



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2020-2021

LFIR # 1629

1. **Project Title**
2. **Senate Sponsor**
3. **Date of Request**

4. **Project/Program Description**

Fifteen years after its founding, Scripps Research, Florida must update scientific equipment to leverage additional grants, plus recruit and retain top scientific talent. A key infrastructure need is the latest molecular imaging equipment. The planned Molecular Imaging Center is to have a suite of Cryo-Electron microscopes and IT infrastructure upgrades to handle their massive data. The Center will produce biomedical studies that explore fundamental biology and advance scientific understanding, in pursuit of new therapies. Research may include rare genetic diseases, cancer, developmental disorders including autism, neurodegenerative diseases including Alzheimer's, ALS and Parkinson's, and more. Training workshops, internships, multi-institutional scientific collaborations and scientific symposia will enhance the state's bioscience investment. It is anticipated the investment will attract new grants, donations and potentially produce licensable IP. Scripps has committed to a match.

5. **State Agency to receive requested funds**
- State Agency contacted? Yes No

6. **Amount of the Nonrecurring Request for Fiscal Year 2020-2021**

Type of Funding	Amount
Operations	<input style="width: 80%;" type="text" value="2,000,000"/>
Fixed Capital Outlay	<input style="width: 80%;" type="text" value="000"/>
Total State Funds Requested	2,000,000

7. **Total Project Cost for Fiscal Year 2020-2021 (including matching funds available for this project)**

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	<input style="width: 80%;" type="text" value="2000000"/>	<input style="width: 80%;" type="text" value="27.0"/> %
Matching Funds		
Federal	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
State (excluding the amount of this request)	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
Local	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
Other	<input style="width: 80%;" type="text" value="5,300,000"/>	<input style="width: 80%;" type="text" value="73"/> %
Total Project Costs for Fiscal Year 2020-2021	7,300,000	100 %

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

If yes, provide the most recent instance:

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>

9. **Is future-year funding likely to be requested?** Yes No

If yes, indicate nonrecurring amount per year.



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

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		<input type="text"/>
Other Salary and Benefits		<input type="text"/>
Expense/Equipment/Travel/Supplies/Other		<input type="text"/>
Consultants/Contracted Services/Study		<input type="text"/>
Operational Costs: Other		
Salary and Benefits		<input type="text"/>
Expense/Equipment/Travel/Supplies/Other	Cryo-electron microscopes	2,000,000
Consultants/Contracted Services/Study		<input type="text"/>
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		<input type="text"/>
Total State Funds Requested (must equal total from question #6)		2,000,000



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11. Program Performance

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

The Scripps Research Molecular Imaging Center will be a critical translational research tool set, enabling vaccine design and new drug-molecule engineering, activities which advance the goals of addressing unmet human health needs and facilitating state knowledge-economy industry growth. Unique in the state, these advanced assets create an incentive for new collaborations among FL research centers including Jupiter's Max Planck Florida Institute for Neuroscience, UF, UM, Moffett and others. Also, they offer unprecedented STEM educational opportunities in computer science, data science, structural biology and molecular biology. Students at the Scripps Skaggs Graduate School for Chemical and Biological Sciences, Florida Atlantic University Harriet L. Wilkes Honors College, the FAU Data Sciences pillar, high school interns and students at other Florida academic institutions will benefit. It will provide a unique resource for startups in the FL biotech industry, as well.

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

Produce biomedical research to be submitted to scientific, peer-reviewed journals, discoveries designed to advance human health and/or scientific knowledge.

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

Provide opportunities for research collaborations with other FL institutions; provide fee-based equipment access to Florida bioscience companies; provide STEM educational opportunities such as workshops, symposia and internships to students at various levels about structural biology, state-of-the-art molecular imaging technologies, and how they are used to gain scientific and biomedical insights and develop new therapies for unmet medical needs.

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

Floridians awaiting new treatment options in areas such as cancer, Alzheimer's, Parkinson's, ALS and more.
Florida bioscience companies.
Florida academic biomedical researchers.
Students pursuing STEM degrees at many levels, including high school, undergraduate and graduate school.

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

This equipment is anticipated to produce new biomedical research discoveries that will be published in peer-reviewed scientific journals. This can be measured through a listing of research publications and/or grant submissions available on request.
It is likely to produce new intellectual property that may or may not be licensed. This information can be provided by the Scripps Research Office of Technology Development on request.
It is likely to enable recruitment of new scientific faculty for Scripps Research. This information is included in the annual report supplied to the Scripps Florida Funding Corporation.
It is likely to enable Scripps Research faculty to attract new categories of federal grants, foundation support and philanthropic gifts. This information can

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 in the contract?

Return of the grant moneys if the first cryo-electron microscope is not installed by Dec. 31, 2022.



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12. **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.**

The equipment will be owned by The Scripps Research Institute, 130 Scripps Way, Jupiter, FL, 33458. Scripps Research is a 501(c)3 non-profit organization, EIN 33-0435954.

13. **Requestor Contact Information**

a. First Name Last Name

b. Organization

c. E-mail Address

d. Phone Number Ext.

14. **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

University or College

Other (please specify)

d. First Name Last Name

e. E-mail Address

f. Phone Number

15. **Lobbyist Contact Information**

a. Name

b. Firm Name

c. E-mail Address

d. Phone Number Ext.