

Report April – June 2019; Smell & Taste

Peer-reviewed Original Publications

- Langstaff L, Pradhan N, Theobald E, Clark A, Boak D, Salam M, Hummel T, Philpott CM (2019) Validation of the Olfactory Disorders Questionnaire for English-speaking Patients with Olfactory Disorders. *Clinical Otolaryngology* (in press)
- Oleszkiewicz A, Hummel T (2019) Whose nose does not know? Demographical characterization of people unaware of anosmia. *Eur Arch ORL* (in press)
- Iannilli E, Leopold DA, Hornung DE, Hummel T (2019) Brain activation in patients with parosmia. *ORL* (in press)
- Sorokowska A, Oleszkiewicz A, Minovi A, Konnerth CG, Hummel T (2019) Fast, routine screening of olfactory function using the Quick-Sticks (in press)
- Oleszkiewicz A, Park D, Resler K, Drafi J, Schulze A, Zang Y, Hähner A, Hummel T (2019) Quality of life in patients with olfactory loss is better predicted by flavor identification than by orthonasal olfactory function. *Chem Senses* (in press)
- Yeung AWK, Hummel T (2019) Literature analysis in relation to research on the five basic tastes. *Nutrition Food Sci* (in press)
- Lötsch J, Hummel T (2019) Clinical usefulness of self-rated olfactory performance – a data science-based assessment of 6000 patients. *Chem Senses* (in press)
- Sorokowski P, Puts D, Johnson J, Żółkiewicz O, Oleszkiewicz A, Sorokowska A, Kowal M, Borkowska B, Pisanski K (2019) Voice of Authority: Professionals Lower Their Vocal Frequencies When Giving Expert Advice. *J Nonverb Behav* (in press)
- Gudziol V, Marschke T, Reden J, Hummel T (2019) Impact of anterior skull base fracture on lateralized olfactory function. *Rhinology* (in press)
- Sollai G, Melis M, Magri S, Usai P, Hummel T, Tomassini Barbarossa I, Crnjar R (2019) Association between the rs2590498 polymorphism of Odorant Binding Protein (OBPIIa) gene and olfactory performance in healthy subjects. *Behav Brain Res* (in press)
- Negoias S, Chen B, Iannilli E, Kitzler H, Hummel T, Krüger S (2019) Odor-related brain hyper-reactivity in euthymic bipolar disorder. *Psychiatry Res* (in press)
- Han H, Zang Y, Hummel C, Faria V, Hummel T (2019) Short or long runs: an exploratory study of odor-induced fMRI design. *Laryngoscope* (in press)

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

- Whitcroft K, Hummel T (2019) Olfactory Dysfunction: Clinical Diagnosis and Current Management Strategies. *JAMA Otolaryngology-Head & Neck Surgery* (in press)
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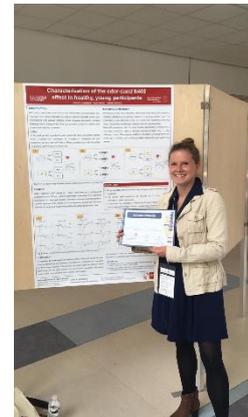
Guests

- Dr. Moustafa Bensafi, Dr. Arnaud Fournel, Dept. of Psychology, Univ. Lyon, visit from April 20 to April 25, 2019
- Marylou Mantel visits from April 20 to May 10, 2019
- Dr. Sophia Poletti, Dept. of ORL, Univ. of Tübingen, visits from April 25 to April 27, 2019

- Dr. [Cesar Anjo](#), Dept. of ORI, Univ. of Faro, PT, visits from May 20 to May 22, 2019
- [Prof. Jonathan Williams](#), Max Planck Institute of Chemistry, Mainz, Germany, visits on May 21, 2019
- Dr. Marta Marques (Hospital da Cruz Vermelha Portuguesa, Lisbon, Portugal) starts her 4-week visit on June 1st
- Dr. Charlotte Sinding, INRA, Dijon, visits from June 6th to June 7th
- Dr. Zhou Laiquan (Department of Psychology, Southern Medical University, Guangzhou, Guangdong, China) starts his 6 month visit on June 1st
- Dr. Julien Hsieh Dept. of ORL, Univ. of Geneva, visits on the 8th of June
- [Marlise Hofer, Dept. of Psychology, UBC](#), Vancouver, Canada, visits on June 23rd
- Alienor Warr, student from Paris, visits until the 29th of June 2019
- Ilona Owusu, from [Reuksmaakstornis](#), Amsterdam, visits on the 18th of June
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Grants/Awards

- Antje Hähner zusammen mit PD Gossrau: Kinderkopfschmerzprogramm, Modul "Sinne": Novartis-Projektförderung, Schmerzzentrum (25 000 €)
- Anna Oleszkiewicz receives the meddrive grant from the University Clinic of the TU Dresden "Pheromone-like effects on human behavior - a proof of principal study examining the impact of the putative pheromone Hedion" (17.500€)
- Ann3-Kathrin Mutschke receives a poster award at the [ISCOMS in Groningen](#) for her presentation "Characterisation of the odor-cued N400 effect in healthy, young participants"
- Kosing- Graduiertenkolleg für Antje Hähner, zusammen mit Valentin Schriever und Gudrun Grossrau: „Wirksamkeit strukturierter Exposition mit Düften auf die nozizeptive und olfaktorische Funktion bei Kindern und Jugendlichen“ (40.000 €)
- Alexander Croy, Ilona Croy, Thomas Hummel, Gianaurelio Cuniberti: „Olfactorial Perceptronics“: granted 119.000€ by the Volkswagenstiftung
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Thesis

- 30.4.2019: Nora Rochor: „Einfluss olfaktorischer Stimulation auf die orale Nahrungsaufnahme von sondenernährten Neugeborenen“
- 9.7.2019: Maren Eckhardt: „Korrelation posttraumatischer Riechstörungen mit MR-tomographisch detektierbaren Veränderungen am Riechhirn - eine retrospektive Analyse“
- 9.7.2019: Islam Batashev: „Topische Kortikosteroidtherapie bei sinusalen Riechstörungen Kortikosteroid in Inhalations- oder Sprayform“
- 9.7.2019: Anna-Luisa Bartmuß: „Charakterisierung und topographische Verarbeitung von ereigniskorrelierten Potenzialen verschiedener sensorischer Stimuli auf der Zunge“
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Courses, Presentations etc.:

- Journal Club: Babette Schaab presents on the 3rd of April 2019 on “Functional magnetic resonance tomography correlates of taste perception in the human primary taste cortex” by [M.A.Schoenfeld](#), [GNeuer](#), [CTempelmann](#), , [TNoesselt](#), [J.-Mhopf](#), [H.-JHeinze](#)
- Dr. Moustafa Bensafi, Dept. of Psychology, Univ. Lyon, presents on April 24 on “The olfactory code”
- Journal Club: April 24, 13:00 Clemens Roitzsch on Enhancing inhibitory learning to reduce overeating: Design and rationale of a cue exposure therapy trial in overweight and obese women.
- Journal Club: April 24, 13:30 Henriette Zimmeck on The Neuroregenerative Capacity of Olfactory Stem Cells Is Not Limitless: Implications for Aging
- Marylou Mantel from Lyon presents on Monday, 29th of April, at 3 p.m., on “Inter-individual variability in olfactory experience: A behavioral and neuroimaging approach”
- Journal Club: May 13, 15:00h: Martina Musch presents on Banks SJ, Sreenivasan KR, Weintraub DM, Baldock D, Noback M, Pierce ME, Frasnelli J, James J, Beall E, Zhuang X, Cordes D, Leger GC: Structural and Functional MRI Differences in Master Sommeliers: A Pilot Study on Expertise in the Brain. *Front Hum Neurosci* 2016, 10:414.
- Journal Club: May 15, 2019, 13:00h: Jule Reinhard presents on [Comparative tactile sensitivity of the fingertip and apical tongue using complex and pure tactile tasks.](#)
- Journal Club: May 15, 2019, 13:30h: Lea Mueller presents on [Enjoyment of Spicy Flavor Enhances Central Salty-Taste Perception and Reduces Salt Intake and Blood Pressure.](#)
- Journal Club: May 20, 2019, 13:00h: Timo Ludwig presents on “[Lateralisation in wine olfactory threshold detection: comparison between experts and novices.](#)”
- Journal Club: May 20, 2019, 13:30h: Rebecca Habel presents on: “[Global Study of Social Odor Awareness](#)”.
- 22nd of May: Hands-on-course for Neuroscience students from Berlin:

Wednesday, 22nd of May 2019		
	group A	group B
12:00	Arrival at house #3, top floor	
12:00-13:00	Hummel - smell, taste: general introduction	
13:00-13:45	Hähner - neurodegeneration	
13:45-14:45	break	
14:45-15:15	Oleszkiewicz - sensory interactions	
14:45-15:15	Faria - Neuroimaging in the olfactory system	
15:15-15:45	transfer to house #5, basement; short break	
16:00-16:25	Lober, Krause - olfactometry, EEG/ERP/EOG data analysis	Oleszkiewicz - ortho- and retronassal olfactory tests, taste tests
16:25-16:50	Lakner - nasal endoscopy	Lober, Krause - olfactometry, EEG/ERP/EOG data analysis
16:50-17:15	Oleszkiewicz - ortho- and retronassal olfactory tests, taste tests	Lakner - nasal endoscopy
17:15-17:20	Hummel - goodbye	
17:20	Transfer to train station	

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- Dr. Charlotte Sinding, INRA, Dijon, presents on the 6th of June on “Odor induced Salt Enhancement”
- Journal Club: Antonia Gillmeister, 12.06.2019, 13:00h, on: [Genetic variation in a human odorant receptor alters odour perception, Keller A et al., Nature, 449, 468–472, 2007.](#)
- 14th of June 2019: [Long Night of Research at the University campus](#): testing of/talking to >200 visitors at the booth by Antonia Gillmeister, Oriana Gregoriescu, Henriette Zimmeck, Max Penzler, Vanda Faria, Verena Englmaier, Marta Canas, Akshita Joshi, Zou Laiquan, Laura Bottesi, Marie Klockow



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Conferences

- 41st Annual Meeting of the Association for Chemoreception Sciences, Bonita Springs, Florida, USA; April 14-17, 2019

- Theresa Herrmann, Carina Köppel, Jennifer Linn, Ilona Croy, Thomas Hummel: Response To Pleasant And Unpleasant Odors In Patients With Major Depressive Disorder
- Thomas Hummel, Susann Fraesdorf: Responses To Left- And Right-Sided Olfactory Stimuli: An Investigation Based On Psychophysical And Electrophysiological Data
- Akshita Joshi, Pengfei Han, Thomas Hummel: Top-Down Olfactory Processing In Subjects With Olfactory Loss
- Carla Masala, Annachiara Cavazzana, Eugenio Aprea, Monica Borgogno, Elena Cantone, Andrea Ciofalo, Serena Drago, Flavia Gasperi, Alberto Macchi, Leonardo Menghi, Valentina Parma, Maria Piochi, Raffaella Piras, Benedetta Pasquariello, Luisa Torri, Thomas Hummel: An Italian Population-Based Study Of The Prevalence Of Olfactory Impairment
- Anna Oleszkiewicz, Ilona Croy, Valentin Schriever, Antje Haehner, Thomas Hummel: Presence Of Undetected Olfactory Loss In The General Population - Based On A Large Sample Of 9139 Subjects
- Carina Köppel, Paul Ruser, Hagen Kitzler, Thomas Hummel, Ilona Croy: Interoceptive Accuracy And Its Relation To Insular Activity Following Olfactory Stimulation
- Thomas Hummel: HANDS-ON WORKSHOP - MEASUREMENT OF HUMAN SMELL AND TASTE, with Kathrin Ohla (Germany), Katie Whitcroft (UK), Johannes Frasnelli (Canada), and Sanne Boesveldt (The Netherlands)
- Yunpeng Zang, Anna Oleszkiewicz, Antje Haehner, Dahae Park, Thomas Hummel: Orthonasal And Retronasal Olfactory Function In Patients With Olfactory Loss: Relation To Quality Of Life
- Thomas Hummel presents at the Dept. of ORL at the Univ. of Miami on „Diagnostics and Therapy of Olfactory Dysfunction“ on April 11, 2019
- Antje Hähner: Symposium "Riechen und Schmecken bei Bewegungsstörungen" beim Deutschen Kongress für Parkinson und Bewegungsstörungen, Düsseldorf, 7.-9.3.19
- Antje Hähner: Vortrag auf dem Frühjahrssymposium der ÖGWA, Wien, am 6.4.19, "Training mit Düften in der Therapie von Kindern und Erwachsenen"
- Thomas Hummel presents on the 1st of April at the meeting “Chemical communication in humans” on “Human olfaction, anosmia, and effects on cognition and behaviour”
- Thomas Hummel presents on the 3rd of May at the [Smell and Taste Summit](#) in Istanbul on “Smell and Taste Disorders and Therapies”
- April 26, 14:00: Thomas Hummel presents on “olfactory function and olfactory loss” at the [Storchennest](#), Radeberg
- May 24, 17:00: Thomas Hummel presents on the Sense of Smell and its Disorders at the [Department of ORL, St. Luc Hospital, Brussels](#),
- Thomas Hummel presents on "olfactory dysfunction, its assessment and treatment" in Ronne, Bornholm, DK,, on May 30, 2019, from 9:00-12:00h, during the meeting of the Danish Rhinologic Society
- Presentations at the Deutsche HNO Kongress 2019: Thomas Hummel: Gustatorisch evozierte Potentiale

Thomas Hummel: Kurs - Riechen und Schmecken, mit A. Welge-Lüssen M. Damm, V. Gudziol, Basel (CH)/Dresden/Köln

- A. Darbinjan, T. Hummel, M. Cuevas, Dresden: Die Langzeit-Rhinoflowmetrie zur Beurteilung der Nasenatmung.
- Ö. Göktas, F. Uecker, C. Azar, W. Georgsdorf, T. Hummel, Berlin/Dresden: Untersuchung der Wirkung von Riechtraining unter natürlichen, alltäglichen Bedingungen auf das Riechvermögen
- J. Draf, S. Menzel, C. Draf, T. Hummel, T. Zahnert, M. Cuevas, Dresden/San Diego (USA): Verbesserung der Lebensqualität nach Septumplastiken und Nasennebenhöhlenoperationen
- Thomas Hummel presents on the 23rd of May at the St Luc Hospital at the Department of ORL in Brussels on <The significance of the sense of smell>
- Presentations at the OLFAKTUS meeting May 24 in Stockholm:
 - Anna Oleszkiewicz: Cognitive, emotional and health-related consequences of undetected olfactory loss
 - Akshita Joshi: Top-down olfactory processing in subjects with olfactory loss
 - Vanda Faria: Verbal suggestions of nicotine content modulate ventral tegmental neural activity in cigarette smokers
 - Ben Chen: Difference of olfactory deficit in patients with acute episode of schizophrenia and major depressive episode
- Thomas Hummel presents on the 11th of June on “Ein Leben ohne Düfte: Wenn die Nase krank ist” as part of the lecture series [“Die Macht der Düfte: Alles über das Riechen und wie es unser Leben bestimmt” at the University of Mainz \(Stiftungsprofessur Prof. Dr. mult. Hanns Hatt\)](#)
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What else:

- Interview in [ODYSSO](#):
- Thomas Hummel is opponent at Camilla Arnd Andersen's defense of her thesis on in Aarhus, May 28, 2019
- Juni 2019: Interview mit Spektrum der Wissenschaften: [Düfte für das Seelenheil](#) (Frank Luerweg)
- Interview mit 3sat-nano, [Sendung am 4.7.2019, 9:45h](#)