

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

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: experimental protocol, video resource, training resource, data or information resource, narrative 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

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Clarity resources

Resource ID: SCR_001387

Alternate IDs: nlx_152559

Record Creation Time: 20220129T080207+0000

Record Last Update: 20260731T042608+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 18 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Ma X, et al. (2025) Reference-Informed Spatial Domain Detection Using Weak Supervision for Spatial Transcriptomics. bioRxiv : the preprint server for biology.

Wang H, et al. (2025) Denoising spatially resolved transcriptomics with consistency of heterogeneous spatial coordinates, transcription, and morphology. Briefings in bioinformatics, 26(5).

Camargo-Ayala L, et al. (2025) Rational design, synthesis, and evaluation of novel polypharmacological compounds targeting NaV1.5, KV1.5, and K2P channels for atrial fibrillation. The Journal of biological chemistry, 301(4), 108387.

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

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

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.

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.

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.

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.

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 α 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.