

Resource Summary Report

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ENIGMA: Enhancing Neuro Imaging Genetics Through Meta-Analysis

RRID:SCR_005515

Type: Tool

Proper Citation

ENIGMA: Enhancing Neuro Imaging Genetics Through Meta-Analysis
(RRID:SCR_005515)

Resource Information

URL: <http://enigma.ini.usc.edu/>

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Description: Network that brings together researchers in imaging genomics, to understand brain structure and function, based on MRI, DTI, fMRI and genomewide association scan (GWAS) data. The ENIGMA Network has several goals: * to create a network of like-minded individuals, interested in pushing forward the field of imaging genetics * to ensure promising findings are replicated via member collaborations, in order to satisfy the mandates of most journals * to share ideas, algorithms, data, and information on promising findings or methods * to facilitate training, including workshops and conferences on key methods and emerging directions in imaging genetics. Data sharing with other members of the ENIGMA Network is optional and by no means a requirement of joining the network. Genetics and Imaging Protocols are available.

Abbreviations: ENIGMA

Synonyms: Enhancing Neuro Imaging Genetics Through Meta-Analysis, ENIGMA Network

Resource Type: knowledge environment, narrative resource, data or information resource, experimental protocol

Keywords: mri, dti, fmri, genomewide association scan, imaging, genetics, genomics, brain, brain structure, brain function, application, clinical neuroinformatics, genetic association, genomic analysis, imaging genomics, imputation, loni pipeline, magnetic resonance, nifti, snp, gene

Availability: Creative Commons License

Resource Name: ENIGMA: Enhancing Neuro Imaging Genetics Through Meta-Analysis

Resource ID: SCR_005515

Alternate IDs: nlx_144613

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

Old URLs: <http://enigma.loni.ucla.edu/>

Record Creation Time: 20220129T080230+0000

Record Last Update: 20260803T040426+0000

Ratings and Alerts

No rating or validation information has been found for ENIGMA: Enhancing Neuro Imaging Genetics Through Meta-Analysis.

No alerts have been found for ENIGMA: Enhancing Neuro Imaging Genetics Through Meta-Analysis.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 215 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Hatch M, et al. (2025) Real-time aggression in youth and its connection to region-specific structural brain alterations. *Discover mental health*, 5(1), 124.

Kas MJH, et al. (2025) Precision psychiatry roadmap: towards a biology-informed framework for mental disorders. *Molecular psychiatry*, 30(8), 3846.

Brennan SO, et al. (2025) Genetically Proxied Phosphodiesterase Type 5 (PDE5) Inhibition and Risk of Dementia: A Drug Target Mendelian Randomization Study. *Molecular neurobiology*, 62(6), 7864.

Scholz A, et al. (2025) Controlled Antenatal Thyroid Screening Study III: Effects of Gestational Thyroid Status on Adolescent Brain Morphology. *The Journal of clinical endocrinology and metabolism*, 110(4), e1094.

Pareto D, et al. (2025) Image analysis research in neuroradiology: bridging clinical and technical domains. *Neuroradiology*, 67(7), 1649.

Zhan Y, et al. (2025) Causal association of sarcopenia-related traits with brain cortical structure: a bidirectional Mendelian randomization study. *Aging clinical and experimental*

research, 37(1), 57.

Steegers CPM, et al. (2025) Restrained Eating Features and Brain Morphology: A Pediatric Population-Based Study. *The International journal of eating disorders*, 58(8), 1440.

Langhammer T, et al. (2025) Design and methods of the research unit 5187 PREACT (towards precision psychotherapy for non-respondent patients: from signatures to predictions to clinical utility) - a study protocol for a multicentre observational study in outpatient clinics. *BMJ open*, 15(2), e094110.

Liu H, et al. (2025) A review of AI-based radiogenomics in neurodegenerative disease. *Frontiers in big data*, 8, 1515341.

Engman V, et al. (2025) The Role and Regulation of Intramuscular Sex Hormones in Skeletal Muscle: A Systematic Review. *The Journal of clinical endocrinology and metabolism*, 110(6), e1732.

Nerland S, et al. (2025) Cerebral cortical alterations in adolescent early-onset psychosis: a surface-based morphometry mega-analysis. *medRxiv : the preprint server for health sciences*.

Chen P, et al. (2025) Effects of light therapy on amygdala connectivity and serotonergic system in young adults with subthreshold depression. *Dialogues in clinical neuroscience*, 27(1), 184.

Baaklini M, et al. (2025) Deep learning for MRI-based acute and subacute ischaemic stroke lesion segmentation-a systematic review, meta-analysis, and pilot evaluation of key results. *Frontiers in medical technology*, 7, 1491197.

Couvy-Duchesne B, et al. (2025) Grey-Matter Structure Markers of Alzheimer's Disease, Alzheimer's Conversion, Functioning and Cognition: A Meta-Analysis Across 11 Cohorts. *Human brain mapping*, 46(2), e70089.

Belbasis L, et al. (2025) Mendelian randomization identifies proteins involved in neurodegenerative diseases. *Brain : a journal of neurology*, 148(7), 2412.

Koike S, et al. (2025) Estimation of the Intracranial Volume Is Crucial in Multi-Site Studies: Reliability for Longitudinal Investigations and Traveling Subjects. *Human brain mapping*, 46(16), e70405.

See CRZ, et al. (2025) A whole-brain voxel-based analysis of structural abnormalities in PTSD: An ENIGMA-PGC study. *European psychiatry : the journal of the Association of European Psychiatrists*, 68(1), e97.

Suarez GL, et al. (2025) Structural Brain Correlates of Multidomain Resilience Among Youth Exposed to Neighborhood Disadvantage. *Biological psychiatry global open science*, 5(5), 100550.

Langhammer T, et al. (2025) Resting-state functional connectivity in anxiety disorders: a multicenter fMRI study. *Molecular psychiatry*, 30(4), 1548.

Ledderhos C, et al. (2025) The impact of occupational nonhypoxic hypobaria on cerebral function and integrity. *Scientific reports*, 15(1), 29777.