Atlas of the Human Deep Brain Nuclei, Connections, and Vasculature

Fact Sheet

Project Information

DeepBrainVascu

Grant agreement ID: 101101042

DOI
10.3030/101101042

Funded under
European Research Council (ERC)

Total cost
€ 0,00

EU contribution
€ 150 000,00

Coordinated by
UNIVERSITEIT VAN
AMSTERDAM
Netherlands

Start date
1 March 2023

End date
31 August 2024

Project description

A detailed brain atlas supports more effective deep brain stimulation with fewer side effects

Stimulation of certain nuclei deep within the brain is emerging as a powerful treatment for multiple brain diseases including Parkinson’s disease and, more recently, neuropsychiatric disorders. Treatment is rapid and effective, yet the deep brain structures are complex and often difficult to distinguish. This can result in negative effects on cognitive function and mood. The ERC-funded DeepBrainVascu project will create a detailed atlas of the human deep brain nuclei, connections and vasculature to enable improved electrode placement. This will significantly enhance
the effectiveness of deep brain stimulation for numerous debilitating disorders while minimising equally debilitating side effects.

Fields of science

medical and health sciences > clinical medicine > psychiatry > obsessive-compulsive disorder
medical and health sciences > clinical medicine > surgery
medical and health sciences > basic medicine > neurology > parkinson
social sciences > psychology > cognitive psychology

Programme(s)

HORIZON.1.1 - European Research Council (ERC)

Topic(s)

ERC-2022-POC2 - ERC PROOF OF CONCEPT GRANTS2

Call for proposal

ERC-2022-POC2

See other projects for this call

Funding Scheme

ERC-POC - Proof of Concept Grant

Coordinator

UNIVERSITEIT VAN AMSTERDAM
Net EU contribution
€ 150 000,00
Address
Spui 21
1012WXA Amsterdam
1012WX Amsterdam

Region

West-Nederland > Noord-Holland > Groot-Amsterdam

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding

€ 0,00

EC signature date 20 December 2022
Last update: 5 April 2023

Permalink: https://cordis.europa.eu/project/id/101101042

European Union, 2023