

# Resource Summary Report

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## Spatially Constrained Parcellation

RRID:SCR\_002198

Type: Tool

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### Proper Citation

Spatially Constrained Parcellation (RRID:SCR\_002198)

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### Resource Information

**URL:** [http://www.nitrc.org/projects/cluster\\_roi/](http://www.nitrc.org/projects/cluster_roi/)

**Proper Citation:** Spatially Constrained Parcellation (RRID:SCR\_002198)

**Description:** A set of tools for deriving region of interest (ROI) atlases by whole brain clustering of task or resting state data. This resource also contains several atlases derived by parcellating publicly available resting state fMRI datasets. The initial release will include python scripts and ROI atlases developed to perform the analyses described in Craddock et. al., A whole brain fMRI atlas generated via spatially constrained spectral clustering, which is currently in revision in Human Brain Mapping. The scripts provide all of the tools necessary to derive an ROI atlases using spatially constrained Ncut spectral clustering. The scripts require python, numpy and scipy to run. Source code and parcellations now available! Go to [http://ccraddock.github.io/cluster\\_roi/](http://ccraddock.github.io/cluster_roi/) for more information.

**Abbreviations:** Spatially Constrained Parcellation

**Resource Type:** data or information resource, atlas, software resource

**Keywords:** magnetic resonance

**Availability:** Free, Available for download, Freely available

**Resource Name:** Spatially Constrained Parcellation

**Resource ID:** SCR\_002198

**Alternate IDs:** nlx\_155533

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**Record Creation Time:** 20220129T080212+0000

**Record Last Update:** 20260731T042632+0000

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### Ratings and Alerts

No rating or validation information has been found for Spatially Constrained Parcellation.

No alerts have been found for Spatially Constrained Parcellation.

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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 [NIF](#) .

Göttlich M, et al. (2017) Viewing socio-affective stimuli increases connectivity within an extended default mode network. *NeuroImage*, 148, 8.

Göttlich M, et al. (2015) BASCO: a toolbox for task-related functional connectivity. *Frontiers in systems neuroscience*, 9, 126.

Schaefer A, et al. (2014) Dynamic network participation of functional connectivity hubs assessed by resting-state fMRI. *Frontiers in human neuroscience*, 8, 195.

Craddock RC, et al. (2012) A whole brain fMRI atlas generated via spatially constrained spectral clustering. *Human brain mapping*, 33(8), 1914.