

Resource Summary Report

Generated by PRECISE-TBI on Jul 29, 2026

SegAN

RRID:SCR_016215

Type: Tool

Proper Citation

SegAN (RRID:SCR_016215)

Resource Information

URL: <https://github.com/YuanXue1993/SegAN>

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Description: Image analysis software for medical image segmentation. The software is fueled by an end-to-end adversarial neural network that generates segmentation label maps.

Synonyms: Semantic Segmentation with Adversarial Learning (SegAN), Semantic Segmentation with Adversarial Learning, SegAN: Semantic Segmentation with Adversarial Learning

Resource Type: software application, image analysis software, software resource, data processing software

Keywords: neural, network, segmentation, pixel, spatial, image, medical, analysis, labelling, loss function, segmentor

Funding: NIH ;
NLM ;
LHNCBC HHSN276201500692P

Availability: Free, Available for download

Resource Name: SegAN

Resource ID: SCR_016215

License: MIT License

Record Creation Time: 20220129T080329+0000

Record Last Update: 20260728T043515+0000

Ratings and Alerts

No rating or validation information has been found for SegAN.

No alerts have been found for SegAN.

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 [PRECISE-TBI](#) .

Vinotha R, et al. (2024) Enhancing dysarthric speech recognition through SepFormer and hierarchical attention network models with multistage transfer learning. Scientific reports, 14(1), 29455.

Waliman M, et al. (2024) Automated Cell Lineage Reconstruction using Label-Free 4D Microscopy. bioRxiv : the preprint server for biology.

Waliman M, et al. (2024) Automated cell lineage reconstruction using label-free 4D microscopy. Genetics, 228(2).

Xue Y, et al. (2018) SegAN: Adversarial Network with Multi-scale L1 Loss for Medical Image Segmentation. Neuroinformatics, 16(3-4), 383.