

## Report January – March 2019; Smell & Taste

### Peer-reviewed Original Publications

- Schäfer L, Hummel T, Croy I (2019) The design matters: How to detect neural correlates of baby body odors. *Front Neurol* (in press)
- Cavazzana A, Knaapila A, Roßkopf F, Han P, Hummel T (2019) Detection thresholds for quinine, PTC and PROP measured using taste strips. *Eur. Arch ORL* (in press)
- Damm M, Schmitl L, Müller CA, Welge-Lüssen A, Hummel T (2019) Diagnostik und Therapie von Riechstörungen. *HNO* (in press)
- Walliczek-Dworschak U, Zimmermann AM, Poletti S, Hummel T (2019) Antinuclear antibodies in postinfectious smell loss- a pilot study. *Rhinology Online* (in press)
- Pellegrino R, Han P, Reither N, Hummel T (2019) Effectiveness of olfactory training on different severities of posttraumatic loss of smell. *Laryngoscope* (in press)
- Gellrich J, Sparing-Paschke LM, Thieme T, Schwabe K, Dworschak A, Hummel T, Schriever VA (2019) Normative data for olfactory threshold and odor identification in children and adolescents. *Int J Ped ORL* (in press)
- Pellegrino R, Usik K, Warr J, Hummel T, Sorokowska A (2019) Electrophysiological investigation of associative and non-associative memory odors. *Flav Fragr J* (in press)
- Von Grundherr J, Koch B, Grimm D, Salchow J, Valentini L, Hummel T, Bokemeyer C, Stein A, Mann J (2019) Impact of taste and smell training on taste disorders during chemotherapy – TASTE trial. *Cancer Manag Res* (in press)
- Jutras B, Lüönd A, Honegger F, Stieger C, Hummel T, Welge-Lüssen A (2019) Influence of external ear occlusion on food perception. *Eur Arch ORL* (in press)
- Cecchini MP, Knaapila A, Hoffmann E, Boschi F, Hummel T, Iannilli E (2019) A cross-cultural survey of Umami Familiarity in European Countries. *Food Quality Pref* (in press)
- Han P, Croy I, Raue C, Bensafi M, Larsson M, Cavazzana A, Hummel T (2019) Neural processing of odor-associated words: an fMRI study in patients with olfactory loss. *Brain Imag Behav* (in press)
- Iannilli E (2019) Studying human gustation: A multidisciplinary approach. *J Neurosci Res.* 97(3):228-229.
- Han P, Croy I, Raue C, Bensafi M, Larsson M, Cavazzana A, Hummel T (2019) Neural processing of odor-associated words: an fMRI study in patients with acquired olfactory loss. *Brain Imag Behav* (in press)
- Yalcinkaya E, Basaran MM, Erdem H, Kocyigit M, Altundag A, Hummel T (2019) Olfactory dysfunction in spondylarthritis. *Eur Arch ORL* (in press)
- Masala C, Kaehling C, Fall F, Hummel T (2019) Correlation between olfactory function, trigeminal sensitivity and nasal anatomy in normosmic subjects. *Eur Arch ORL* (in press)
- Sorokowska A (2019) Odor lateralization and spatial localization: null effects of blindness. *Attention, Perception, & Psychophysics* (in press)
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### Other publications (Chapters, peer-reviewed reviews, letters)

- Lotsch J, Hummel T (2019) A machine-learned analysis suggests non-redundant diagnostic information in olfactory subtests. *IBRO reports* (in press)

- Hummel T, Frasnelli J (2019) The intranasal trigeminal system. In: Doty RL (ed) Handbook of Clinical Neurology; Elsevier (in press)
- Sorokowski P, Karwowski M, Misiak M, Marczak MK, Dziekan M, Hummel T, Sorokowska A (2019) Sex differences in human olfaction: a meta-analysis. Frontiers Psychol (in press)
- Zang Y, Hummel T (2019) Editorial: The human sense of smell is better than we think. The Rhinologist (in press)

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## Guests

- [Izabela Lebuda, Institute of Psychology, University of Wroclaw](#), visits from January 10 to 11, 2019
- Emilie Bequignon , MD., PhD Student, INSERM U955 CNRS ERL7000Â Biomechanics & Respiratory Systems, Department of Otorhinolaryngology–Head and Neck Surgery, Hôpital Intercommunal de Créteil, Créteil, Paris and Centre Hospitalier Universitaire Henri-Mondor, Créteil Paris, visit from Jan 14 to 18, 2019
- Kenza Drareni, PhD student at the Inst. of Psychology of the Univ. of Lyon, starts her 3-month-visit on Feb 29. 2019
- Carmina Glöckler (medcial-student-to-be) visits for 21<sup>st</sup> of Jan to the 8<sup>th</sup> of Feb 2019
- Benjamin Meves (Student at Benno Gymnasium Dresden) visits from Feb 11-22, 2019
- Prof. Jörn Lötsch (pharmazentrum, Dept. of Pharmacology, Univ. of Frankfurt/Main) visits from February 15-16, 2019

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## Grants/Awards

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## Thesis

- Sophie Walter, 29.1.2019, „Idiopathische Riech- und Schmeckstörungen als Prädiktoren für das Auftreten von Alzheimer-Demenz und Parkinson-Krankheit“
- Sandra Hanf, 29.1.2019, „Die Anwendung von einzelnen Molekülen, Mischungen von Düften und dem häufigen Austausch von Düften auf den Erfolg eines ‚Riechtrainings‘“
- Malena Ezzat, 12.3.2019, „Einfluss von nasal appliziertem Citratpuffer auf das Riechvermögen von Patienten mit postinfektiöser Riechstörung“

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## Courses, Presentations etc.:

- Journal Club: **Olivia Vogt**, 09.01.2019, 15h: Wang L, Chen L, Jacob T: Evidence for peripheral plasticity in human odour response. J Physiol 2004, 554:236-44.
- Emilie **Bequignon** , MD., PhD. Student (INSERM U955 CNRS ERL7000Â Biomechanics & Respiratory Systems, Paris), 16.1.2019, 13:30h: Chronic upper airway obstruction and inflammation: from Cell to Organ Function, A multiscale approach
- Journal Club: **Luise Wacker**, 6.2.2019, 15h: Guducu C, Taslica S, Cakmur R, Ozgoren M, Ikiz AO, Oniz A: Assessing Olfactory Function in Parkinson's Disease via Entropy

Analysis of Chemosensory Event Related Potentials. The Tohoku journal of experimental medicine 2015, 237:111-6.

- Henriette Zimmeck, Antonia Gillmeister, Mesi Krause, Anne Huster, Dmitriy Desser, Janina Dimow, Martina Musch, Theresa Herrmann, Julia Draf, Thomas Hummel: Richtestungen beim : „Das Kinder-Museum hat Geburtstag - Familiensonntag im Museum“ 17. Mär, So., 10:00 to 18:00 Uhr
- 19.3.2019: Mira Fitzek presents on: **Human Olfactory Bulb Analysis in Relation to Age and Epithelial Neuronal Content**
- 19.3.2019: Joy Fitzek presents her planned study on: **Preception of odors in daily life**
- Journal Club: 20.3.2019: Laura Bottesi on [The impact of expertise in olfaction.](#)
- Presentation at the Department of “Strahlentherapie und Radioonkologie” on “Olfactory function in radiotherapy”, on the 19<sup>th</sup> of March 2019, 5:30 p.m.
- Journal Club, 28.3.2019: Stephanie Mann presents on: OLFACTORY CO-STIMULATION INFLUENCES INTRANASAL SOMATOSENSORY PERCEPTION, by Karunanayaka PR, Lu J, Yang QX, Sathian K
- Theresa Herrmann, Dresden, presents on the 28<sup>th</sup> of march 2019 on “Processing of odors in patients with Major Depressive Disorder”
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#### What else:

- T Hummel presents at the 12<sup>th</sup> Alpine Nasal Course in Crans Montana, Switzerland, on January 26<sup>th</sup> on “Update on olfaction” and on the 27<sup>th</sup> of January in the “Special session on the usefulness of a clinical research group on olfaction”
- T. Hummel presents on the 8<sup>th</sup> of February 2019 at the Schering Stiftung, Berlin, [www.scheringstiftung.de](http://www.scheringstiftung.de) on “Consequences of anosmia”
- Interview of T Hummel with ndr (radio broadcast): „Das Geheimnis der Phantomgerüche“ - NDR Info - Logo - Das Wissenschaftsmagazin - 08.02.2019 21:05 Uhr Autor/in: Storost, Ursula; <https://www.ndr.de/info/Das-Geheimnis-der-Phantomgerueche,audio483560.html>
- T. Hummel presents at the 20<sup>th</sup> of February 2019, 7 p.m., at the “Landesverbandes der HNO-Ärzte Berlin e.V.” in Berlin on “Smell disorders”
- Interview of T Hummel with “Nürnberg Nachrichten Magazin” by Birgit Heinrich on “Sauer, süß, bitter”: 9./10.3.2019
- 15.3.2019: Interview of T Hummel with swr, ODYSSEO (German TV program), Ms. Sigrid Lauff
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