

# Association for Chemoreception Sciences: Fostering Research and Understanding of the Chemical Senses in Health & Disease

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*The 43rd annual AChemS meeting welcomed scientists from around the world to present their latest research findings on myriad topics around chemosensation.*

GLENVIEW, ILLINOIS, UNITED STATES, November 23, 2021 /EINPresswire.com/ -- Across 5 days in April (19-23) scientists from around the world gathered virtually to present and discuss new information on the role of the chemical senses in disease, nutrition, and social interactions in humans and animals. The 43rd annual AChemS meeting welcomed scientists from around the world to present their latest research findings on myriad topics around chemosensation, ranging from molecular mechanisms through cognitive processes and associated behaviors. Globally, thousands of people experience loss or dysfunction of the chemical senses (olfaction (smell), gustation (taste), and chemesthesis (touch, temperature, irritation)) each year resulting from head trauma, sinus disease, cancer, and neurological disorders, such as stroke, multiple sclerosis, and Alzheimer's disease, among others. Most recently, loss of smell and/or taste has presented as a troubling symptom of the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), which has infected millions globally. By providing a better understanding of the function of chemosensory systems, scientific and biomedical research is leading to improvements in the diagnosis and treatment of many disorders.

## [Press Abstracts](#)

Selected new discoveries presented at the meeting include:

AChemS Founder Max Mozell: A Lifetime of Sniffing Out Answers about the Sense of Smell  
Contact: Theresa White, +1(315)445-4340, whitetl@lemoyne.edu

Some people's saliva made better emulsions with stronger taste  
Contact: Li-Chu Huang, +1(765)494-2282, huan1472@purdue.edu

Adult taste neuron structure changes quickly over time, but this remodeling is restricted to the inside of taste buds  
Contact: Zachary Whiddon, +1(734)709-7523, z0whid01@louisville.edu

Chemosensory Dysfunction in COVID-19: Behavioral and Neurobiological Factors

Contact: Shima T. Moein, +98(912)204-1796, sh.talehy@gmail.com

Exciting the Neurons of the Olfactory Bulb Can Prevent Obesity

Contact: Louis Kolling, +1(850)363-8121, ljc16b@my.fsu.edu

Development of flavor perception in kids

Contact: Sarah Colbert, +1(336)452-0239, scolbert@wakehealth.edu

Modulation of the odor response by irritants

Contact: Federica Genovese, +1(267)519-4847, fgenovese@monell.org

Interspecific chemosensory communication of emotions: Reciprocal recognition of fear and non-fear body odour between humans and horses

Contact: Agnieszka Sabiniewicz, +48(513)138-302, a.sabiniewicz@gmail.com

Cats love some plants

Contact: Masao Miyazaki, +81(19)621-6154, mmasao@iwate-u.ac.jp

Effects on Growth of Smell and Taste of Milk During Tube Feeding of Preterm Infants

Contact: Friederike Beker, +61(481)54-1286, friederike.beker@mater.org.au

Identifying odors by name is difficult, but some people are better odor namers than others (and some odors are easier to name)

Contact: Sarah Cormiea, +1(617)302-0009, sarah.cormiea@gmail.com

Additionally, together with clinicians and researchers, members of the AChemS community hosted the inaugural World Taste & Smell Day on September 14th, 2021.

World Taste & Smell Day is a celebration of taste and smell intended to promote awareness, understanding, and appreciation of these essential, yet often neglected, senses. This virtual event also uniquely acted as both a forum for interpersonal support and a clinical resource to the many experiencing taste and/or smell dysfunctions from COVID-19 or other causes.

Highlights from this year's event and information on next year's World Smell & Taste Day are available at <https://www.tasteandsmell.world/> or by contacting Kareen Kreeger at [kkreeger@monell.org](mailto:kkreeger@monell.org).

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