam) Superior Canal Function after Surgical Plugging in Superior Canal Dehiscence Syndrome: Comparative Study with MRI finding</p> <p><b>09. <u>Iwasaki Shinichi</u></b> (Tokyo) Ameliorating effect of noisy galvanic vestibular stimulation on postural stability is greater in originally more unstable subjects</p> <p><b>10. <u>Yi-Ho Young</u></b> (Taipei) A novel test for assessing the cervico-ocular reflex system</p> <p><b>11. <u>Sung Huhn Kim</u></b> (Guest, Yonsei) Hypergravity stimulation deteriorates vestibular function in mouse with selective ablation of p2rx2</p> <p><b>12. <u>John Allum</u></b> (Basel) What can vertical canal video head impulse test (vHIT) responses reveal about balance control after an acute unilateral peripheral vestibular deficit?</p> <p><b>13. <u>Rick Friedman</u></b> (San Diego) Susceptibility to Cisplatin Induced Hearing Loss in Mice within the Hybrid Mouse Diversity Panel</p>

**14. Hubert Löwenheim** (Tübingen) Presence of a niche of stem or progenitor cells in the adult human organ of Corti

**15. Didier Dulon** (Bordeaux) Age-related structural changes at auditory hair-cell ribbon synapses: the role of cadherin23 and otoferlin

**16. Juan C Maass** (Guest, Santiago) Nr4a3 expression modification for protecting the inner ear

**17. Sho Kanzaki** (Tokyo) Development of intra-operative assessment system for ossicular mobility and middle ear transfer function

**18. Hamlet Suarez** (Montevideo) Postural Motor Control Adaptation in Cochlear Implant Users. Characterization through a theoretical model.

**19. Romain Kania** (Paris) Bacterial biofilm in adenoids of children with chronic otitis media. Part II: a case control study of nasopharyngeal microbiota, virulence and resistance of biofilms in adenoids

11:15 – 12:15

### **Scientific poster tour 2**

Chairs: Hubert Löwenheim (Tübingen, D), Hamlet Suarez (Montevideo, Uruguay)

**20. Shin-ichi Usami** (Matsumoto) Hearing preservation cochlear implant surgery based on genetic testing

**21. Seung-Ha Oh** (Seoul) Clinical implication of Electrically Evoked Auditory Brainstem Response in Pediatric Cochlear Implantees with Cochlear Nerve Deficiency

**22. Martin Kompis** (Bern) Influence of maximum power output on speech understanding with bone conduction hearing devices

**23. Stefan Plontke** (Halle) Update on management of intralabyrinthine schwannomas including subtotal cochleoectomy and hearing rehabilitation with cochlear implants

**24. Andrew Oxenham** (Minneapolis) Different constraints for coding speech and music via cochlear implants

**25. Adrien Eshraghi** (Miami) Effect of L-N-acetylcysteine and Dexamethasone in an in vitro model of cochlear implant electrode insertion trauma

**26. Johan Frijns** (Leiden) Translocation Detection for the HiFocus Mid-Scala Electrode Array through Intraoperative Electrical Field Imaging

**27. Thomas Van De Water** (Miami) Laminin-coated electrodes improve cochlear implant performance and survival of auditory neurons

**28. Piotr H. Skarzynski** (Warsaw) Preservation of hearing in patients with partial deafness following cochlear implantation using different regimes of corticosteroids therapy with different electrodes

**29. Marcos Goycoolea** (Santiago) Clinical performance of the Osia system, a new Active Osseointegrated Steady-State Implant system. Results from a prospective clinical investigation.

**30. Te-Huei Yeh** (Taipei) Influenza A virus infection induces indoleamine 2,3-dioxygenase (IDO) expression and modulates subsequent inflammatory mediators in nasal epithelial cells

**31. Shigeharu Fujieda** (Fukui City) Increased expression of L-plastin in nasal polyp of patients with aspirin-exacerbated respiratory disease

12:15 – 12:30	<b>Group photo</b>
12:30 – 13:30 h	<b>Lunch break</b>
13:30 – 14:00	<b>Keynote lecture 1</b>
	<b>32. <u>Barbara Wollenberg</u></b> (Lübeck) Platelet driven cancer progression Chair: Matti Anniko (S)
14:00 – 15:30	<b>Scientific session 1: Rhinology</b>
	Chairs: Per Djupesland (Oslo, N), Antje Welge-Lüssen (Basel, CH)
	<b>33. <u>Tatsuya Yamasoba</u></b> (Tokyo) Long-term exercise and caloric restriction are beneficial to prevent age-related hearing loss but not olfactory impairment
	<b>34. <u>Johan Hellgren</u></b> (Gothenburg) Intranasal budesonide and quality of life in pediatric sleep-disordered breathing – a randomized controlled trial
	<b>35. <u>Alkis Psaltis</u></b> (New member, Adelaide) The international sinonasal microbiome study (ISMS): a multi-centre international characterization of sinonasal bacterial ecology
	<b>36. <u>Regie Santos-Cortez</u></b> (New member, Aurora) Otitis Media Susceptibility and Changes in the Head and Neck Microbiome due to Genetic Variants
	<b>37. <u>Kenji Kondo</u></b> (New member, Tokyo) Influence of the location of nasal polyps on olfactory airflow and olfaction
	<b>38. <u>Per Djupesland</u></b> (Oslo) Nasal and sinus deposition in Draf II/III post-surgical anatomy with drug delivery by exhalation delivery system (EDS) versus standard nasal spray and irrigation
	<b>39. <u>Ivica Klapan</u></b> (Zagreb) What is the future of minimally invasive ENT surgery: augmented reality in the operating room, 3D-surgical planner with remote visualization or computer assisted navigation with contactless hand-gesture non-invasive surgery based on the development of swarm intelligence applications?
15:30 – 16:00	<b>Coffee break and poster viewing (presenters present)</b>
16:00 - 17:00	<b>General Assembly</b>
18:00 – 19:00 h	<b>Transfer to Gurtenbahn</b>
19:00 – 22:30 h	<b>Cocktail &amp; Dinner, Gurten</b>
23:00 – 23:30 h	<b>Transfer to Hotel</b>

**Tuesday August 27, 2019**

08:00 – 09:00	<b>Scientific session 2: Treatment of tinnitus</b>
	<p>Chairs: Olivier Sterkers (Paris, F), Tobias Kleinjung (Zurich, CH)</p> <p><b>40. Charles Liberman</b> (Boston) Primary neural degeneration in the aging and noise-exposed human cochlea – a key elicitor of tinnitus?</p> <p><b>41. Arnaud Norena</b> (New member, Marseille) Possible contribution of middle ear and trigeminal innervation in some forms of tinnitus and hyperacusis</p> <p><b>42. Pim van Dijk</b> (Groningen) Tonotopic maps of the human auditory cortex in tinnitus and hearing loss</p> <p><b>43. Jukka Ylikoski</b> (Helsinki) New treatment for tinnitus-related mental stress: mindfulness-based stress management, MBSM.</p> <p><b>44. René Dauman</b> (Bordeaux) Alleviating frustration in patients with persisting tinnitus</p>
09:00 – 09:30	<b>Keynote lecture 2</b>
	<p><b>45. Patrice Tran Ba Huy</b> (Paris) Listening to music Chair: Anne Schilder (London, UK)</p>
09:30 – 10:00	<b>Coffee break</b>
10:00 – 11:00	<b>Scientific poster tour 3</b>
	<p>Chairs: Stephen O'Leary (Melbourne, AUS), Carol R. Bradford (Ann Arbor, USA)</p> <p><b>46. Juan A. Chiosoone-Kerdel</b> (Caracas) Transient hyperacusis after hearing deprivation in normal-hearing subjects</p> <p><b>47. Hong Ju Park</b> (Guest, Seoul) Clinical utility of machine learning techniques and cortical changes in auditory and associated cortices for the prediction of cochlear implant performance in postlingually deaf adults</p> <p><b>48. Barbara Maurizio</b> (Rome) Severe-to-profound SNHL: Any place for an active middle ear implant?</p> <p><b>49. Anne Schilder</b> (London) Preparing for Novel Hearing Therapeutics by Early Health Economic Modelling</p> <p><b>50. Bee-See Goh</b> (Kuala Lumpur) Knowledge, Attitude and Practice towards Childhood Hearing Loss among Malaysian Medical Practitioners at Health Clinics of Klang Valley</p> <p><b>51. Stephen O'Leary</b> (Melbourne) Electrode impedance fluctuations coincide with post-operative hearing loss and vertigo in cochlear implant patients</p> <p><b>52. Yun-Hoon Choung</b> (Suwon) Lactate dehydrogenase B is a potential biomarker for age-related hearing loss</p> <p><b>53. Hinrich Staecker</b> (Kansas City) microRNA profiling in the human inner ear perilymph</p> <p><b>54. Kaoru Ogawa</b> (Tokyo) Expression pattern of EYA4 in the common marmoset (<i>Callithrix jacchus</i>) cochlea</p>

	<p><b>55. <u>Yuri Agrawal</u></b> (Guest, Baltimore) Relationship between vestibular function and the vestibular subcortical and cortical networks in older adults</p> <p><b>56. <u>Tatsuo Matsunaga</u></b> (Tokyo) Variants encoding a restricted carboxy-terminal domain of SLC12A2 cause hereditary hearing loss in humans</p> <p><b>57. <u>Noriaki Takeda</u></b> (Tokushima) Daily auricular stimulation with capsaicin ointment improved cough reflex and prevented pneumonia in elderly patients with a risk of aspiration.</p>
11:00 – 12:00	<p><b>Scientific poster tour 4</b></p> <p>Chairs: Allen Ryan (La Jolla, USA), Wolf-Dieter Baumgartner (Vienna, A)</p> <p><b>58. <u>Brian Blakley</u></b> (Winnipeg) Fibromyalgia in Otolaryngology</p> <p><b>59. <u>Erasmio Gonzalo Llanes</u></b> (Guest, Manila) Recovery of unilateral facial nerve injury of 5 years duration after facial nerve-masseteric nerve anastomosis</p> <p><b>60. <u>Pa-Chun Wang</u></b> (Taipei) Can Transient-Evoked Otoacoustic Emission (TEOAE) Signals Predict Outcomes of Acute Sensorineural Hearing Loss in Patients with Menière Disease?</p> <p><b>61. <u>Christof Stieger</u></b> (Basel) Historic review of two mastoidal implant concepts</p> <p><b>62. <u>Jeong-Whun Kim</u></b> (Guest, Seoul) Prediction of respiratory disturbance during sleep using machine learning methods</p> <p><b>63. <u>Takashi Nakagawa</u></b> (Fukuoka) Poorly differentiated clusters predict a poor prognosis for external auditory canal carcinoma</p> <p><b>64. <u>Robert J Baatenburg de Jong</u></b> (Rotterdam) Implementation of a standardized value based clinical support system ('Healthcare Monitor') for routine symptom monitoring of head and neck oncology patients: patient evaluation and lessons learned</p> <p><b>65. <u>Antti Mäkitie</u></b> (Helsinki) Tumor-infiltrating lymphocytes in head and neck squamous cell carcinoma: time to take notice</p> <p><b>66. <u>Wolf-Dieter Baumgartner</u></b> (Vienna) Surgical experience and audiological results of Bonebridge implantation-Standard surgery versus Bonebridge – lifts</p> <p><b>67. <u>Shi-Ming Yang</u></b> (Beijing) The combination of microscope and endoscope on acoustic neuroma surgery</p> <p><b>68. <u>Vincent Christophe</u></b> (Lille) Assessing Cognitive Effort during speech-in-noise perception test with pupillometry: from normal hearing to cochlear implant</p> <p><b>69. <u>Stephan Lang</u></b> (Essen) The Oral Microbiome: Current Knowledge and Future Perspectives</p>
12:00 – 13:00	<p><b>Lunch break</b></p>
13:00 – 14:30	<p><b>Scientific session 3: Cochlear implants</b></p> <p>Chairs: Maurizio Barbara (Rome, I), Bernard Fraysse (Toulouse F)</p> <p><b>70. <u>Bruce Gantz</u></b> (Iowa City) Central Auditory Processing Predicts Variance in Speech in Noise Performance: Importance of Preserving Low Frequency Acoustic Hearing</p> <p><b>71. <u>Nicola Quaranta</u></b> (New member, Bari) Long-term evolution of the electrical stimulation for cochlear implant adult patients. The role of a progressive adaptation method.</p>

	<p><b>72. <u>Abdulrahman Hagr</u></b> (New member, Riyadh) Feasibility of one-day activation in cochlear implant recipients</p> <p><b>73. <u>Robert Labadie</u></b> (New member, Nashville) Use of intraoperative CT scanning to improve intracochlear CI positioning</p> <p><b>74. <u>Frederic Venail</u></b> (New member, Montpellier) Deciphering the molecular mechanisms leading to fibrosis after cochlear implantation</p> <p><b>75. <u>Kimitaka Kaga</u></b> (Tokyo) Electrically evoked ABR during cochlear implant surgery and the postoperative development of speech and hearing ability in children with common cavity deformity as a type of inner ear malformation</p>
14:30 – 15:30	<p><b>Scientific session 4: Bone and cartilage reconstructive research in ENT</b></p> <p>Chairs: Jussi Jero (Turku, FI), Erasmo Gonzalo Llanes (Manila, Philippines)</p> <p><b>76. <u>Koichi Omori</u></b> (Kyoto) Regenerative medicine for the cricoid and cervical trachea</p> <p><b>77. <u>Nicole Rotter</u></b> (New member, Mannheim) Decellularized natural scaffolds for cartilage tissue engineering – how close is clinical translation?</p> <p><b>78. <u>Paul Hong</u></b> (New member, Halifax) The effect of strontium citrate on bone consolidation during mandibular distraction osteogenesis</p> <p><b>79. <u>Anna Carolina Fonseca</u></b> (Guest, Sao Paolo) The use of homograft costal cartilage in mastoid obliteration. Preliminary results.</p>
15:30 – 16:00	<p><b>Coffee break and poster viewing (presenters present)</b></p>
16:00 – 17:50	<p><b>Scientific session 5: Head and Neck cancer</b></p> <p>Chairs: Robert Baatenburg de Jong (Rotterdam, NL), Jochen Werner (Essen, D)</p> <p><b>80. <u>Carter van Waes</u></b> (Bethesda) Integrated genomic and functional microRNA analysis identifies miR-30-5p as a tumor suppressor and potential therapeutic nanomedicine in Head and Neck cancer</p> <p><b>81. <u>Robert L. Ferris</u></b> (New member, Pittsburgh) Neoadjuvant strategies for H&amp;N cancer immunotherapy and combinations</p> <p><b>82. <u>Lars Olaf Cardell</u></b> (Stockholm) Intralymphatic immunotherapy</p> <p><b>83. <u>Christian Righini</u></b> (Grenoble) Evaluation of the theranostic properties of gadolinium-based nanoparticles for head and neck cancer</p> <p><b>84. <u>Orlando Guntinas-Lichius</u></b> (Jena) Use of biophotonic imaging in combination with artificial intelligence for automated detection of head and neck cancer</p> <p><b>85. <u>Ken-ichi Nibu</u></b> (Kobe) Midkine-promoter based conditionally replicative adenovirus expressing siRNA against EGFR for Head and Neck cancer.</p> <p><b>86. <u>Homøe Preben</u></b> (Køge) A Clinical, Morphological and Genetic Overview of Homologous Tumors of the Salivary gland, Lacrimal gland and Breast with an Emphasis on microRNA Expressional Profile and Targeted Treatment</p> <p><b>87. <u>Hidenori Inohara</u></b> (Osaka) Dynamic change of human papillomavirus circulating tumor DNA during radiotherapy and response to treatment</p> <p><b>88. <u>Thomas Hoffmann</u></b> (New member, Ulm) Immunosuppression and Immunotherapeutic Potential in HNSCC</p>

19:30 – 23:30 h	<b>Members and Accompanying Persons Dinner, Kursaal Bern</b>
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**Wednesday August 28, 2019**

08:00 – 10:30	<b>Scientific session 6: Hearing loss</b>
	<p>Chairs: Jan Veldman (Utrecht, NL), Shin-Ichi Usami (Matsumoto, J)</p> <p><b>89. <u>Xi Lin</u></b> (Atlanta) Virally-expressed connexin 26 in the postnatal scala media significantly and transiently preserves hearing in connexin 30 null mice</p> <p><b>90. <u>Allen Ryan</u></b> (La Jolla) Screening the mammalian organ of Corti to identify compounds with hair cell protection capacity.</p> <p><b>91. <u>Andrej Kral</u></b> (New member, Hannover) Single-sided congenital deafness affects binaural processing</p> <p><b>92. <u>Konstantina Stankovic</u></b> (New member, Boston) Cellular-Level Diagnosis and Personalized Therapy of Sensorineural Hearing Loss and Vestibular Schwannoma</p> <p><b>93. <u>Anna Fetoni</u></b> (New member, Rome) Targeting cellular defensive response and inflammation in cancer cells and cisplatin-induced ototoxicity</p> <p><b>94. <u>Aziz Elamraoui</u></b> (New member, Paris) Disease mechanisms &amp; therapies in progressive hearing loss: insights from tetraspan-like proteins</p> <p><b>95. <u>John Oghalai</u></b> (New member, Los Angeles) Mechanisms of noise-induced cochlear trauma</p> <p><b>96. <u>Mariela Torrente</u></b> (New member, Santiago) Speech in Noise Performance is Associated to Peripheral Auditory Function while Inter-hemispheric Auditory Function is Associated to Executive Functions in Elders</p> <p><b>97. <u>Jeffrey P. Harris</u></b> (La Jolla) Longitudinal study of hearing impairment and cognitive decline in older, community-dwelling adults</p> <p><b>98. <u>Juichi Ito</u></b> (Kyoto) Hearing recovery by a totally implantable artificial auditory epithelium in the guinea pig cochlea</p>
10:30 – 11:00	<b>Coffee break</b>
11:00 – 12:00	<b>Scientific session 7: Vertigo</b>
	<p>Chairs: Ashley Wackym (Portland, USA), Shinichi Iwasaki (Tokyo, J)</p> <p><b>99. <u>Jay Rubinstein</u></b> (Seattle) Results from a second-generation vestibular implant</p> <p><b>100. <u>Sébastien Schmerber</u></b> (New member, Grenoble) The Skull Vibration Induced Nystagmus Test for vestibular assessment</p> <p><b>101. <u>Tadashi Kitahara</u></b> (New member, Kashihara) Head-up sleep may cure intractable BPPV regardless of typical positional/positioning nystagmus</p> <p><b>102. <u>Po-Wen Cheng</u></b> (New member, Taipei) Prediction of Unilateral Meniere’s Disease Attack Using Inner Ear Test Battery</p>
12:00 – 13:00	<b>Lunch break</b>

13:00 – 15:00	<b>Minisymposium 2: Endoscopic Ear Surgery</b>
	<p>Chairs: George Wanna (New York, USA) and Marco Caversaccio (Bern, CH)</p> <p><b>103. <u>Lela Migirov</u></b> (Tel Aviv) Endoscopic ear surgery in the elderly</p> <p><b>104. <u>Yann Nguyen</u></b> (Guest, Paris) Robot-based assistance for endoscopic ear surgery: first results</p> <p><b>105. <u>Daniele Marchioni</u></b> (Guest, Verona) Endoscopic Transcanal Transpromontorial Approach for Vestibular Schwannoma Resection</p> <p><b>106. <u>Michael Tong</u></b> (Hong Kong) Endoscopic transcanal access to the lateral skull base</p> <p><b>107. <u>Adrian James</u></b> (New member, Toronto) The benefits of totally endoscopic surgery for pediatric cholesteatoma</p> <p><b>108. <u>George Wanna</u></b> (New member, New York) Endoscopic vs Microscopic Stapes Surgery</p> <p><b>109. <u>Anil Lalwani</u></b> (New York) Anatomical and Functional Consequences of Microneedle Perforation of Round Window Membrane</p> <p>Panel discussion (15 min): Future of endoscopic ear surgery</p>
15:00 - 15:30	<b>Coffee break</b>
15:30 – 16:15	<b>Scientific session 8: Laryngeal functional and oncological outcomes</b>
	<p>Chairs: Antti Mäkitie (Helsinki, FI), Sandro Stöckli (St. Gallen, CH)</p> <p><b>110. <u>Shiotani Akihiro</u></b> (Saitama) Transoral Videolaryngoscopic Surgery (TOVS) for Laryngopharyngeal Cancer</p> <p><b>111. <u>Mark S. Taylor</u></b> (New member, Halifax) Oncological and functional outcomes following transoral laser microsurgery in patients with T2a vs T2b glottic squamous cell carcinoma</p> <p><b>112. <u>Chen-Chi Wang</u></b> (New member, Taipei) Glottal configuration and voice characters in patients of unilateral vocal fold paralysis with/without superior laryngeal nerve injury after thyroidectomy</p> <p><b>113. <u>Gino Marioni</u></b> (New member, Padova) Potential role of panels of tumor tissue markers to allow a rational choice for adjuvant treatments in surgically treated laryngeal cancer. University of Padova contribution.</p> <p><b>114. <u>Giovanni Almadori</u></b> (Rome) Upfront surgery versus concurrent Erbitux and radiotherapy in advanced laryngeal squamous cell carcinoma. Prognostic role of HER family members.</p>
19.00 - 23.30 h	<b>Dinner Bellevue, Bellevue Palace Bern</b>