

# Resource Summary Report

Generated by Kravitz on Sep 15, 2026

## SBIA

RRID:SCR\_013628

Type: Tool

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### Proper Citation

SBIA (RRID:SCR\_013628)

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### Resource Information

**URL:** <http://www.rad.upenn.edu/sbia/>

**Proper Citation:** SBIA (RRID:SCR\_013628)

**Description:** THIS RESOURCE IS NO LONGER IN SERVICE. Documented on June 2, 2023. A section of the Penn department of radiology, it is devoted to the development of computer-based image analysis methods and their application to clinical research studies. Image analysis methodologies include image registration, segmentation, population-based statistical analysis, biophysical modeling of anatomical deformations, and high-dimensional pattern classification. Clinical research studies spans a variety of clinical areas and organs, and they include brain diseases such as Alzheimer's disease and schizophrenia, evaluation of treatment effects in large clinical trials, diagnosis of cardiac diseases, and diagnosis prostate, breast and brain cancer. SBIA also performs small animal imaging research aiming to understand brain development in mouse models. It has multiple resources which can be accessed by researcher.

**Abbreviations:** SBIA

**Synonyms:** The Section for Biomedical Image Analysis, Section for Biomedical Image Analysis

**Resource Type:** access service resource, service resource

**Keywords:** effect, alzheimer's, analysis, anatomical, biomedical, biophysical, brain, cancer, breast cancer, cardiac, classification, clinical, computer, deformation, dimensional, disease, method, model, mouse, organ, pattern, prostate, registration, schizophrenia, segmentation, statistical analysis, study, treatment, image

**Availability:** THIS RESOURCE IS NO LONGER IN SERVICE.

**Resource Name:** SBIA

**Resource ID:** SCR\_013628

**Alternate IDs:** nif-0000-33052

**Record Creation Time:** 20220129T080317+0000

**Record Last Update:** 20260912T200036+0000

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## Ratings and Alerts

No rating or validation information has been found for SBIA.

No alerts have been found for SBIA.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Durkin K, et al. (2022) Body composition and chemotherapy toxicity in women with early breast cancer (CANDO-3): protocol for an observational cohort study. BMJ open, 12(2), e054412.

Da X, et al. (2014) Integration and relative value of biomarkers for prediction of MCI to AD progression: spatial patterns of brain atrophy, cognitive scores, APOE genotype and CSF biomarkers. NeuroImage. Clinical, 4, 164.

Toledo JB, et al. (2013) Clinical and multimodal biomarker correlates of ADNI neuropathological findings. Acta neuropathologica communications, 1, 65.

Xue Z, et al. (2006) Simulating deformations of MR brain images for validation of atlas-based segmentation and registration algorithms. NeuroImage, 33(3), 855.