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Cerebral representation of object-location memory

Fact Sheet

Project Information

SPATIAL MEMORY

Grant agreement ID: 256429

Project closed

Start date

1 January 2011

End date

30 May 2016

Funded under

Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities (2007 to 2013)

Total cost

€ 100 000,00

EU contribution

€ 100 000,00

Coordinated by

TEL AVIV UNIVERSITY

 Israel

Objective

The uptake and recall of arbitrary associations between objects and their spatial location is a core feature of spatial memory. This form of learning is fundamental to survival across the phylogenetic spectrum. Nevertheless, the hemispheric organization of this function has yet to be understood. Whilst object-location memory is one component of spatial memory most consistently lateralized to the right mesial temporal region, recent research on neurologically healthy participants suggests the existence of task-specificity within the object-location paradigm. Our aim in this

project is to investigate the lateral cerebral representation of object-location memory, focussing on two distinct process mechanisms: object processing and spatial-location processing. We propose to study unoperated patients with well-lateralized mesial temporal lobe epilepsy (TLE) with the use of functional Magnetic Resonance Imaging (fMRI) and intracranial EEG recording.

Fields of science (EuroSciVoc)

[medical and health sciences](#) > [basic medicine](#) > [neurology](#) > [epilepsy](#)

[engineering and technology](#) > [medical engineering](#) > [diagnostic imaging](#) > [magnetic resonance imaging](#)



Programme(s)

[FP7-PEOPLE - Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities \(2007 to 2013\)](#)

Topic(s)

[FP7-PEOPLE-2009-RG - Marie Curie Action: "Reintegration Grants"](#)

Call for proposal

FP7-PEOPLE-2009-RG

[See other projects for this call](#)

Funding Scheme

[MC-IRG - International Re-integration Grants \(IRG\)](#)

Coordinator



TEL AVIV UNIVERSITY

EU contribution

€ 100 000,00

Total cost

No data

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Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Last update: 1 August 2019

Permalink: <https://cordis.europa.eu/project/id/256429>

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