

Resource Summary Report

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NIMP: Neuroanatomy-anchored Information Management Platform for Collaborative BICAN Data Generation

RRID:SCR_024684

Type: Tool

Proper Citation

NIMP: Neuroanatomy-anchored Information Management Platform for Collaborative BICAN Data Generation (RRID:SCR_024684)

Resource Information

URL: <https://brain-specimenportal.org/>

Proper Citation: NIMP: Neuroanatomy-anchored Information Management Platform for Collaborative BICAN Data Generation (RRID:SCR_024684)

Description: Web application that tracks the status of the BICAN consortium tissue samples and related data. NIMP is developed under NIH BRAIN Initiative's BICAN U24MH130988 award as a part of the coordinating unit for biostatistics, informatics, and engagement (CUBIE) for the BRAIN Initiative Cell Atlas Network (BICAN) program. NIMP consists of two portals for BICAN collaborative data generation: the Specimen Portal and the Sequence Library (SeqLib) Portal. The Specimen Portal focuses on tissue management from donors to brain slabs and annotated brain samples. The SeqLib Portal manages the workflow starting from tissue, all the way downstream to track data deposition to assay-dependent, data-modality-specific archives. Both portals work in tandem to generate multimodal genomic data that can be traced back to their anatomical origins using the Allen Brain Atlas. The portals provide multiple types of data interfaces through dashboards, APIs, faceted queries, and batch data ingestion and exporting. All of the underlying functionalities are achieved through a robust agile development strategy using NHash resource identifiers, metadata standardization, active combinatorial dashboarding, resource provenance linkage and rendering (e.g. Sankey diagrams), and dedicated interfaces with NIH Neuro Biobank, sequencing centers, NeMO, and the larger BICAN data ecosystem.

Abbreviations: NIMP

Synonyms: BICAN Specimen Portal

Resource Type: data or information resource, organization portal, portal

Keywords: BICAN, BICAN consortium tissue samples and related data, data tracking,

Funding: NIMH U24MH130988

Availability: Restricted

Resource Name: NIMP: Neuroanatomy-anchored Information Management Platform for Collaborative BICAN Data Generation

Resource ID: SCR_024684

Alternate URLs: <https://specimenportal.com>

Record Creation Time: 20231115T050219+0000

Record Last Update: 20260829T182904+0000

Ratings and Alerts

No rating or validation information has been found for NIMP: Neuroanatomy-anchored Information Management Platform for Collaborative BICAN Data Generation.

No alerts have been found for NIMP: Neuroanatomy-anchored Information Management Platform for Collaborative BICAN Data Generation.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Ray PL, et al. (2026) A layered standards framework for integrating single-cell and spatial omics data into brain cell atlases. bioRxiv : the preprint server for biology.

Ding W, et al. (2026) A Multimodal Single-Cell Epigenomic and 3D Genome Atlas of the Human Basal Ganglia. bioRxiv : the preprint server for biology.

Berry JV, et al. (2025) UC Irvine's Brain Initiative Cell Atlas Network (BICAN) Brain Procurement Program for the Center for Multiomic Human Brain Cell Atlas Project. bioRxiv : the preprint server for biology.