## **Resource Summary Report**

Generated by <u>NIF</u> on May 15, 2025

# **Clarity resources**

RRID:SCR\_001387 Type: Tool

### **Proper Citation**

Clarity resources (RRID:SCR\_001387)

## **Resource Information**

URL: http://clarityresourcecenter.org/

Proper Citation: Clarity resources (RRID:SCR\_001387)

**Description:** Protocols and other training materials related to the CLARITY protocol, a technique for the transformation of intact tissue into a nanoporous hydrogel-hybridized form (crosslinked to a three-dimensional network of hydrophilic polymers) that is fully assembled but optically transparent and macromolecule-permeable.

Abbreviations: CLARITY Resources

Synonyms: Clarity resource

**Resource Type:** narrative resource, training resource, experimental protocol, video resource, data or information resource

Defining Citation: PMID:23575631

**Keywords:** workshop, protocol, specimen preparation, transparent brain, glass brain, brain, neuroimaging, phenotyping, tissue, brain tissue, cortex, hippocampus, thalamus, ventral, brainstem

Funding: NIMH 4R01MH099647-05

Resource Name: Clarity resources

Resource ID: SCR\_001387

Alternate IDs: nlx\_152559

#### Record Creation Time: 20220129T080207+0000

Record Last Update: 20250514T061202+0000

## **Ratings and Alerts**

No rating or validation information has been found for Clarity resources.

No alerts have been found for Clarity resources.

## Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Shapourian H, et al. (2024) TIM-3/Galectin-9 interaction and glutamine metabolism in AML cell lines, HL-60 and THP-1. BMC cancer, 24(1), 125.

Singhal V, et al. (2024) BANKSY unifies cell typing and tissue domain segmentation for scalable spatial omics data analysis. Nature genetics, 56(3), 431.

Hu Y, et al. (2024) Unsupervised and supervised discovery of tissue cellular neighborhoods from cell phenotypes. Nature methods, 21(2), 267.

Forster NA, et al. (2023) Microplastic surface retention and mobility on hiking trails. Environmental science and pollution research international, 30(16), 46368.

Cruz LRO, et al. (2020) The Effect of Nitrogen Input on Chemical Profile and Bioactive Properties of Green- and Red-Colored Basil Cultivars. Antioxidants (Basel, Switzerland), 9(11).

Trousil J, et al. (2020) Antitubercular nanocarrier monotherapy: Study of In Vivo efficacy and pharmacokinetics for rifampicin. Journal of controlled release : official journal of the Controlled Release Society, 321, 312.

Gonçalves FAMM, et al. (2020) The Impact of the Addition of Compatibilizers on Poly (lactic acid) (PLA) Properties after Extrusion Process. Polymers, 12(11).

Gazdag O, et al. (2019) Density and Diversity of Microbial Symbionts under Organic and Conventional Agricultural Management. Microbes and environments, 34(3), 234.

Serita T, et al. (2017) Constitutive activation of CREB in mice enhances temporal association learning and increases hippocampal CA1 neuronal spine density and complexity. Scientific reports, 7, 42528.

Hsueh B, et al. (2017) Pathways to clinical CLARITY: volumetric analysis of irregular, soft, and heterogeneous tissues in development and disease. Scientific reports, 7(1), 5899.

Sylwestrak EL, et al. (2016) Multiplexed Intact-Tissue Transcriptional Analysis at Cellular Resolution. Cell, 164(4), 792.

Jiang H, et al. (2016) Adult Conditional Knockout of PGC-1? Leads to Loss of Dopamine Neurons. eNeuro, 3(4).

Lerner TN, et al. (2015) Intact-Brain Analyses Reveal Distinct Information Carried by SNc Dopamine Subcircuits. Cell, 162(3), 635.

Adhikari A, et al. (2015) Basomedial amygdala mediates top-down control of anxiety and fear. Nature, 527(7577), 179.

Spence RD, et al. (2014) Bringing CLARITY to gray matter atrophy. NeuroImage, 101, 625.