

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 27, 2024

Signed Differential Mapping

RRID:SCR_002554

Type: Tool

Proper Citation

Signed Differential Mapping (RRID:SCR_002554)

Resource Information

URL: <http://www.sdmproject.com/>

Proper Citation: Signed Differential Mapping (RRID:SCR_002554)

Description: Statistical method and software for conducting image- and coordinate-based meta-analysis of neuroimaging studies investigating differences in brain activity (e.g. BOLD response in fMRI, metabolism in PET) or structure (e.g. gray matter volume in VBM, voxel-based or TBSS white matter fractional anisotropy in DTI, etcetera).

Abbreviations: SDM

Resource Type: software resource

Keywords: magnetic resonance, pet, spect, fmri, vbm, meta-analysis

Availability: Free

Resource Name: Signed Differential Mapping

Resource ID: SCR_002554

Alternate IDs: nlx_155962

Alternate URLs: <http://www.nitrc.org/projects/sdm>

Ratings and Alerts

No rating or validation information has been found for Signed Differential Mapping.

No alerts have been found for Signed Differential Mapping.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 127 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Rao Y, et al. (2024) A systematic review and coordinate-based meta-analysis of fMRI studies on acupuncture at LR 3. *Frontiers in neuroscience*, 18, 1341567.

Li Q, et al. (2023) Resting-state brain functional alterations and their genetic mechanisms in drug-naïve first-episode psychosis. *Schizophrenia (Heidelberg, Germany)*, 9(1), 13.

Neumann N, et al. (2023) Common neural correlates of vestibular stimulation and fear learning: an fMRI meta-analysis. *Journal of neurology*, 270(4), 1843.

Lukito S, et al. (2023) Should perception of emotions be classified according to threat detection rather than emotional valence? An updated meta-analysis for a whole-brain atlas of emotional faces processing. *Journal of psychiatry & neuroscience : JPN*, 48(5), E376.

Sun S, et al. (2023) Meta-analysis of cortical thickness reduction in adult schizophrenia. *Journal of psychiatry & neuroscience : JPN*, 48(6), E461.

Li Z, et al. (2023) Inverted U-shaped brain development of cognitive control across the human lifespan. *bioRxiv : the preprint server for biology*.

Lavallé L, et al. (2023) The neural signature of reality-monitoring: A meta-analysis of functional neuroimaging studies. *Human brain mapping*, 44(11), 4372.

Wang T, et al. (2023) The effects of noninvasive brain stimulation on cognitive function in patients with mild cognitive impairment and Alzheimer's disease using resting-state functional magnetic resonance imaging: A systematic review and meta-analysis. *CNS neuroscience & therapeutics*, 29(11), 3160.

Zeng J, et al. (2023) A Meta-Analysis of Neural Correlates of Reward Anticipation in Individuals at Clinical Risk for Schizophrenia. *The international journal of neuropsychopharmacology*, 26(4), 280.

Huang X, et al. (2023) A multimodal meta-analysis of gray matter alterations in trigeminal neuralgia. *Frontiers in neurology*, 14, 1179896.

Lan H, et al. (2023) Shared and distinct abnormalities of brain magnetization transfer ratio in

schizophrenia and major depressive disorder: a comparative voxel-based meta-analysis. Chinese medical journal, 136(23), 2824.

Arrona-Cardoza P, et al. (2023) The Effects of Food Advertisements on Food Intake and Neural Activity: A Systematic Review and Meta-Analysis of Recent Experimental Studies. Advances in nutrition (Bethesda, Md.), 14(2), 339.

Xie H, et al. (2023) Commonalities and distinctions between the type 2 diabetes mellitus and Alzheimer's disease: a systematic review and multimodal neuroimaging meta-analysis. Frontiers in neuroscience, 17, 1301778.

Cai M, et al. (2023) Spontaneous brain activity abnormalities in migraine: A meta-analysis of functional neuroimaging. Human brain mapping, 44(2), 571.

Parlatini V, et al. (2023) White matter alterations in Attention-Deficit/Hyperactivity Disorder (ADHD): a systematic review of 129 diffusion imaging studies with meta-analysis. Molecular psychiatry, 28(10), 4098.

Chaudhary S, et al. (2023) Age-related reduction in trait anxiety: Behavioral and neural evidence of automaticity in negative facial emotion processing. NeuroImage, 276, 120207.

Mojtahedi SF, et al. (2023) Association between bacterial vaginosis and 25-Hydroxy vitamin D: a case-control study. BMC infectious diseases, 23(1), 208.

Zeng J, et al. (2023) A meta-analysis of the neural substrates of monetary reward anticipation and outcome in alcohol use disorder. Human brain mapping, 44(7), 2841.

Tao Q, et al. (2023) White matter microstructural abnormalities and gray matter volume alterations in obsessive-compulsive disorder: A coordinate-based meta-analysis. Journal of affective disorders, 320, 751.

van den Heuvel OA, et al. (2022) An overview of the first 5?years of the ENIGMA obsessive-compulsive disorder working group: The power of worldwide collaboration. Human brain mapping, 43(1), 23.