

Resource Summary Report

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Research Network in Early Experience and Brain Development

RRID:SCR_003271

Type: Tool

Proper Citation

Research Network in Early Experience and Brain Development (RRID:SCR_003271)

Resource Information

URL: <http://www.macbrain.org/>

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Description: Portal on how the experiences of early childhood are incorporated into the structures of the developing brain, and how, in turn, those changes in the structures of the brain influence behavior. The network explores how knowledge of brain development can guide us in understanding of behavioral development and vice versa. It focuses specifically on sensitive periods and neural plasticity, the reciprocal phenomena whereby (a) the brain is negatively affected if certain experiences fail to occur within a certain time period, and (b) the brain is altered by experience at virtually any point in the life span. Here we consider not only how the structure of experience is incorporated into the structure of the brain, but also how this knowledge can influence the decisions we make about intervening in the lives of children. Research and other projects conducted by the Network fall into four broad categories: * Effects of early experience on brain development * New methods for studying brain-behavior relations * Comparative studies of early brain-behavioral development * Impact on public policy: Educating educators and the media
RESOURCES NimStim Face Stimulus Set The Research Network on Early Experience and Brain Development has developed a battery of 646 facial expression stimuli for use in its own and other studies of face and emotion recognition. Images include the following expressions, displayed by a variety of models of various genders and races: fearful, happy, sad, angry, surprised, calm, neutral, disgusted. They are making these stimuli available to the public free of charge with registration and acceptance of the terms and conditions to use the stimulus set.

Abbreviations: Research Network on Early Experience and Brain Development

Synonyms: Research Network in Early Experience Brain Development

Resource Type: image collection, data or information resource, topical portal, portal

Keywords: brain, development, developing brain, behavior, early experience, brain development, facial expression stimuli, emotion, stimuli, facial expression, young human, child

Funding: James S. McDonnell Foundation ;
MacArthur Foundation

Availability: Free, Freely available

Resource Name: Research Network in Early Experience and Brain Development

Resource ID: SCR_003271

Alternate IDs: nif-0000-31447

Old URLs: <http://www.macbrain.org/faces/indexhtm>

Record Creation Time: 20220129T080218+0000

Record Last Update: 20260803T040337+0000

Ratings and Alerts

No rating or validation information has been found for Research Network in Early Experience and Brain Development.

No alerts have been found for Research Network in Early Experience and Brain Development.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 45 mentions in open access literature.

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

Wang Y, et al. (2024) Language switching is modulated by emotion priming: evidence from behavioral and event-related potentials study. *Frontiers in psychology*, 15, 1373636.

Lin SC, et al. (2024) Family and parenting factors are associated with emotion regulation neural function in early adolescent girls with elevated internalizing symptoms. *European child & adolescent psychiatry*, 33(12), 4381.

Meiering MS, et al. (2023) Transdiagnostic phenomena of psychopathology in the context of the RDoC: protocol of a multimodal cross-sectional study. *BMC psychology*, 11(1), 297.

Viering T, et al. (2022) Amygdala reactivity and ventromedial prefrontal cortex coupling in the processing of emotional face stimuli in attention-deficit/hyperactivity disorder.

European child & adolescent psychiatry, 31(12), 1895.

Vorontsova-Wenger O, et al. (2022) Short mindfulness-based intervention for psychological and academic outcomes among university students. *Anxiety, stress, and coping*, 35(2), 141.

Nekkanti AK, et al. (2020) Study Protocol: The Coaching Alternative Parenting Strategies (CAPS) Study of Parent-Child Interaction Therapy in Child Welfare Families. *Frontiers in psychiatry*, 11, 839.

Janus M, et al. (2018) Working Memory With Emotional Distraction in Monolingual and Bilingual Children. *Frontiers in psychology*, 9, 1582.

Meg??as A, et al. (2017) Performance on emotional tasks engaging cognitive control depends on emotional intelligence abilities: an ERP study. *Scientific reports*, 7(1), 16446.

Bortolon C, et al. (2016) Self-Face Recognition in Schizophrenia: An Eye-Tracking Study. *Frontiers in human neuroscience*, 10, 3.

Boll S, et al. (2016) Attentional mechanisms of social perception are biased in social phobia. *Journal of anxiety disorders*, 40, 83.

Boll S, et al. (2016) Psychopathic traits affect the visual exploration of facial expressions. *Biological psychology*, 117, 194.

Mason SL, et al. (2015) The role of the amygdala during emotional processing in Huntington's disease: from pre-manifest to late stage disease. *Neuropsychologia*, 70, 80.

Jin H, et al. (2015) The Effect of Fearful Expressions on Multiple Face Tracking. *Psychologica Belgica*, 55(2), 101.

Xiu D, et al. (2015) Emotional face expression modulates occipital-frontal effective connectivity during memory formation in a bottom-up fashion. *Frontiers in behavioral neuroscience*, 9, 90.

Schulz KP, et al. (2014) Emotional bias of cognitive control in adults with childhood attention-deficit/hyperactivity disorder. *NeuroImage. Clinical*, 5, 1.

Kret ME, et al. (2014) Chimpanzees and humans mimic pupil-size of conspecifics. *PloS one*, 9(8), e104886.

Schulz KP, et al. (2014) Guanfacine modulates the emotional biasing of amygdala-prefrontal connectivity for cognitive control. *European neuropsychopharmacology : the journal of the European College of Neuropsychopharmacology*, 24(9), 1444.

Boll S, et al. (2014) 5-HTTLPR modulates the recognition accuracy and exploration of emotional facial expressions. *Frontiers in behavioral neuroscience*, 8, 255.

Klomp A, et al. (2013) Test-retest reliability of task-related pharmacological MRI with a single-dose oral citalopram challenge. *NeuroImage*, 75, 108.

Sutherland MT, et al. (2013) Individual differences in amygdala reactivity following nicotinic receptor stimulation in abstinent smokers. *NeuroImage*, 66, 585.