



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2023-2024

LFIR # 2775

1. **Project Title**

2. **Senate Sponsor**

3. **Date of Request**

4. Project/Program Description

Alzheimer's disease is a neurodegenerative disorder characterized by cognitive and memory decline that worsens over time and it is believed to start 20 years before the onset of symptoms. Today, more than 6 million Americans are living with this disease and 1 in 3 seniors will die from it and/or other forms of dementia. Alzheimer's disease kills more people than breast cancer and prostate cancer combined. Therefore, The Miami Project to Cure Paralysis and the University of Miami Center for Cognitive Neuroscience and Aging and the Departments of Psychiatry, Neurological Surgery, Neurology and Molecular Physiology and Cellular Biophysics have come together to use a multi-factorial and innovative approach for the study of Alzheimer's disease. The diverse backgrounds in this collaborative team leverages the knowledge from different fields of science that can be successfully applied to fulfill our goals of improving the care of patients suffering from this disease.

5. **State Agency to receive requested funds**

State Agency contacted? No

6. Amount of the Nonrecurring Request for Fiscal Year 2023-2024

Type of Funding	Amount
Operations	1,000,000
Fixed Capital Outlay	0
Total State Funds Requested	1,000,000

7. Total Project Cost for Fiscal Year 2023-2024 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	1,000,000	6%
Matching Funds		
Federal	4,785,000	28%
State (excluding the amount of this request)	2,195,000	13%
Local	0	0%
Other	9,165,000	53%
Total Project Costs for Fiscal Year 2023-2024	17,145,000	100%

8. **Has this project previously received state funding?** No

Fiscal Year (YYYY-YY)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		

9. **Is future funding likely to be requested?** Yes

a. **If yes, indicate nonrecurring amount per year.**

b. **Describe the source of funding that can be used in lieu of state funding.**



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If the current economic conditions improve, increased philanthropic and foundation support could support research funding. Increase federal spending for medical research would also allow our scientists to apply for additional federal research grants.

10. Has the entity requesting this project received any federal assistance related to the COVID-19 pandemic?

If yes, indicate the amount of funds received and what the funds were used for.

Complete questions 11 and 12 for Fixed Capital Outlay Projects

11. Status of Construction

a. What is the current phase of the project?

Planning Design Construction

b. Is the project "shovel ready" (i.e permitted)?

c. What is the estimated start date of construction?

d. What is the estimated completion date of construction?

12. List the owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.

13. Details on how the requested state funds will be expended

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits	Scientific Director (salary and benefits)	87,854
Other Salary and Benefits	Salary and Benefits other personnel	30,136
Expense/Equipment/Travel/Supplies/Other	F&A	11,799
Consultants/Contracted Services/Study		0
Operational Costs: Other		
Salary and Benefits	Scientists, research associates, post docs and lab technicians	500,000
Expense/Equipment/Travel/Supplies/Other	Equipment, lab supplies, animals, core, and F&A	370,211
Consultants/Contracted Services/Study		0
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		0
Total State Funds Requested (must equal total from question #6)		1,000,000

14. Program Performance

a. What specific purpose or goal will be achieved by the funds requested?



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The purpose of this research is to improve the care of patients with Alzheimer's disease (AD) by developing a multi-factorial approach for the study of AD with the goals of 1) Identifying therapeutic targets that are clinically relevant to AD pathogenesis, 2) Developing new therapies for those targets specific for the treatment of AD, and 3) Improving the way patients with AD are diagnosed and how their prognosis is monitored.

b. What activities and services will be provided to meet the intended purpose of these funds?

The research that will be conducted will be based on highly innovative approaches to gain a better understanding of how the inflammasome contributes to the early stages of AD. In addition, strong preliminary data and the proposed mechanistic and translational set of experiments will allow our multidisciplinary team of experts to advance inflammasome-based therapies to the clinic for the treatment of AD and other age-related neurodegenerative diseases.

c. What direct services will be provided to citizens by the appropriation project?

Individuals who qualify for our clinical trials will be enrolled and able to participate in our research studies.

d. Who is the target population served by this project? How many individuals are expected to be served?

The target population served by this project are the more than 6 million Americans living with Alzheimer's disease. Alzheimer's disease kills more people than breast cancer and prostate cancer combined. In 2020, COVID-19 contributed to a 17% increase in Alzheimer's and dementia deaths.

e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?

Each project will address specific research questions that are highly relevant to an important scientific problem using established technologies and experimental protocols. During the funding period, progress will be evaluated by written progress reports including qualitative and quantitative data related to the proposed specific aims. These findings will then be submitted to scientific journals for peer review and publication.

f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for the contract?

The penalty for failing to meet the conditions of the contract is termination.

15. Requester Contact Information

a. First Name **Last Name**

b. Organization

c. E-mail Address

d. Phone Number **Ext.**

16. Recipient Contact Information

a. Organization

b. Municipality and County

c. Organization Type

- For Profit Entity
- Non Profit 501(c)(3)
- Non Profit 501(c)(4)
- Local Entity



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University or College

Other (please specify)

d. First Name **Last Name**

e. E-mail Address

f. Phone Number

17. Lobbyist Contact Information

a. Name

b. Firm Name

c. E-mail Address

d. Phone Number