



Sleep and episodic memory consolidation: 'No-report' paradigms, brain mechanisms, and dementia

Fact Sheet

Project Information

SleepEpisMemory

Grant agreement ID: 864353

[Project website](#)

DOI

[10.3030/864353](https://doi.org/10.3030/864353)

EC signature date

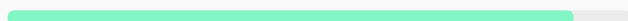
12 February 2020

Start date

1 October 2020

End date

30 September 2025



Funded under

EXCELLENT SCIENCE - European Research Council (ERC)

Total cost

€ 2 745 000,00

EU contribution

€ 2 745 000,00

Coordinated by

TEL AVIV UNIVERSITY



Israel

Project description

Explaining consolidation of episodic memory

Episodic memory represents our memory of experiences and specific events in time in a serial form. One question that scientists are trying to answer is how episodic memory consolidates into long-term memory. It has been observed in neurophysiological and behavioural studies that long-term memory consolidation is a major function of sleep. The EU-funded SleepEpisMemory project supports a novel approach in the research of the role of hippocampal-cortical dialogue (HCD) during sleep for memory consolidation. It will apply pioneering 'no-report' paradigms to

record and stimulate the activity of the brain during sleep to effectively study episodic memory consolidation, the role of HCD and its processes in dementia and ageing as well as non-invasive methods to improve memory.

Fields of science (EuroSciVoc)

[natural sciences](#) > [biological sciences](#) > [neurobiology](#) > **[cognitive neuroscience](#)**

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

Programme(s)

[H2020-EU.1.1. - EXCELLENT SCIENCE - European Research Council \(ERC\)](#) -

MAIN PROGRAMME

Topic(s)

[ERC-2019-COG - ERC Consolidator Grant](#)

Call for proposal

[ERC-2019-COG](#)

[See other projects for this call](#)

Funding Scheme

[ERC-COG - Consolidator Grant](#)

Host institution



TEL AVIV UNIVERSITY

Net EU contribution

€ 2 566 250,00

Total cost

€ 2 566 250,00

Address

RAMAT AVIV
69978 Tel Aviv
 Israel 

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Beneficiaries (2)



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**THE FOUNDATION FOR MEDICAL RESEARCH INFRASTRUCTURAL
DEVELOPMENT AND HEALTH SERVICES NEXT TO THE MEDICAL CENTER
TEL AVIV**
 Israel

Net EU contribution
€ 178 750,00

Address

WEIZMANN STREET 6

64239 Tel Aviv 

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

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Last update: 1 April 2025

Permalink: <https://cordis.europa.eu/project/id/864353>

European Union, 2025