Resource Summary Report

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Olfactory Bulb Odor Map DataBase (OdorMapDB)

RRID:SCR_007287
Type: Tool

Proper Citation

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Resource Information

URL: http://senselab.med.yale.edu/odormapdb

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Description: OdorMapDB is designed to be a database to support the experimental analysis of the molecular and functional organization of the olfactory bulb and its basis for the perception of smell. It is primarily concerned with archiving, searching and analyzing maps of the olfactory bulb generated by different methods. The first aim is to facilitate comparison of activity patterns elicited by odor stimulation in the glomerular layer obtained by different methods in different species. It is further aimed at facilitating comparison of these maps with molecular maps of the projections of olfactory receptor neuron subsets to different glomeruli, especially for gene targeted animals and for antibody staining. The main maps archived here are based on original studies using 2-deoxyglucose and on current studies using high resolution fMRI in mouse and rat. Links are also provided to sites containing maps by other laboratories. OdorMapDB thus serves as a nodal point in a multilaboratory effort to construct consensus maps integrating data from different methodological approaches. OdorMapDB is integrated with two other databases in SenseLab: ORDB, a database of olfactory receptor genes and proteins, and OdorDB, a database of odor molecules that serve as ligands for the olfactory receptor proteins. The combined use of the three integrated databases allows the user to identify odor ligands that activate olfactory receptors that project to specific glomeruli that are involved in generating the odor activity maps.

Abbreviations: OdorMapDB

Synonyms: OdorMap DB, Odor Map Database

Resource Type: atlas, data or information resource, database

Defining Citation: PMID:15067166

Keywords: odor, male, urine, mouse, methyl anisole, patchone, indole, helional, butyrophenone, fenchone, olfactory bulb, fmri, rat, odor ligand, olfactory receptor, smell

Related Condition: Aging

Funding: The Human Brain Project ;
NIMH ;
NIA ;
NICD ;
NINDS ;
Multidisciplinary University Research Initiative ;
NIDCD RO1 DC 009977

Resource Name: Olfactory Bulb Odor Map DataBase (OdorMapDB)

Resource ID: SCR_007287

Alternate IDs: nif-0000-00057

Record Creation Time: 20220129T080241+0000

Record Last Update: 20260919T195703+0000

Ratings and Alerts

No rating or validation information has been found for Olfactory Bulb Odor Map DataBase (OdorMapDB).

No alerts have been found for Olfactory Bulb Odor Map DataBase (OdorMapDB).

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.