

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

Scalable Analytics for Brain Exploration Research

RRID:SCR_018812

Type: Tool

Proper Citation

Scalable Analytics for Brain Exploration Research (RRID:SCR_018812)

Resource Information

URL: <https://github.com/aplbrain/saber>

Proper Citation: Scalable Analytics for Brain Exploration Research (RRID:SCR_018812)

Description: Library of containerized tools and workflow deployment system for enabling processing of large neuroimaging datasets. Provides canonical neuroimaging workflows specified in standard workflow language (CWL), integration with workflow execution engine (Airflow), imaging database (bossDB), and parameter database (Datajoint) to deploy workflows at scale, and tools to automate deployment and optimization of neuroimaging pipelines.

Abbreviations: SABER, saber

Resource Type: software toolkit, workflow software, software application, data processing software, software resource, software library

Defining Citation: [DOI:10.1101/615161v1.full](https://doi.org/10.1101/615161v1.full)

Keywords: Running containerized workflow, large neuroimaging datasets, canonical neuroimaging workflow, neuroimaging pipeline deployment, neuroimaging pipeline optimization

Funding: NIMH R24 MH114799

Availability: Free, Available for download, Freely available

Resource Name: Scalable Analytics for Brain Exploration Research

Resource ID: SCR_018812

License: Apache License 2.0

Record Creation Time: 20220129T080342+0000

Record Last Update: 20260801T042839+0000

Ratings and Alerts

No rating or validation information has been found for Scalable Analytics for Brain Exploration Research.

No alerts have been found for Scalable Analytics for Brain Exploration Research.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Johnson EC, et al. (2020) Toward a scalable framework for reproducible processing of volumetric, nanoscale neuroimaging datasets. GigaScience, 9(12).