

# Resource Summary Report

Generated by [NIF](#) on Apr 18, 2025

## Glomerular Activity Response Archive

RRID:SCR\_002089

Type: Tool

### Proper Citation

Glomerular Activity Response Archive (RRID:SCR\_002089)

### Resource Information

**URL:** <http://gara.bio.uci.edu>

**Proper Citation:** Glomerular Activity Response Archive (RRID:SCR\_002089)

**Description:** THIS RESOURCE IS NO LONGER IN SERVICE, documented on April 24, 2017. Database of images depicting the spatial distribution of 2-deoxyglucose uptake evoked in the glomerular layer of the rat olfactory bulb in response to a wide range of defined odorant stimuli. A number of different display and comparison tools are provided allowing patterns to be viewed from different perspectives, and descriptions of the methods and interpretations of these data are provided. Some of the more advanced tools require you to download software.

**Abbreviations:** GARA

**Synonyms:** Glomerular Response Archive

**Resource Type:** database, image collection, service resource, production service resource, data analysis service, analysis service resource, data or information resource

**Keywords:** rat, olfactory bulb, odorant stimuli, odorant, odor, glomerular

**Funding:** Human Brain Project ;  
NIMH ;  
NIDCD

**Availability:** THIS RESOURCE IS NO LONGER IN SERVICE

**Resource Name:** Glomerular Activity Response Archive

**Resource ID:** SCR\_002089

**Alternate IDs:** nif-0000-00339

**Record Creation Time:** 20220129T080211+0000

**Record Last Update:** 20250418T054955+0000

---

## Ratings and Alerts

No rating or validation information has been found for Glomerular Activity Response Archive.

No alerts have been found for Glomerular Activity Response Archive.

---

## Data and Source Information

**Source:** [SciCrunch Registry](#)

---

## Usage and Citation Metrics

We found 10 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [NIF](#).

Liu A, et al. (2017) Prenatal and Early Postnatal Odorant Exposure Heightens Odor-Evoked Mitral Cell Responses in the Mouse Olfactory Bulb. *eNeuro*, 4(5).

Soh Z, et al. (2016) A Mathematical Model of the Olfactory Bulb for the Selective Adaptation Mechanism in the Rodent Olfactory System. *PloS one*, 11(12), e0165230.

Yuan Q, et al. (2014) Learning modulation of odor representations: new findings from Arc-indexed networks. *Frontiers in cellular neuroscience*, 8, 423.

Kanaya K, et al. (2014) Innate immune responses and neuroepithelial degeneration and regeneration in the mouse olfactory mucosa induced by intranasal administration of Poly(I:C). *Cell and tissue research*, 357(1), 279.

Belnoue L, et al. (2013) Prenatal stress inhibits hippocampal neurogenesis but spares olfactory bulb neurogenesis. *PloS one*, 8(8), e72972.

Fonollosa J, et al. (2012) Quality coding by neural populations in the early olfactory pathway: analysis using information theory and lessons for artificial olfactory systems. *PloS one*, 7(6), e37809.

Martin C, et al. (2012) Alteration of sensory-evoked metabolic and oscillatory activities in the olfactory bulb of GLAST-deficient mice. *Frontiers in neural circuits*, 6, 1.

Auffarth B, et al. (2011) Continuous Spatial Representations in the Olfactory Bulb may Reflect Perceptual Categories. *Frontiers in systems neuroscience*, 5, 82.

Galizia CG, et al. (2010) Integrating heterogeneous odor response data into a common response model: A DoOR to the complete olfactome. *Chemical senses*, 35(7), 551.

Homma R, et al. (2009) Perceptual stability during dramatic changes in olfactory bulb activation maps and dramatic declines in activation amplitudes. *The European journal of neuroscience*, 29(5), 1027.