

## Stuff

“Wartburg Symposium on Flavor Chemistry & Biology”, which will be held from **October 3<sup>rd</sup> to 6<sup>h</sup>, 2023** in Eisenach, Germany. [www.wartburg-symposium.de](http://www.wartburg-symposium.de).

**Workshop:** Funding opportunities with the National Science Foundation (NSF) in the United States (domestic (USA) and international) in the areas of chemical sensors, sensor systems, machine learning, and applications of biological and artificial olfaction. [webpage](#).

The goal of the workshop is to prepare a comprehensive 3-year roadmap for NSF to create a funding track for translational research in chemical sensor systems through their [Convergence Accelerator](#) program. If you are not familiar with this program, it provides funding for three years: year 1 with an expected 15-20 awards, each up to \$750,000 for nine months, and years 2-3 with an expected 5-6 awards, each up to \$5,000,000 for 24 months.

The workshop will be held virtually on the following dates:

- Friday, October 7, 2022 (8am-10am Pacific) – Microlab
- Tuesday, October 11, 2022 (8am-12noon Pacific) – Virtual Session 1
- Thursday, October 13, 2022 (8am-12noon Pacific) – Virtual Session 2
- Friday, October 14, 2022 (8am-12noon Pacific) – Virtual Session 3

If you are interested in participating, please submit an application through the workshop’s [webpage](#). **Deadline August 15, 2022.**

## Non-corona-associated literature

**[PDF]** [Association between Functional Connectivity of Entorhinal Cortex and Olfactory Performance in Parkinson's Disease](#)

W Fan, H Li, H Li, Y Li, J Wang, X Jia, Q Yang - Brain Sciences, 2022

**Olfactory** cleft mucus Galectin-10 predicts **olfactory** loss in chronic rhinosinusitis

Z Liu, J Hong, X Huang, D Wu - Annals of Allergy, Asthma & Immunology, 2022

[Associations of Prior Head Injury With Olfaction in Older Adults: Results From the Atherosclerosis Risk in Communities \(ARIC\) Study](#)

ALC Schneider, RF Gottesman, TH Mosley, S Shrestha... - JAMA Otolaryngology–Head ..., 2022

**[PDF]** [Migraine type-dependent patterns of brain activation after facial and intranasal trigeminal stimulation](#)

A Haehner, G Gosrau, F Bock, T Hummel, E Iannilli - 2022

**[HTML]** [Reducing Sodium Content in Cheeses While Increasing Salty Taste and Fat Perception Using Aroma](#)

A Syarifuddin, C Septier, C Salles, T Thomas-Danguin - Frontiers in Nutrition, 2022

Motor Cortex Response to Pleasant Odor Perception and Imagery: The Differential Role of Personality Dimensions and Imagery Ability.

Infortuna C, Gualano F, Freedberg D, Patel SP, Sheikh AM, Muscatello MRA, Bruno A, Mento C, Chusid E, Han Z, Thomas FP, Battaglia F. *Front Hum Neurosci*. 2022 Jul 12;16:943469.

Motor Cortex Response to Pleasant Odor Perception and Imagery: The Differential Role of Personality Dimensions and Imagery Ability.

Infortuna C, Gualano F, Freedberg D, Patel SP, Sheikh AM, Muscatello MRA, Bruno A, Mento C, Chusid E, Han Z, Thomas FP, Battaglia F. *Front Hum Neurosci*. 2022 Jul 12;16:943469.

Rapid **olfactory** decline during aging predicts dementia and GMV loss in AD brain regions.

Pacyna RR, Han SD, Wroblewski KE, McClintock MK, Pinto JM. *Alzheimers Dement*. 2022 Jul 28.

**Olfactory**, Auditory, and Vestibular Performance: Multisensory Impairment Is Significantly Associated With Incident Cognitive Impairment.

Lucas JC, Arambula Z, Arambula AM, Yu K, Farrokhian N, D'Silva L, Staecker H, Villwock JA. *Front Neurol*. 2022 Jul 11;13:910062.

Reducing Sodium Content in Cheeses While Increasing Salty **Taste** and Fat Perception Using Aroma.

Syarifuddin A, Septier C, Salles C, Thomas-Danguin T. *Front Nutr*. 2022 Jul 8;9:873427.

Alterations of Cerebral Blood Flow and Its Connectivity in **Olfactory**-Related Brain Regions of Type 2 Diabetes Mellitus Patients.

Luo W, Wang J, Chen M, Zhou S, Deng D, Liu F, Yu Y. *Front Neurosci*. 2022 Jul 11;16:904468.

Comparison of Clonazepam and Tongue Protector in the Treatment of Burning Mouth Syndrome.

Zborowski J, Konopka T. *Int J Environ Res Public Health*. 2022 Jul 24;19(15):8999.

Deep Learning-Based Segmentation of Post-Mortem Human's **Olfactory** Bulb Structures in X-ray Phase-Contrast Tomography.

Meshkov A, Khafizov A, Buzmakov A, Bukreeva I, Junemann O, Fratini M, Cedola A, Chukalina M, Yamaev A, Gigli G, Wilde F, Longo E, Asadchikov V, Saveliev S, Nikolaev D. *Tomography*. 2022 Jul 22;8(4):1854-1868.

**Olfaction** Recovery following Dupilumab Is Independent of Nasal Polyp Reduction in CRSwNP.

Cantone E, De Corso E, Ricciardiello F, Di Nola C, Grimaldi G, Allocca V, Motta G. *J Pers Med*. 2022 Jul 26;12(8):1215

Electrochemical Signal Amplification Strategies and Their Use in **Olfactory** and **Taste** Evaluation.

Wang X, Lu D, Liu Y, Wang W, Ren R, Li M, Liu D, Liu Y, Liu Y, Pang G. *Biosensors (Basel)*. 2022 Jul 26;12(8):566.

Association between Functional Connectivity of Entorhinal Cortex and **Olfactory** Performance in Parkinson's Disease.

Fan W, Li H, Li H, Li Y, Wang J, Jia X, Yang Q. *Brain Sci.* 2022 Jul 22;12(8):963.

Nasal Microbiota, **Olfactory** Health, Neurological Disorders and Aging-A Review.

Thangaleela S, Sivamaruthi BS, Kesika P, Bharathi M, Chaiyasut C. *Microorganisms.* 2022 Jul 12;10(7):1405

Sorting of Odor Dilutions Is a Meaningful Addition to Assessments of **Olfactory** Function as Suggested by Machine-Learning-Based Analyses.

Lötsch J, Huster A, Hummel T. *J Clin Med.* 2022 Jul 11;11(14):4012.

Daily briefing: Why **smells** bring back such specific memories.

Graham F. *Nature.* 2022 Jul 25.

The Neuroanatomic Correlates of **Olfactory** Identification Impairment in Healthy Older Adults and in Persons with Mild Cognitive Impairment.

Kamath V, Senjem ML, Spykalla AJ, Chen H, Palta P, Mosley TH, Windham BG, Griswold M, Knopman DS, Gottesman RF, Jack CR, Sharrett AR, Schneider AL. *J Alzheimers Dis.* 2022 Jul 16.

**Olfactory** cleft mucus Galectin-10 predicts **olfactory** loss in chronic rhinosinuitis.

Liu Z, Hong J, Huang X, Wu D. *Ann Allergy Asthma Immunol.* 2022 Jul 20:S1081-1206(22)00599-3.

The Western Australia **Olfactory** Memory Test: Reliability and Validity in a Sample of Older Adults.

Seneviratne R, Weinborn M, Badcock DR, Gavett BE, Laws M, Taddei K, Martins RN, Sohrabi HR. *Arch Clin Neuropsychol.* 2022 Jul 24:acac048.

## Corona-associated literature

The Impact of the COVID-19 Pandemic on Physical Activity, Function, and Quality of Life.

Said CM, Batchelor F, Duque G. *Clin Geriatr Med.* 2022 Aug;38(3):519-531.

Entorhinal Cortex and Persistent **Olfactory** Loss in COVID-19 Patients: A Neuroanatomical Hypothesis. Comment on Fiorentino et al. Correlations between Persistent **Olfactory** and Semantic Memory Disorders after SARS-CoV-2 Infection. *Brain Sci.* 2022, 12, 714.

De Luca P, Marra P, La Mantia I, Salzano FA, Camaioni A, Di Stadio A. *Brain Sci.* 2022 Jun 29;12(7):850.

Anosmia Testing as Early Detection of SARS-CoV-2 Positivity; A Prospective Study under Screening Conditions.

Jungbauer F, Gerhards C, Thiaucourt M, Behnes M, Rotter N, Schell A, Haselmann V, Neumaier M, Kittel M. *Life (Basel).* 2022 Jun 28;12(7):968

[Asthma and Cacosmia Could Be Predictive Factors of \*\*Olfactory\*\* Dysfunction Persistence 9 Months after SARS-CoV-2 Infection: The ANOSVID Study.](#)

Tipirdamaz C, Zayet S, Osman M, Mercier J, Bouvier E, Gendrin V, Bouiller K, Lepiller Q, Toko L, Pierron A, Royer PY, Garnier P, Kadiane-Oussou NJ, Chirouze C, Klopfenstein T. *Life (Basel)*. 2022 Jun 21;12(7):929.

[COVID-19 and \*\*olfactory\*\* dysfunction: a looming wave of dementia?](#)

Kay LM. *J Neurophysiol*. 2022 Jul 27.

[Prognosis and persistence of \*\*smell\*\* and \*\*taste\*\* dysfunction in patients with covid-19: meta-analysis with parametric cure modelling of recovery curves.](#)

Tan BKJ, Han R, Zhao JJ, Tan NKW, Quah ESH, Tan CJ, Chan YH, Teo NWY, Charn TC, See A, Xu S, Chapurin N, Chandra RK, Chowdhury N, Butowt R, von Bartheld CS, Kumar BN, Hopkins C, Toh ST. *BMJ*. 2022 Jul 27;378:e069503.

[The burden of prolonged \*\*smell\*\* and \*\*taste\*\* loss in covid-19.](#)

Kye Wen Tan N, Jing-Wen C, Tan, Kye Jyn Tan B, Han R, Zhao JJ, Sen Hui Quah E, Kelly C, Wei Yang Teo N, See A, Toh ST, Hopkins C. *BMJ*. 2022 Jul 27;378:o1895.

[The COVANOS trial - insight into post-COVID \*\*olfactory\*\* dysfunction and the role of \*\*smell\*\* training.](#)

Lechner M, Liu J, Counsell N, Gillespie D, Chandrasekharan D, Ta NH, Jumani K, Gupta R, Rao-Merugumala S, Rocke J, Williams C, Tetteh A, Amnolsingh R, Khwaja S, Batterham RL, Yan CH, Treibel TA, Moon JC, Woods J, Brunton R, Boardman J, Paun S, Eynon-Lewis N, Kumar BN, Jayaraj S, Hopkins C, Philpott C, Lund VJ. *Rhinology*. 2022 Jul 28. doi: 10.4193/Rhin21.470.

[Correspondence to the editor regarding "Nasal inflammatory profile in patients with COVID-19 \*\*olfactory\*\* dysfunctions".](#)

Min HJ. *Int Forum Allergy Rhinol*. 2022 Jul 28.

[Intensive \*\*Olfactory\*\* Training in Post-COVID-19 Patients: A Multicenter Randomized Clinical Trial](#)

ÍAT Pires, ST Steffens, AG Mocelin, DE Shibukawa... - *American Journal of ...*, 2022

[\[HTML\] Self-Reported \*\*Olfactory\*\* and Gustatory Dysfunctions in Hospitalized Patients Infected with SARS-CoV-2 Delta Variant](#)

W Du, Y Dang, Z Xu, F Chen - *Ear, Nose & Throat Journal*, 2022

[\[PDF\] Prevalence of Persistent \*\*Olfactory\*\* Disorders in Patients With COVID-19: A Psychophysical Case-Control Study With 1-Year Follow-up](#)

MD Angelantonio Maglio, MD Marzia Petrocelli... - *Head and Neck Surgery*, 2022

[Effectiveness and safety of PRP on persistent \*\*olfactory\*\* dysfunction related to COVID-19.](#)

Steffens Y, Le Bon SD, Lechien J, Prunier L, Rodriguez A, Saussez S, Horoi M. *Eur Arch Otorhinolaryngol*. 2022 Jul 29.

Effects of classical **olfactory** training in patients with COVID-19-related persistent loss of **smell**.

Yaylacı A, Azak E, Önal A, Aktürk DR, Karadenizli A. *Eur Arch Otorhinolaryngol*. 2022 Jul 29.

Author's reply to the Letter to the Editor "The study of **olfactory** dysfunction in SARS-CoV-2 variants".

Hintschich CA, Vielsmeier V, Bohr C, Hagemann J, Klimek L. *Eur Arch Otorhinolaryngol*. 2022 Jul 29.

The Prevalence and Implications of **Olfactory/Gustatory** Dysfunctions among Adult COVID-19 Patients: A Retrospective Cohort Multiethnic Populations Study.

Hafez W, Abdelshakor M, Gador M, Abdelli I, Ahmed S. *Trop Med Infect Dis*. 2022 Jun 23;7(7):115.

Revealing the mystery of persistent **smell** loss in Long COVID patients.

Park JW, Wang X, Xu RH. *Int J Biol Sci*. 2022 Jul 15;18(12):4795-4808.

Neuropsychiatric sequelae of long COVID-19: Pilot results from the COVID-19 neurological and molecular prospective cohort study in Georgia, USA.

Chen AK, Wang X, McCluskey LP, Morgan JC, Switzer JA, Mehta R, Tingen M, Su S, Harris RA, Hess DC, Rutkowski EK. *Brain Behav Immun Health*. 2022 Jul 18:100491.

Iranian **Smell** Diagnostic Test in Covid-19 Disease; Report of Covid-19 Center of North of Iran.

Alijanpour S, Saadat P, Shokri M, Saadat S, Khodami A. *Caspian J Intern Med*. 2022;13(Suppl 3):204-210.

#### The extra read

How to use modern science to reconstruct ancient scents.

Huber B, Larsen T, Spengler RN, Boivin N. *Nat Hum Behav*. 2022 May;6(5):611-614. doi: 10.1038/s41562-022-01325-7.

The neural basis of sugar preference.

Liu WW, Bohórquez DV. *Nat Rev Neurosci*. 2022 Jul 25.