

Report July – September 2017; Smell & Taste

Peer-reviewed Original Publications

- Croy I, Frackowiak T, Hummel T, Sorokowska A (2017) Babies Smell Wonderful to Their Parents, Teenagers Do Not: an Exploratory Questionnaire Study on Children's Age and Personal Odor Ratings in a Polish Sample. *Chemosens Percept* DOI 10.1007/s12078-017-9230-x
- Poupon D, Hummel T, Haehner A, Welge-Luessen A, Frasnelli J (2017) Nostril differences in the olfactory performance in health and disease. *Chem Senses* (in press) DOI: <https://doi.org/10.1093/chemse/bjx041>
- Pellegrino R, Drechsler E, Hummel C, Warr J, Hummel T (2017) Bimodal odor processing before and after the perception of a trigeminal component. *Neuroscience* (in press)
- Han P, Hummel C, Hitzler H, Gerber J, Schriever V, Hummel T (2017) The influence of age on brain processing of odors in adolescent girls. *Chemosens Perc* (in press)
- Poletti SC, Cavazzana A, Guducu C, Larsson M, Hummel T (2017) Indistinguishable odour enantiomers: Differences between peripheral and central-nervous electrophysiological responses. *Sci Reports* (in press)
- Whitcroft KL, Aziz M, Croy I, Schriever V, Hummel T (2017) Short inter-stimulus intervals can be used for olfactory electroencephalography in patients of varying olfactory function. *Neuroscience* (in press)
- Oeszkiewicz A, (2017) Who uses emoticons? Data from 86 702 Facebook users. *Personality and Individual Differences* (in press)
- Oeszkiewicz A, Sorokowska A (2017) Children can accurately recognize facial emotions from emoticons. *Computers in Human Behavior* (in press)
- Walliczek U, Schoeps F, Feron G, Brignot H, Haehner A, Hummel T (2017) Differences in the density of fungiform papillae and composition of saliva in patients with taste disorders compared to healthy controls. *Chem Senses* (in press)
- Fournel A, Sezille C, Licon CC, Sinding C, Gerber J, Ferdenzi C, Hummel T, Bensafi M (2017) Learning to name smells increases activity in hetero-modal semantic areas. *Human Brain Mapping* (in press)
- Groyecka A, Sorokowska A, Oleszkiewicz A, Hummel T, Łysenko K, Sorokowski P (2017) Similarities in smell and taste preferences in couples increase with relationship duration. *Appetite* (in press)
- Salihoglu M, Kurt O, Ay S, Baskoy K, Altundag A, Saglam M, Deniz F, Tekeli H, Yonem, A, Hummel T (2017) Retro- and orthonasal olfactory function in relation to olfactory bulb volume in patients with hypogonadotropic hypogonadism. *Br J ORL* (in press)
- Pisanski, K., Feinberg, D., Oleszkiewicz, A., Sorokowska, A. Voice cues are used in a similar way by blind and sighted adults when assessing women's body size. *Scientific Reports*. (in press) DOI: 10.1038/s41598-017-10470-3
- Oleszkiewicz A, Meusel T, Güpfert M, Westermann B, Hummel T, Welge – Lüssen A (2017) Olfactory deficits decrease the time resolution for trigeminal lateralization. *Int J Psychophysiol* (in press)
- Walliczek-Dworschak U, Pellegrino R, Taube F, Mueller CA, Stuck BA, Dworschak P, Güldner C, Steinbach S (2017) Chemosensory function before and after multimodal treatment in chronic rhinosinusitis patients. *Laryngoscope* (in press)
- Manesse C, Ferdenzi C, Sabri M, Bessy M, Rouby C, Faure F, Bellil D, Jomain S, Landis BN, Hugentobler M, Hummel T, Bensafi M (2017) Dysosmia-associated changes of eating behavior (in press)
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Other publications (Chapters, peer-reviewed reviews, letters)

- Walliczek-Dworschak U, Hummel T (2017) The Human Sense of Olfaction. *Facial Plast Surg* 33:396-404

- Sucker K, Zschiesche W, Hummel T, Breuer D, Werner S, Friedrich C, Raulf M, Weiß T, Bünger J, Brüning T (2017) Naphthalin: Chronische Exposition am Arbeitsplatz – Relevanz für die Grenzwertableitung. IPA Journal 2017/02: 10-13
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Guests

- Dr. Maria Adelaida Bock from Asuncion, Paraguay, visits from the 10th until the 21st of July.
- Genevieve Nuckle from Département d’anatomie, Université du Québec à Trois-Rivières, Quebec, visits from the 17th to the 21st of July.
- Andreea Podeanu, medical student from the University of Craiova, Rumania; visits from August 1st to 31st, 2017
- Elif Elhakan, medical student from Istanbul University, visits from the 22nd of August until the 24th, 2017
- Elena Schäfer, Master of Arts, from [Siegen University](#), visits from the 21st of August until the 25th, 2017
- Sarah Nagelschmitz, student from Rheine, visits from the 21st to the 25th of August
- Cecilia Tremblay, PhD student from Universite Trois Rivieres, Quebec, starts her visit on September 6th (until December 2017)

What else:

- Agata Gorycka presents a poster at the 15th European Congress of Psychology in Amsterdam, July 2017, on “Do you like what I like? Couples’ similarities in smell and taste preferences increase with time” by Gorycka A, Sorokowska A, Oleszkiewicz A, Hummel T, Łysenko K, Sorokowski P.
- 6.7.2017: Interview on [The Sense of Smell Impacts Metabolic Health and Obesity.](#), Riera CE, Tsaousidou E, Halloran J, Follett P, Hahn O, Pereira MMA, Ruud LE, Alber J, Tharp K, Anderson CM, Brönneke H, Hampel B, Filho CDM, Stahl A, Brüning JC, **Dillin A.**, Cell Metab. 2017 Jul 5;26(1):198-211.
with [Mitch Leslie](#), Jul. 5, 2017 entitled ". Mice shed weight when they can't smell but not because they stop eating" <http://www.sciencemag.org/news/2017/07/mice-shed-weight-when-they-can-t-smell-not-because-they-stop-eating>
- 7.7.2017: Interview mit Andreina Thoma "Schweizerische Depeschagentur" zum Thema „Gourmand-Düfte“ in der Körperpflege. St. Galler Tagblatt, 11.8.2017 ([Schokoalder unter der Dusche](#))
- 11.11.2017: Beratung durch Thomas Hummel bei Sendung: „Wissen macht Ah!“ <http://www1.wdr.de/kinder/tv/wissen-macht-ah/av/video-die-langweiligste-sendung-der-welt-100.html>

Grants

- 28.7.2017: Together with Ilona Croy and Jennifer Linn: [Promotionsstipendium der Dr. Georg E. und Marianne Kosing-Stiftung](#): 40.000 Euro
- 9.8.2017: Pengfei Han receives ECRO travel award for participation in ECRO 2017 at the Wellcome Genome Campus, Cambridge, UK, 2-5 September 2017: 500 Euro

Thesis

- Sandra Wernecke: „Riechgeschwindigkeit - Untersuchung der temporalen und zentralen Verarbeitung olfaktorischer Reizpaare mit kurzem Interstimulusintervall“, 5.9.2017

Courses, Presentations etc.:

- Charlotte Enger presents on the 28th of June on “Comprehensive recordings of taste function in patients with dysgeusia – A Pilot Study”
- Summerschool Human Olfaction 2017, July 23-28. Lecturers included Larsson, Maria; Laska, Matthias; Nordin, Steven; Pause, Bettina; Iacox, Jean Silvain; Rawson, Nancy; Toemme Noesselt; Schaal, Benoist; Margot, Christian; Wolfgang Georgsdorf; Pierre Chatelain; Basile Landis; Schriever, Valentin; Hähner Antje; Witt, Martin; Simona Negoias; Charlotte Sinding; Antje Haehner; Pengfei Han; Annachiara Cavazzana; Cagdas Guducu; Volker Gudziol
- Cecilia Tremblay, Université Trois Rivières, Québec, present on the 13th of September 2017 at 11.a.m. on “Trigeminal system in Parkinson's Disease”
- Thomas Hummel presents at “[Campus der Sinne](#)” on the 15th of Sept in Erlangen, on »The human chemical senses - why and how we smell and taste, and what happens if we lose it«
- Thomas Hummel presents on the 18th of September in Dijon at the [42ème colloque de la Société de Neuroendocrinologie](#) on “Sex differences in olfactory responses in humans: fMRI studies”

- Presentations in Wroclav “[the human sense of smell](#)”, “[Science Unlimited](#)”: 27.9., 13-15:00h: Dr Anna Oleszkiewicz , Dr Agnieszka Sorokowska, Prof Antje Haehner, Dr. Pengfei Han, Dr. Annachiara Cavazzana, Prof Thomas Hummel

The Human Sense of Smell (Olfaction)

The sense of smell is important in various areas including appreciation of foods and drinks, as a warning system (e.g. poisonous fumes), or as a social signal between humans, e.g. when crying or when developing an infection. The sense of smell has an impact on reproductive behaviour including inbreeding avoidance and mate selection, as well as emotional contagion. In this context, olfactory dysfunction is an increasingly recognised condition. However, the sense of smell remains relatively poorly researched and is often neglected by the scientific community. This may be due to the subtle effects of sense of smell on our behaviour. In this symposium we plan to show several aspects of olfaction, mostly in a clinical context.

- Dr Anna Oleszkiewicz** – Researcher at the University of Wrocław, and at the Smell & Taste Clinic at the Department of Otorhinolaryngology at Technische Universität Dresden
- Dr Agnieszka Sorokowska** – Assistant professor of psychology at the University of Wrocław and research fellow in psychology at Technische Universität Dresden
- Dr Piotr Sorokowski** – Associate professor and head of the Institute of Psychology at the University of Wrocław
- Jun Prof Ilona Croy** – Head of Biomarker research group at Technische Universität Dresden
- Prof Antje Haehner** – Adjunct Professor in the Smell & Taste Clinic at the Department of Otorhinolaryngology at Technische Universität Dresden
- Dr Pengfei Han** – Joined the Smell & Taste Clinic at the Department of Otorhinolaryngology at Technische Universität Dresden
- Prof Thomas Hummel** – Head of the Smell & Taste Clinic at the Department of Otorhinolaryngology at Technische Universität Dresden

This event is a project linked with the DRESDEN-concept Science Exhibition, which is going to be on display at Plac Solny from 22 Sep until 11 Oct 2017. The exhibition is a project of 24 Dresden-based research institutions. For more information see: www.dresden-concept.de. If you are interested in visiting this event, please register at www.dresden-concept-eventbrite.de.

This project is part of TU Dresden's Institutional Strategy, funded by the Excellence Initiative of the German Federal and State Governments.

IN CO-OPERATION WITH

- Course "Smell and taste 09": Presentations by Dr Anna Oleszkiewicz , Prof Antje Haehner, Dr. Pengfei Han, Dr. Annachiara Cavazzana, Prof Thomas Hummel, Dr. Cagdas Guducu, Dr. Katie Whitcroft

Friday, 29th of September		Saturday, 30th of September	
		<i>In the morning there will be the possible opportunity for an excursion to the Saxonian Switzerland, leaving at 6:00 a.m.; it will be back at 8:30 a.m.; there will be 7 places</i>	
		<i>Anna Oleszkiewicz will accompany you. In the morning there will be coffee on the bus and, if things go well, also a croissant.</i>	
08:30 Registration (Willgeroth, Grzeschuchna)		08:30 Registration (Willgeroth, Grzeschuchna)	
08:45 Registration (Willgeroth, Grzeschuchna)		08:45 Registration (Willgeroth, Grzeschuchna)	
09:00 welcome	chair: Thomas Hummel	09:00 Witt - olfactory anatomy	Chair: Iordanis Konstantinidis
09:15 welcome		09:15 Witt - olfactory anatomy	
09:30 Hummel - general olfaction - assessment of olfactory function	chair: Martin Witt	09:30 Witt - olfactory anatomy	
09:45 Hummel - general olfaction - assessment of olfactory function		09:45 Philpott - postviral olfactory loss	
10:00 Hummel - general olfaction - assessment of olfactory function		10:00 Philpott - postviral olfactory loss	
10:15 Hummel - general olfaction - assessment of olfactory function		10:15 Philpott - postviral olfactory loss	
10:30 Croy - QoL in olfactory disorders.		10:30 Rombaux - congenital anosmia	
10:45 Croy - QoL in olfactory disorders.		10:45 Rombaux - congenital anosmia	
11:00 Croy - QoL in olfactory disorders.		11:00 Rombaux - congenital anosmia	
11:15 break		11:15 break	
11:30 break	chair: Basile Landis	11:30 break	
11:45 Han - structural and functional imaging in the chemical senses		11:45 break	
12:00 Han - structural and functional imaging in the chemical senses		12:00 Konstantinidis - posttraumatic olfactory loss	Chair: Philippe Rombaux
12:15 Hähner - neurodegeneration, aging		12:15 Konstantinidis - posttraumatic olfactory loss	
12:30 Hähner - neurodegeneration, aging		12:30 Konstantinidis - posttraumatic olfactory loss	
12:45 Hähner - neurodegeneration, aging		12:45 Damm - sinonasal disease and olfactory function	
13:00 break		13:00 Damm - sinonasal disease and olfactory function	
13:15 break		13:15 Damm - sinonasal disease and olfactory function	
13:30 break		13:30 Damm - sinonasal disease and olfactory function	
13:45 Vodicka - epidemiology, parosmia and phantosmia	chair: Antje Hähner	13:45 break	
14:00 Vodicka - epidemiology, parosmia and phantosmia		14:00 break	
14:15 Landis - taste assessment; dysgeusia: symptoms and treatment		14:15 Altundag - olfactory dysfunction related to endocrinology	Chair: Carl Philpott
14:30 Landis - taste assessment; dysgeusia: symptoms and treatment		14:30 Altundag - olfactory dysfunction related to endocrinology	
14:45 Landis - taste assessment; dysgeusia: symptoms and treatment		14:45 Ramakrishnan - idiopathic olfactory loss, surgical therapy	
15:00 Landis - taste assessment; dysgeusia: symptoms and treatment		15:00 Ramakrishnan - idiopathic olfactory loss, surgical therapy	
15:15 transfer		15:15 Ramakrishnan - idiopathic olfactory loss, surgical therapy	
15:30 transfer		15:30 Ramakrishnan - idiopathic olfactory loss, surgical therapy	
15:45 Gudzio/Witt - Biopsies, endoscopy		15:45 Whitcroft - position paper on olfactory dysfunction	
16:00 Schriever / Oleszkiewicz - olfactory tests, trigeminal		16:00 Whitcroft - position paper on olfactory dysfunction	
16:15 Croy / Cavazzana - Questionnaires, QoL, etc.		16:15 general discussion	
16:30 Guducu/Han - olfactometry, gustometry		16:30 general discussion	
16:45 Sorokowska/ Grzeschuchna - taste test, retronasal			
17:00 Landis/Negoias - nasal airflow			
17:15			
17:30			
17:45			
18:00			
18:15			
18:30			
18:45 transfer			
19:00 transfer			
19:15 transfer			
19:30 dinner (until approximately 22:30 h)			