

PROGRAMM Friday, 29.November

08.30 **Inscription**

09.00 **Welcome**

Antje Welge-Lüssen

Chair: Antje Welge-Lüssen; Antje.Welge-Luessen@usb.ch

9.00-9.30 **Why do we smell – from animals to humans**

Ivan Manzini, PhD, Georg-August-Universität Göttingen; imanzin@gwdg.de

9:30-10:00 **Once liked – always liked or: how do we develop odor preferences**

Benoist Schaal, PhD, Centre des sciences du goût, Dijon; benoist.schaal@u-bourgogne.fr

10:00-10:36 **Intranasal trigeminal function**

Olfactory-trigeminal interaction in chemosensory perception.

Schriever VA¹, Daiber P², Frings S², Hummel T¹. ¹Dept of ORL, Univ. of Dresden; ²Dept. of Med Physiology, Univ. of Freiburg; Germany; valentin.schriever@mac.com

Depicting the inner and outer nose: The representation of the nose and the nasal mucosa on the human primary somatosensory cortex (SI)

Gastl M, Brünner Y, Wiesmann M, Freiherr J; Diagnostic and Interventional Neuroradiology, Uniklinik RWTH Aachen, Germany; mareike.gastl@rwth-aachen.de

The chemosensory path of pain

Kollindorfer K¹, Kowalczyk K¹, Frasnelli J^{2,3}, Hoche E¹, Unger E⁴, Mueller CA⁵, Krajnik J^{1,6}, Trattnig S⁷, Schöpf V¹; ¹Dept. of Biomedical Imaging and Image-guided Therapy, Medical Univ of Vienna, Austria; ²CERNEC, Département de Psychologie, Université de Montréal, Canada; ³Centre de Recherche, Hôpital du Sacre Coeur de Montréal, Canada; ⁴Center for Medical Physics and Biomedical Engineering, Medical Univ of Vienna, Austria; ⁵Dept. of Otorhinolaryngology, Medical Univ of Vienna, Austria; ⁶Dept. of Neurosurgery, Medical Univ of Vienna, Austria; ⁷Dept. of Biomedical Imaging and Image-guided Therapy, MR Centre of Excellence, Medical Univ of Vienna, Austria; veronika.schoepf@meduniwien.ac.at

10.36-10.51 Pause

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Chair: Caroline Huart; caro_huart@icloud.com

10:51-11:21 **Imaging of the olfactory system – what can we see**
Moustafa Bensafi, PhD, Centre of scientific research, Lyon;
bensafi@olfac.univ-lyon1.fr

11:21-12:21 **Diagnostics**

Clinical usefulness of time-frequency analysis of chemosensory event-related potentials.

Huart C¹, Rombaux P¹, Iannilli E², Hummel T², Mouraux AV. ¹Dept. of ORL, Hospital Saint Luc, Brussels, Belgium; ¹Dept. of ORL, Univ. of Dresden, Germany; caro_huart@icloud.com

Chemosensory event-related brain potentials (CSERP) after monorhinal stimulation with closed contralateral nostril.

Gudziol H, Fischer J, Bitter T, Guntinas-Lichius O. Univ of Jena, ENT-clinic; Hilmar.Gudziol@med.uni-jena.de

Investigations on cerebral olfactory processing using magnetoencephalography – a pilot study

Bitter T, Schlee AC, Gudziol H, Huonker R, Götz T, Haueisen J, Guntinas-Lichius O. Dept. of ORL, Univ of Jena, Germany; thomas.bitter@med.uni-jena.de

Magnetic source imaging of olfaction

Renner B¹, Kaltenhäuser M², Staudacher G¹, Grosskopf A¹, Neuhuber W³, Buchfelder M², Ganslandt O², Stadlbauer A²; ¹Institute of Experimental and Clinical Pharmacology and Toxicology; ²Dept. of Neurosurgery; ³Institute of Anatomy I; Univ of Erlangen-Nürnberg, Germany; bertold.renner@pharmakologie.uni-erlangen.de

Clinical Study of the patients with a lateralized difference in olfactory function

Mori E, Mitsuyama C, Matsuwaki Y, Otori N, Kojima H.: Dept. of ORL, Jikei Univ. Hospital, Tokyo, Japan; sekieri0421@gmail.com

12:21-13:09 **Chemosensory function in various diseases I**

Case series: From the outpatients clinic at the Dept. of ORL, Technical Univ. of Dresden, Germany

Hauswald B. Dept. of ORL, Univ of Dresden Medical School, Germany; Bettina.Hauswald@uniklinikum-dresden.de

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Smell and Taste in inflammatory bowel disease

Steinbach-Hundt S¹, Reindl W², Dempfle A³, Schuster S⁴, Huber W⁵; ¹ENT Marburg, Philipps-Univ; ²Gastroenterology, Univ of Mannheim, ³Medical statistics, Philipps-Univ; ⁴Gastroenterology, TU Munich; all Germany; silkesteinbach@hotmail.com

Linking dopamine and olfaction: does it make scents?

Niman A¹, Larsson M¹, Cervenka S², Willander J², Hummel T⁴, Bäckman L³, Farde L²; ¹Dept. of Psychology, Stockholm University; ²Karolinska Institute (Stockholm), ³Aging Research Center, Karolinska Institute, Sweden; ⁴Dept. of ORL, Technical Univ. of Dresden, Germany; andrea.niman@gmail.com

Olfactory bulb volume: a predictor of therapy response in depression?

Negoias S^{1,2}, Croy I^{2,3,4}, Symmank A², Schellong J³, Joraschky P⁴, Hummel T²
¹Bern Univ. Hospital, Dept. of Otorhinolaryngology, Bern, Switzerland; ²Univ. of Dresden Medical School, Smell & Taste Clinic, Dept. of ORL, Dresden, Germany; ³Univ. of Dresden Medical School, Dept. of Psychosomatic Medicine and Psychotherapy, Dresden, Germany; ⁴Univ. of Gothenburg, Dept. of Occupational and Environmental Medicine, Gothenburg, Sweden

13.09-14.15 Lunch Break

Chair: Basile Landis; bnlandis@yahoo.co.uk

14:15-14:45 Plasticity of the olfactory system – when and how much regeneration of function can we expect?

John McGann, PhD, Rutgers, State University New Jersey; mcgannlab@gmail.com

14:45-15:45 Plasticity / Therapy

Effects of the MAO-B inhibitor rasagiline on olfactory function in patients with Parkinson's disease.

Hähner A¹, Habersack A¹, Weigelt R¹, Reichmann H², Hummel T¹. ¹Dept. of ORL, ²Dept. of Neurology; Univ of Dresden Medical School, Germany; antje.haehner@uniklinikum-dresden.de

The effect of acupuncture on olfactory function in patients with post-infectious smell loss.

Gewald B, Hauswald B, Hummel T, Hähner A. Dept. of ORL, Univ of Dresden, Germany; Bettina.Gewald@gmx.de

Olfactory training in postviral olfactory dysfunction

Damm M¹, Pikart LK¹, Reimann H², Burkert S³, Göktas Ö⁴, Haxel B⁵, Frey S⁶, Charalampakis I⁷, Beule A⁸, Renner B⁹, Hummel T¹⁰, Hüttenbrink KB¹; ENT

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clinics of the Univ. of Köln¹, Jena², Halle³, Berlin⁴, Mainz⁵, Regensburg/Mannheim⁶, Augsburg⁷, Greidswald⁸, Dresden¹⁰; Dept. of Pharmacology, Erlangen⁹; Germany; michael.damm@uni-koeln.de

Topical corticosteroids applied with a squirt system for steroid-dependent olfactory impairment

Chih-Hung Shu, Dept. of Otolaryngology, Taipei Veterans General Hospital and National Yang-Ming Univ School of Medicine, Taipei, Taiwan; chihhung003@gmail.com

Does surgery of the olfactory clefts modify the sense of smell?

Nguyen DT^{1,2}, Gauchotte G³, Nguyen-Thi PL^{2,4}, Jankowski R¹; ¹CHU de Nancy, Dept. of ENT – Head and Neck Surgery; ²INSERM, CIC-EC CIE6; ³Dept. of Pathology, INSERM U954, Medical Faculty of Nancy; ⁴CHU de Nancy, Clinical Epidemiology and Evaluation Dept.; Nancy, France; ductrungnguyen96@yahoo.com

Olfactory function following fractures of the rhino-base

Gudziol V, Marschke T. Dept. of ORL, Univ of Dresden Medical School, Germany; Volker.gudziol@uniklinikum-dresden.de

15:45-16:33 Mixed Bag

Olfaction and Environment: Tsimane' of Bolivian Rainforest Have Lower Threshold of Odor Detection Than Industrialized German People.

Sorokowska A¹, Sorokowski P¹, Hummel T², Huawwwwnca T³. ¹Inst. of psychology, Univ. of Wroclaw, Poland, ²Dept. of ORL, Technical Univ of Dresden, Germany; ³Centro boliviano de Inv. y de Desarrollo Socio Integral, Correo Central, San Borja, Beni, Bolivia. sorokowska@gmail.com

The neuronal correlates of olfactory perception - an ALE meta-analysis of human functional brain imaging studies.

Schmid C¹, Welge-Lüssen A¹, Westermann B²; ¹ENT clinic, ²Dept. of Neurosurgery, University hospital Basel, Switzerland; Antje.Welge-Luessen@usb.ch

Effects of topical citrate buffer on olfactory function: preliminary data

Merkonidis C, Hummel T; ²Dept. of ORL, Technical Univ of Dresden, Germany

16.33-18:00 Joint cultural program

19.00 Conference Dinner

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PROGRAMM Saturday, 30.November

Chair: Karl-Bernd Hüttenbrink; huettenbrink.k-b@uni-koeln.de

8.30-9.30 Session of the Working Group „Olfaktologie – Gustologie“

Bertold Renner: A school lesson on smell and taste

Thomas Hummel: A different word for anosmia

Thomas Hummel: The new homepage in English

Florian Uecker: How much to ask for investigations on smell and taste

Overall: How shall we proceed ?

9.30-9.45 Pause

Chair: Valentin Schriever; valentin.schriever@mac.com

9:45-10:15 Taste disorders – etiology and therapy

Basile Landis, PD Dr. med, Univ. of Geneva; bnlandis@yahoo.co.uk

10:15-10:51 Taste

Results of forced-choice and non-forced-choice test procedures using the „taste strips“

Prassl A^{1,*}, Wolf A¹, Kollndorfer K², Schöpf V², Renner B³, Mueller CA¹; ¹Dept. of Otorhinolaryngology, Medical Univ of Vienna, Austria; ²Dept. of Biomedical Imaging and image-guided Therapy, Medical Univ of Vienna, Austria; ³Dept. of Pharmacology, Univ of Erlangen-Nuremberg, Germany; christian.a.mueller@meduniwien.ac.at

Extension of the „taste strips“ test for the assessment of subjects with enhanced gustatory sensitivity

Illini O^{1*}, Uy D^{1*}, Wolf A¹, Renner B², Müller CA¹; ¹Dept. of Otorhinolaryngology, Medical Univ. of Vienna, Austria; ²Dept. of Pharmacology, Univ. of Erlangen-Nuremberg, Germany; christian.a.mueller@meduniwien.ac.at

Is the size of the cerebral cortex different in patients with burning mouth syndrome and dysgeusia as compared to healthy subjects?

Gansjoen AM, Hummel T, Schlumberger G, Sinding C, Dept. of ORL, Univ. of Dresden, Germany; ann.mari.gransjoen@gmail.com

10:51-11:21 Olfactory disorders in sinonasal diseases

Ebba Heden-Blomqvist, MD, PhD, Sabbatsbergs hospital /Aleris Specialistcenter ENT; ebba.heden.blomqvist@aleris.se

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11:21-11:45 Chemosensory function in various diseases II

Olfactory function and idiopathic intracranial hypertension

Göktas Ö, Harms L, Schmidt F, Kunte H; Dept. of ORL, Charite Berlin, Germany; oegoektas@hotmail.com;

Case report: Acute changes of olfactory and gustatory function in a patient with multiple sclerosis.

Uecker FC¹, Gerz CW¹, Schmidt F². ENT clinic¹, Neurological clinic² of the Charité, Berlin, Germany; Fc.Uecker@charite.de

11.45-12.15 Pause

Chair: Antje Hähner; antje.haehner@uniklinikum-dresden.de

12:15-12:45 Olfaction in sleep and dreams

Boris Stuck, Prof. Dr. med, Universität Mannheim; boris.stuck@umm.de

12:45-13:15 Memory for odors

Maria Larsson, Prof. Dr., Stockholm; maria.larsson@psychology.su.se

13:15-14:03 Work on the perception of odors and taste

Intranasal insulin decreases olfactory sensitivity in men and women

Brünner Y¹, Benedict C², Freiherr J¹; ¹Diagnostic and Interventional Neuroradiology, RWTH Aachen Univ., Germany; ²Dept. of Neuroscience, Uppsala Univ, Uppsala, Sweden. ybruenner@ukaachen.de

Effect of an odor that captures attention on the processes of habituation in the brain

Andrä K, Sinding C, Hummel T. Dept. of ORL, TU Dresden, Germany; karoline.andrae@gmx.de

Brain processing of attractive odorant added to an initially neutral mixture

Sinding C, Bojanoswky V, Münch M, Hummel C, Iannilli E, Hummel T; Dept. of ORL, TU Dresden, Germany; csinding@gmail.com

The impact of olfactory dysfunction on interoceptive awareness

Krajnik J^{1,2}, Kollndorfer K¹, Notter L¹, Mueller CA¹, Schöpf V¹; ¹Dept. of Biomedical Imaging and Image-guided Therapy, Medical Univ of Vienna, Austria; ²Dept. of Neurosurgery, Medical Univ of Vienna, Austria; ³Dept. of Otorhinolaryngology, Medical Univ of Vienna, Austria; veronika.schoepf@meduniwien.ac.at

14.03-14.15 Final remarks, End of meeting, Lunch „to go“

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