

Expression of interest in collaborating as a partner on Horizon Europe calls

*On behalf of José Marques of the Donders Institute for Brain Cognition and Behaviour of Radboud University, we would like to express interest to cooperate as **a partner** in the following areas of Horizon Europe. More information about researcher and institute can be found below. For questions or remarks, please email collaborate@ru.nl.*

Cluster: 1. Health;

Horizon Europe calls and topics:

European Partnership on Rare Disease; HORIZON-HLTH-2023-DISEASE-07-01

Access to health and care services for people in vulnerable situations; TOPIC ID: HORIZON-HLTH-2024-CARE-04-04-two-stage

Towards a holistic support to children and adolescents' health and care provisions in an increasingly digital society; TOPIC ID: HORIZON-HLTH-2024-STAYHLTH-01-02-two-stage

Deadline: 19th September

Brief description of contribution as a partner: *Our expertise in quantitative structural brain imaging throughout the life span and in disease. This can be important for the description of the baseline state of the brain, characterizing deviations from "normality" or the impact of a given intervention (be it training, lifestyle change or medication). We have developed various biomarkers that relate to brain (re)myelination, iron accumulation, white matter microstructure as well as the study of brain perfusion.*

Looking to join a Consortium: We are looking to join the consortium with partners involved in clinical trials particularly in the context of myelination diseases, vascular diseases, neuroinflammation.

Relevance of expertise/previous research:

José P. Marques: MRI Physicist with over 20 years experience on both the more fundamental/basic physics and clinical ends of MRI. His Research work is based on the conviction that the most relevant contribution a physicist can make to (clinical) neuroscience is not just to offer good quality images but, more importantly, create quantitative and understandable information that can be evaluated in the context of disease. With his collaborative work he bridges the gap between engineering, radiological and neuroscience communities, making the information regarding the capabilities and needs of each field available to each group. Website: <http://www.ru.nl/personen/rebelo-ferreira-marques-j/>

Research ID: ORCID-0000-0001-8157-8864 Scopus-55938900900

Social Media: twitter [@Jose_P_Marques](https://twitter.com/Jose_P_Marques); LinkedIn <https://www.linkedin.com/in/jos%C3%A9-marques-42406a12>

Donders Institute: <https://www.ru.nl/donders/> The *Donders Institute* is a research centre devoted to understanding human cognition and behavior in health and disease. Hundreds of international



researchers aim at the advancement of brain-, cognitive and behavioral science and improving health, education and technology. Donders Centre for Cognitive Neuroimaging (DCCN) the human neuroimaging arm of the Donders Institute and host:

- Over 200 multidisciplinary researchers in the field of human cognition and neuroimaging;
- Three fully research-dedicated high field MRI scanners (where >6000 subjects are scanned per year) and where several large population studies are being conducted;
- High-performance computing facilities with multiple GPU cores.

Radboud University:

Radboud University is a leading Dutch university, known for its international orientation, wide range of academic disciplines, interdisciplinary research and push towards creating societal impact. The University includes 7 faculties, 15 research institutes and intensively cooperates with the Radboud University Medical Center (Radboudumc). The campus is home to world-class research facilities.

Radboud University is an experienced coordinator and participant in EU Framework Programmes for research and innovation. As a formerly merged entity with RadboudUMC, we have jointly secured funding for over 278 projects under H2020 and ranked in top 5 organizations in the Netherlands with highest net EU contribution for awarded projects in Horizon 2020.

Since 2021, Radboud University has been involved in 79 Horizon Europe projects leading 35 of them.

[More information.](#)

For more information or questions: collaborate@ru.nl.