The Flexible Brain: (Re-)shaping Adaptation in Semantic Cognition

Fact Sheet

Project Information

**FLEXBRAIN**

Grant agreement ID: 101043747

**Funded under**

European Research Council (ERC)

**Total cost**

€ 1 999 750,00

**EU contribution**

€ 1 999 750,00

Start date: 1 January 2023

End date: 31 December 2027

**Coordinated by**

MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV

Germany

Project description

Flexible ‘multi-purpose’ network adaptation may help restore lost brain function

Many brain regions and cell types respond to and process specific kinds of information selectively. In contrast, somewhat like transferrable or soft skills in the job market, domain-general networks in the brain are active in a variety of demanding cognitive tasks. The EU-funded FLEXBRAIN project is investigating the ability of these domain-general networks to compensate for disruption in semantic cognition networks that enable us to use, manipulate and generalise knowledge. Further, the team will evaluate the ability of domain-general networks to enable flexible adaptation.
to lesions more generally, and even compensation of impairment in the aging brain, through neural stimulation experiments in young and aging brains.

**Fields of science**

natural sciences > biological sciences > neurobiology > cognitive neuroscience

**Programme(s)**

HORIZON.1.1 - European Research Council (ERC)

**Topic(s)**

ERC-2021-COG - ERC CONSOLIDATOR GRANTS

**Call for proposal**

ERC-2021-COG

See other projects for this call

**Funding Scheme**

HORIZON-AG - HORIZON Action Grant Budget-Based

**Coordinator**

MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV

Net EU contribution

€ 1 999 750,00

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Region

Bayern > Oberbayern > München, Kreisfreie Stadt
Other funding

€ 0,00

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