

Date	Sep. 25 (Thu)-26 (Fri), 2025
Venue	NEWILHAN Memorial Hall, Avison Biomedical Research Center, Yonsei University
Organizers	Cheil Moon, Seok Jun Moon
Committee	Kyung-Nyun Kim, JaeHyung Koo, Yong Taek Jeong, Myunghwan Choi

Sep. 25th (Thu)

14:00~18:00

Session I : *Olfaction*

- | Structural Study of Class I Odorant Receptors
- | Chil4 regulates olfactory epithelium homeostasis and regeneration
- | Epigenetic repressor of enhancer networks dictate monogenic olfactory receptor
- | Is the Explosive Expansion of Olfactory Receptor Genes Related to Odor Perception?
- | Extra-nasal odorant G protein-coupled receptors

Seung-Jun Yoo Hanyang Univ.

Donggen Luo Peking Univ.

Hee-Jung Choi Seoul Nat'l Univ.

Yiqun Yu Fudan Univ

Qian Li Shanghai Jiao Tong Univ.

Yoshihito Niimura Miyazaki Univ.

JaeHyung Koo DGIST

Plenary lecture I

- | Assessing olfactory function: lessons learned from the COVID-19 pandemic

Cheil Moon DGIST

Steven Munger Univ. of Virginia

Welcome Dinner

Sep. 26th (Fri)

09:30~17:30

Session II : *Taste*

- | Maternal aging affects the activities of a sensory neuron via a small RNA pathway
- | Unilateral ephaptic program for sweetness dominance in Drosophila
- | Structural pharmacology studies of human bitter taste receptors
- | The neural mechanism regulating stress-induced taste modification
- | Channel synapse mediates neurotransmission of airway protective chemoreflexes

Myunghwan Choi Seoul Nat'l Univ.

Haruki Takeuchi Univ. of Tokyo

Kyuhyung Kim DGIST

Kyung Jin Kang KBRI

Tian Hua ShangHai Tech. Univ.

Ken-ichiro Nakajima Nagoya Univ.

Akiyuki Taruno Kyoto Prefectural Univ.

Lunch and Poster

11:40~14:00

Session III : *Chemosensory decoding and behavior*

- | Neural mechanisms underlying odor-induced persistent defensive behavior
- | Non-Invasive Modulation and Monitoring of Human Olfactory Function
- | Neural mechanisms of a socially transmitted long-term olfactory memory
- | Chemical pest defense by the characteristic response to iridoid-producing plants in Felidae animals
- | Decoding Human Brain Activity in Olfaction: Insights from EEG

Wen Zhou Institute of Psychology, CAS

Yong Taek Jeong Korea Univ.

Haruki Takeuchi Univ. of Tokyo

Yongwoo Jang Hanyang Univ.

Zhihui Liu Institute of Biophysics, CAS

Masao Miyazaki Iwate Univ.

Masako Okamoto Univ. of Tokyo

Plenary lecture II

- | Chemosensory signal, receptor, and behavior

Kyung-Nyun Kim GWNU

Kazushige Touhara Univ. of Tokyo

Korea Society for Brain and Neural Science / Korea Society for Chemosensation and Ingestive behaviors

Center for Convergence Research on Taste-Oral Functions / Brain Korea 21 FOUR Project for INNO-Dent Convergence Academy, Yonsei University College of Dentistry

Convergence Research Advanced Centre for Olfaction, DGIST / Daegu Gyeongbuk Institute of Science and Technology



한국뇌신경과학회
The Korean Society for
Brain and Neural Sciences



미각-구강기능 융합연구센터
Center for Convergence Research on Taste-Oral Functions



연세대학교
응용생명과학과



창의치의학융합 교육연구단



후각융합연구센터
Convergence Research Advanced Centre for Olfaction



2025 Asian ChemoSensory Meeting (ACSM) in Korea

* **Date:** September 25th (Thu) – 26th (Fri), 2025

* **Venue:** Yonsei University, Avison Biomedical Research Center, New II Han Hall

* **Organizer:** Cheil Moon, Seok Jun Moon

* **Committee:** Kyung-Nyun Kim, JaeHyung Koo, Yong Taek Jeong, Myunghwan Choi

September 25th (Thu)	
~14:20	Registration
14:20-14:30	Opening ceremony Seok Jun Moon (President of KoSCI, Yonsei Univ.)
14:30-16:45 (20 + 5 min)	Session I Olfaction Chairs : Seung-Jun Yoo (DGIST) and Donggen Luo (Peking Univ.) <i>Structural Study of Class I Odorant Receptors</i> Hee-Jung Choi (Seoul Nat'l Univ.) <i>Chil4 regulates olfactory epithelium homeostasis and regeneration</i> Yiqun Yu (Fudan Univ) <i>Epigenetic repressor of enhancer networks dictate monogenic olfactory receptor expression</i> Qian Li (Shanghai Jiao Tong Univ.) <i>Is the Explosive Expansion of Olfactory Receptor Genes Related to Odor Perception?</i> Yoshihito Niimura (Miyazaki Univ.) <i>Extra-nasal odorant G protein-coupled receptors</i> JaeHyung Koo (DGIST)
16:45-17:05	Coffee break
17:05-17:55 (50 min)	Plenary lecture I Chair : Cheil Moon (DGIST) <i>Assessing olfactory function: lessons learned from the COVID-19 pandemic</i> Steven Munger (Univ. of Virginia)
18:00-	Dinner (Invited participants)
September 26th (Fri)	
09:30-11:35 (20 + 5 min)	Session II Taste Chair : Myunghwan Choi (Seoul Natl' Univ.) and Haruki Takeuchi (Univ. of Tokyo) <i>Maternal aging affects the activities of a sensory neuron via a small RNA pathway</i> Kyuhyung Kim (DGIST)

	<p><i>Unilateral ephaptic program for sweetness dominance in Drosophila</i> Kyung Jin Kang (Korea Brain Research Institute)</p> <p><i>Structural pharmacology studies of human bitter taste receptors</i> Tian Hua (ShangHai Tech. Univ.)</p> <p><i>The neural mechanism regulating stress-induced taste modification</i> Ken-ichiro Nakajima (Nagoya Univ.)</p> <p><i>Channel synapse mediates neurotransmission of airway protective chemoreflexes</i> Akiyuki Taruno (Kyoto Prefectural Univ. of Medicine)</p>
11:40-14:00	Lunch and Poster
14:00-16:05 (20 + 5 min)	<p>Session III Chemosensory decoding and behavior</p> <p>Chair : Wen Zhou (Institute of Psychology, Chinese Academy Sciences) and Yong Taek Jeong (Korea Univ.)</p> <p><i>Neural mechanisms underlying odor-induced persistent defensive behavior</i> Haruki Takeuchi (Univ. of Tokyo)</p> <p><i>Non-Invasive Modulation and Monitoring of Human Olfactory Function</i> Yongwoo Jang (Hanyang Univ.)</p> <p><i>Neural mechanisms of a socially transmitter long-term olfactory memory</i> Zihui Liu (Xuzhou Medical Univ.)</p> <p><i>Chemical pest defense by the characteristic response to iridoid-producing plants in Felidae animals</i> Masao Miyazaki (Iwate Univ.)</p> <p><i>Decoding Human Brain Activity in Olfaction: Insights from EEG</i> Masako Okamoto (Univ. of Tokyo)</p>
16:05-16:25	Coffee break
16:25-17:15 (50 min)	<p>Plenary lecture II Chair : Kyung-Nyun Kim (GWNNU)</p> <p><i>Chemosensory signal, receptor, and behavior</i> Kazushige Touhara (Univ. of Tokyo)</p>
17:15-	<p>Close remark</p> <p>Cheil Moon or Yiqun Yu</p>