

Resource Summary Report

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SBIA

RRID:SCR_013628

Type: Tool

Proper Citation

SBIA (RRID:SCR_013628)

Resource Information

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

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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: 20260811T043453+0000

Ratings and Alerts

No rating or validation information has been found for SBIA.

No alerts have been found for SBIA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

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.