

# Chemical Senses



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Salt Processing in Larval *Drosophila*: Concentration-Dependent Behavioral Shift

Genetic Analysis of Gustatory Structures in Mice

In association with  
Association for Chemoreception Sciences  
European Chemoreception Research Organization  
Japanese Association for the Study of Taste and Smell

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**Cover image:** Scanning electromicrograph portrait of a *Drosophila* larva (see Niewalda et al. 685–692). The mouth opening in the middle is surrounded by rows of cirri. The external chemosensory organs can be discerned as the dome-shaped dorsal organs, housing both olfactory and gustatory sensory neurons, and as the wart-like terminal organ, which houses gustatory sensory neurons. The tiny ventral organ, also gustatory in nature, is hidden by the cirri. Note that the internal, pharyngeal taste organs are not visible as they are located along the pharynx. Copyright Kirsia Neurser, Universität Würzburg.

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