

# Resource Summary Report

Generated by [kravitz2](#) on Sep 5, 2026

## SCORCH

RRID:SCR\_022600

Type: Tool

### Proper Citation

SCORCH (RRID:SCR\_022600)

### Resource Information

**URL:** <https://scorch.igs.umaryland.edu/>

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**Description:** Data coordination, analysis, and scientific outreach center to standardize and share single cell molecular HIV/SUD data by ensuring that data is FAIR. Program with mission of generating resources that would enable comprehensive tissue characterization at single cell level. This includes generating single nucleus transcriptomic data for identification of novel rare cell types, and enrichment of key cellular populations to inform pathophysiological understanding of CNS effects of SUD and HIV. Interdisciplinary effort, involving teams of investigators at ten institutions including Yale, Boston University, Mount Sinai, University of Nebraska Medical Center, Broad Institute, University of California San Diego, Weill Cornell Medicine, Allen Institute, Scripps Research as well as a Data Coordination Center hosted at Institute for Genome Sciences, University of Maryland Baltimore School of Medicine.

**Synonyms:** Single Cell Opioid Responses in the Context of HIV

**Resource Type:** data or information resource, portal, project portal

**Keywords:** FAIR data, standardize and share single cell molecular HIV/SUD data, tissue characterization at single cell level, single nucleus transcriptomic data, novel rare cell types, HIV, SUD

**Availability:** Free, Freely available

**Resource Name:** SCORCH

**Resource ID:** SCR\_022600

**Record Creation Time:** 20220729T050144+0000

**Record Last Update:** 20260904T000019+0000

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## Ratings and Alerts

No rating or validation information has been found for SCORCH.

No alerts have been found for SCORCH.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Chang L, et al. (2026) The 30th Scientific Conference of the Society on NeuroImmune Pharmacology in Annapolis, Maryland, May 3rd - 6th, 2026. NeuroImmune pharmacology and therapeutics, 5(1), 1.

Green AA, et al. (2026) Cell-type specific impact of opioid use disorder and HIV on the human forebrain and cerebellum. bioRxiv : the preprint server for biology.

Ellison AL, et al. (2026) Antiviral and anti-inflammatory effects of Cannabidiol in HIV/SIV infection. Brain, behavior, and immunity, 137, 106843.

Wilson AM, et al. (2025) Transcriptional impacts of substance use disorder and HIV on human ventral midbrain neurons and microglia. bioRxiv : the preprint server for biology.

Yang J, et al. (2025) Multi-omic Characterization of HIV Effects at Single Cell Level across Human Brain Regions. bioRxiv : the preprint server for biology.