

Report January – March 2024; Smell & Taste

Peer-reviewed Original Publications

- Yu H, Han P, Hummel T (2024) Multisensory Adaptation Strategies: Decreased Food Sensory Importance in Patients with Olfactory Dysfunction. *Food Qual Pref* (in press)
- Carneiro JP, Carvalho JC, Carneiro SP, Eloi I, Silva C, Silva L, Hummel T, Ribeiro JC (2024) The "Sniffin' Kids-PT" test: A smell test variant for Portuguese children. *Eur Ann Otorhinolaryngol Head Neck Dis*. Jan 17:S1879-7296(24)00001-2.
- Mastinu M, Grzeschuchna LS, Mignot C, Guducu C, Bogdanov V, Hummel T (2024) Time-frequency analysis of gustatory Event Related Potentials (gERP) in taste disorders. *Sci Reports* (in press)
- Sabiniewicz A, Sorokowska A, Palmiero M, Nicotra M, Sorokowski P (2024) Gender differences in the relationship between neuroticism and odor memory. *Physiol Behav*. 2024 Jan 24;276:114475.
- Deller M, Schriever VA, Hummel T (2024) A study on the impact of the COVID-19 pandemic on the aetiology of paediatric olfactory dysfunction. *ORL* (in press)
- Lötsch J, Becker A, Hähner A, Hummel T (2024) Odor dilution sorting as a clinical test of olfactory function: normative values and reliability data. *Chem Senses* (in press)
- Mastinu M, Püschner A, Gerlach S, Niv M, Hummel T (2024) Test-retest reliability and normative data for 'Seven-iTT', a test for the assessment of taste and oral trigeminal function. *Laryngoscope Invest Otolaryngol* (in press)
- Thaploo D, Joshi A, Thomas M, Hummel T (2024) Lateralization of nasal cycle is not reflected in OB volume and brain activations. *Eur J Neurosci* (in press)
- Sekine R, Hernandez AK, Overbeck C, Hofer MK, Mori E, Hähner A, Hummel T (2024) Comparison of patient characteristics and odorant trigger sensitivity in parosmia and phantosmia. *Laryngoscope* (in press)
- Stanley HB, Pereda-Campos V, Mantel M, Rouby C, Daude C, Aguera PE, Fornoni L, Hummel T, Menzel S, Mignot C, Konstantinidis I, Garefis K, Ferdenzi C, Pierron D, Bensafi M (2024) Identification of the needs of individuals affected by COVID-19. *Nat Comm Med* (in press)
- Hernandez AK, Uhl C, Haehner A, Cuevas M, Hummel T (2024) Differences in trigeminal function, olfaction, and nasal airflow measurements in patients with and without chronic rhinosinusitis. *Rhinology* (in press)
- Gunder N, Hummel T (2024) Parosmia in Patients with Post-infectious Olfactory Dysfunction in the Era of COVID-19 Associated Olfactory Impairment. *HNO* (in press)
- Georgiopoulos C, Buechner MA, Falkenburger B, Engström M, Hummel T, Haehner (2024) Differential Connectivity of the Posterior Piriform Cortex in Parkinson's Disease and Postviral Olfactory Dysfunction: An fMRI Study. *Sci Rep* (in press)
- Hintschich CA, Le Bon S, Trecca E, Saussez S, Hummel T (2024) Taste Loss in COVID-19 – Psychophysical Evidence Supporting a Low Prevalence. *Rhinology* (in press)
- Hintschich CA, Ma C, Hähner A, Hummel T (2024) Pronounced Olfactory Habituation with Age. *Laryngoscope* (in press)
- Li Z, Richter L, Krueger T, Eichwald H, Hähner A, Hummel T (2024) Patients with Parosmia respond faster to unpleasant odors than patients with hyposmia: insights from olfactory event-related potentials. *Int For Allerg Rhinol* (in press)

Other publications (Chapters, peer-reviewed reviews, letters)

- Joshi A, Hummel T (2024) Association between well-being and olfactory sensitivity. Sens Studies (in press)

Guests / Personnel / Visitors

- Christopher Aveline starts his one-year position at the Smell & Taste Clinic as part of the [perceptronics program \(Volkswagenstiftung\)](#)
- 8./9.1.2024: Brigit van Dijk (PhD candidate) and Puck Smits (student) visit from the [Dept. of Human Nutrition and Health](#), University of Wageningen
- [Doc. Esin Yalcinkaya](#), Ankara, visits on February 8.
- Frau Farah Ghraiz und Frau Katja Spierling, Universitäts-HNO Klinik der Charite, besuchen uns am 12.2.2024
- Prof. Dr. [Agnieszka Hamerlinska](#) from Torun Univ., Faculty of Social Sciences, visits from Feb 19 to 23.
- [Dr. Bert Menco](#) from Utrecht visits on Feb 20.
- [Dr. Beata Sinkiewicz from the Department of Pharmacology at the Univ. of Wroclaw](#) visits on Feb 22
- March 11-13: Lisa Sellersjö, Biomedical Technician from [SDS Kliniken, Gothenborg](#) visits
- March 19-23: [Octavio Garaycochea Mendoza Del Solar](#) MD. PhD. from visits Pamplona/Barcelona
- March 25-26: Prof. Jonathan Williams, [MPI Mainz for Chemistry](#), visits and presents on his work on **“Chemical emissions and possible signals from People”**

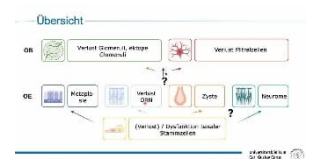


Grants/Awards

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Thesis

- 16.1.2024: Clara Luna Overbeck, Dr. med.: „Vergleich olfaktorischer Parameter bei Patienten mit und ohne Parosmie“
- 20.2.2024: Mira Fitzek, Dr. med.: „Eine histologische Charakterisierung des menschlichen olfaktorischen Riechepithels sowie des olfaktorischen Bulbus mit einem Fokus auf altersabhängige Unterschiede“



Conference:

21.2.2024: The Odofant conference - international lab meeting on smell and taste

An online conference with short presentations from several labs February 21, 2024, organized by Pengfei Han (Quongqing) and Thomas Hummel (Dresden)

Le mot **O₁D₂O₁F₄A₁N₁T₁**
n'est pas valide au
scrabble

Presentations by:

Julia Pabst	Dresden	Assessment of body odors
Lixin Chen	Guangzhou	From Plate to Mate: A Cross-Cultural Survey on the Correlation Between Food Neophobia and Mating Strategy in Chinese and American Adults
Han Zhou	Guangzhou	Linguistic Analysis of Olfactory Descriptions in Chinese: Insights from Online Perfume Reviews
Lisa Höhnel	Dresden	The Impact of Aromas on Sleep Quality: An Open controlled Clinical Study Exploring Three Varied Application Methods
Rumi Sekine	Tokyo	Measurement of olfactory cleft pH in PIOD, CRS and healthy volunteer
Michał Pieniak	Dresden	Relationship between anxiety, olfactory acuity and perceived threat of odors
Xinni Xu	Singapore	Development and validation of smell identification testing in Singapore
Jia Liu	Beijing	Olfactory Performance Assessed for Children by the Combined Testing of Olfactory Threshold and Odor Identification
Anna Kristina Hernandez	Dresden	Intranasal trigeminal function in CRS
Marta Rokosz	Wroclaw	Effects of olfactory training on emotion matching ability in healthy children
Huanmin Liu	Guangzhou	Olfactory training improves memory in Alzheimer's Disease transgenic mouse
Quian Hu	Chongqing	The effect of perceived stress on fat perception
Yuying Chen	Guangzhou	Prevalence of n-PROP non-taster and its relationship with anhedonia in Chinese population
Danyan Xu	Guangzhou	Olfactory dysfunction is associated with suicidal ideation in Late-life Depression
Fabian Herfort	Dresden	Olfaction in CRS-patients undergoing surgery: A prospective EEG-study
Maria Paola Cecchini	Verona	Long-term effects of SARS-CoV-2 infection in patients with and without chemosensory disorders at disease onset
Martin Bierkämper	Dresden	The Impact of SARS-CoV-2 from epithelium to olfactory bulb : A histological evaluation
Zhenni Tian	Beijing	CSIT (Chinese Smell Identification Test) and Olfactory Training for 4 and 8 Scents
Tzechoong Charn	Singapore	Clinical multimodality treatments for olfactory disorders
Agnieszka Sabiniewicz	Dresden	Effects of physical exercise and olfactory training with pleasant and unpleasant odors on verbal fluency and depression
Francisco Sousa	Porto	Platelet rich plasma as a rescue therapy in post-infectious olfactory dysfunction

External Presentations:

- 26.2.2024: Thomas Hummel presents at the online conference of the UK National Smell Multidisciplinary Team (MDT) of the Rhinology and Olfactology Research Group on "assessment of olfactory function"
- 8.3.2024: Thomas Hummel presents online on „*Treatment of Olfactory Dysfunction by COVID-19 and Parosmia*“ during the [JASTS](#) Seminar Series (Japanese Association for the Study of Taste and Smell)
- 8./9.3.24: Antje Hähner presents at the „Kopfschmerz- und Migränesymposium“ in Lübeck. Title: „Das riecht nach Ärger: Kinder mit Migräne“. In addition, she entertains a practical, hands-on workshop: „Geruch und Schmerz“
- 14.3.2024: Thomas Hummel presents at „[EL SENTIDO DEL OLFATO](#)“ in Barcelona, on "Clinical assessment of olfactory function" and "Olfactory training in smell loss"

March 8, 2024
16:00 am (JST) ~
Online Seminar
(参加費無料、同時通訳はありません)



- 18.3.2024: Thomas Hummel presents at the ACS (American Chemical Society) spring meeting in New Orleans online on "Consequences of olfactory loss"
- 18.3.2024: Thomas Hummel presents at [the TeAP conference](#) (Tagung experimentell arbeitender Psycholog:innen) in Regensburg on "olfactory plasticity"



Presentations in the lab:

- 11.1.2024: Michal Pieniak presents: "[A chemical signal in human female tears lowers aggression in males](#)" Agron S, de March CA, Weissgross R, Mishor E, Gorodisky L, Weiss T, Furman-Haran E, Matsunami H, Sobel N. PLoS Biol. 2023 Dec 21;21(12):e3002442.

What else:

- Fabian Herfort erklärt Reanimation!



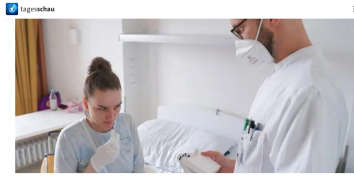
- Matsuda Mai [reports about her stay in Dresden in Summer 2023:](#)



media:

- 19.1.2024: Interview mit Kim Rigauer im ARD – „Mein Körper. Mein Geruchssinn.“
<https://www.ardmediathek.de/video/ard-wissen/mein-koerper-mein-geruchssinn/ard/Y3JpZDovL2Rhc2Vyc3RILmRIL2FyZC13aXNzZW4vMjAyNC0wMS0yMI8yMi0yMC1NRVo>

- 20.1.2024: Arbeitsbereich Riechen und Schmecken in ARD Tagesschau



Corona-Folgen
So kann Geruchsverlust bekämpft werden
Stand: 20.02.2024 08:28 Uhr

Durch eine Corona-Erkrankung dauerhaft den Geruchssinn verlieren – für viele eine Horrorvorstellung, für einige bereits Realität. Aber was passiert da überhaupt? Und auf welche Therapien können Betroffene hoffen?



- 25.1.2024: Interview mit Ilka Finger, Brillux Radio: „Körpergerüche“
- 29.2.2024, „Brillux Radio“: Interview Thomas Hummel mit Ilka Finger