

Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

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>

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

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 [SPARC SAWG](#) .

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.