



MAPFRE –Reina Sofia Foundation Fellowship 2021-2022

Alzheimer Project Research Unit CIEN Foundation –Reina Sofia Foundation

REQUIREMENTS

1. Required Certification

Graduate in biomedical sciences (Biology, Biochemistry, Biotechnology, Biomedical Engineering, Pharmacy, Medicine or similar).

2. Required education or experience:

Proven research background related to some of the following topics in the field of neurodegenerative disorders:

- Genomics data analysis
- Bioinformatics & biostatistics
- Fluid biomarkers analysis

3. Language: Fluent English

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MERITS TO BE CONSIDERED

CV: Student record (University marks), PhD, communication and language skills, training in research, teamwork capacity

Publications: Research articles in peer-reviewed scientific journals. Communications (oral or written) in scientific conferences will also be considered.

Research experience: Demonstrated active participation in research projects, especially in experimental or clinical research of neurodegenerative diseases and/or dementia.

OBJECT

Research Program focused on dementia/Alzheimer's disease/aging.

Host laboratories:

- Biochemistry and Molecular Genetics Department, Reina Sofia Foundation Alzheimer Center, Madrid, Spain. Supervisors: Drs. Miguel Calero & Miguel Medina (<https://www.fundacioncien.es/>)
- Department of Human Genetics and Alzheimer Centre Amsterdam, Vrije Universiteit Amsterdam, The Netherlands. Supervisor: Dr. Sven van der Lee (<https://holstegelab.eu/>)



The winning applicant will have outstanding opportunities to be actively involved in a multidisciplinary collaborative research program on neurodegeneration and dementia mechanisms already ongoing between both institutions.

RESEARCH FOCUS

The Reina Sofia Foundation Alzheimer Center and the Amsterdam UMC are leading institutions in disentangling the biology of dementia but also not getting Dementia. The research focus will be on the factors responsible for one person getting dementia early in life while another does not get dementia and ages cognitively healthy.

Key-words:

1. Genetic data analysis
2. Early detection of mild cognitive impairment and Alzheimer's disease
3. Population-based longitudinal studies
4. Systems biology of Alzheimer disease

DURATION

October 2021 – March 2022, extendible for an additional 6 months period (maximum, 12 months).

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REQUIRED DOCUMENTS

- 1) *Curriculum vitae*
- 2) Statement of research interests
- 3) Letters of support (optional, but desirable)

REPORTING

A written report of activities carried out during the fellowship must be submitted during the last month of the first 6-month period. In addition, if applicable, a final report must be submitted up to one month after the end of the second 6-month period. The intention is to have one research article in an international peer reviewed journal.

TOTAL AMOUNT:

16,000 €, to be paid as follows:

75%: Advanced monthly payment, during six months.

25%: To the delivery of the corresponding Report

If an extension for a second period of 6 months is granted, the same conditions and terms will apply.



BOARD FOR SELECTION

Evaluation of candidates will be carried out for a Board chaired by the Scientific Director of the Alzheimer Disease Research Unit, Reina Sofia Foundation Alzheimer Center and with an interview with the receiving scientists at both host laboratories.