



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2019-2020

LFIR#: 1917

- Title of Project:** Torrey Pines Institute for Molecular Studies -Florida Drug Discovery Acceleration Program
- Senate Sponsor:** Gayle Harrell
- Date of Submission:** 01/25/2019
- Project/Program Description:**

The Florida Drug Discovery Acceleration Program (FLDDAP) is seeking funding to maintain and expand the current partnerships in FL to utilize the chemical compound libraries and technologies available at Torrey Pines Institute for Molecular Studies (TPIMS). This program allows FL’s research investigators access to TPIMS’ large collection of compound libraries and expertise to accelerate drug discovery and commercialization, at no cost to program partners at universities and institutes in FL. All researchers at universities and non-profit institutes within FL are welcome to participate in the program. The FLDDAP program was supported with a total of \$6M in funding over two years – \$3M for compound library enhancement/maintenance and \$3M for delivery of compound libraries and services to partners throughout FL, external to TPIMS. The FLDDAP delivered over \$9.5M in goods and services to partners in FL, clearly delivering value and providing a measurable return on investment for FL.

- State Agency to receive requested funds :** Department of Health

State Agency Contacted? No

- Amount of the Nonrecurring Request for Fiscal Year 2019-2020**

Type of Funding	Amount
Operations	3,000,000
Fixed Capital Outlay	
<b>Total State Funds Requested</b>	<b>3,000,000</b>

- Total Project Cost for Fiscal Year 2019-2020 (including matching funds available for this project)**

Type of Funding	Amount	Percent
Total State Funds Requested (from question #6)	3,000,000	100.00%
Federal		0.00%
State (excluding the amount of this request)		0.00%
Local		0.00%
Other		0.00%
<b>Total Project Costs for Fiscal Year 2019-2020</b>	<b>3,000,000</b>	<b>100.0%</b>

- Has this project previously received state funding?** Yes

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	NonRecurring		
2018-19		1,500,000	457A	Yes

- Is future-year funding likely to be requested?** Yes



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2019-2020

LFIR#: 1917

a. If yes, indicate non-recurring amount per year. \$3,000,000

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

Spending Category	Description	Amount
<b>Administrative Costs:</b>		
Executive Director/Project Head Salary and Benefits	Project Head's salary and benefits.	45,000
Other Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study		
<b>Operational Costs:</b>		
Salary and Benefits	Scientific personnel	1,125,000
Expense/Equipment/Travel/Supplies/Other	Supplies, equipment maintenance contracts and to meet with partners.	330,000
Consultants/Contracted Services/Study	Compounds and services to FL universities and institutions.	1,500,000
<b>Fixed Capital Construction/Major Renovation:</b>		
Construction/Renovation/Land/Planning Engineering		
<b>Total State Funds Requested (must equal total from question #6)</b>		<b>3,000,000</b>

#### 11. Program Performance:

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

The FLDDAP provides a service to all researchers throughout Florida who are performing drug discovery studies and spans across both human health and agricultural diseases (studies with USDA). Clearly, the past success of the program shows the potential to accelerate research across Florida and to provide data for additional federal funding. Ultimately, the program can provide commercialization opportunities to spur economic development and provide new therapies and treatments to treat human or agricultural diseases.

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

Each year of support, the FLDDAP worked with clearly defined metrics provided by the FL DOH. These annual metrics are shown below with the deliverables achieved. With the support of FL, the FLDDAP will continue to produce significant return on investment by supporting researchers in FL. Specific goals as determined by the DOH (along with the results from the 2 years of previous support) were: (1) Execute MTA with new FL scientist - Goal: 1; Results: 18 (FY14) and 11 (FY15); (2) Deliver SR Plates - Goal: 10; Results 26 (FY14) and 30 (FY15); (3) Deliver PS Libraries - Goal 10: Results: 28 (FY14) and 38 (FY15); and (4) Deliver IC Sets- Goal: 8 sets/400 compounds; Results: 11 sets/790 compounds (FY14) and 18 sets/1,152 compounds (FY15). The FLDDAP far surpassed its stated metrics every year due to the demand of researchers. Within two years, a measurable ROI was already observed with the potential for even greater returns as these programs further advance toward possible commercialization.



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2019-2020

LFIR#: 1917

**c. What are the direct services to be provided to citizens by the appropriations project?**

Research is a highly competitive, resource-intensive endeavor. As FL institutes discover new targets for a wide array of human and agricultural diseases, the need will persist to identify compounds that can interact with these targets. TPIMS' collection of compounds is uniquely positioned to fill this need. The identification of compounds often provides the required target validation necessary to acquire federal funding for further research or private equity to create a new spin off company.

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

The direct target population is all of those within Florida involved in drug discovery research. The program has the potential to serve all Floridians as new medications may be discovered and developed to treat a variety of diseases, both human and agricultural. The breadth of the targets will also serve the rest of the US and promote Florida spin off companies, adding additional economic benefit to Florida.

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

The program has already demonstrated a measurable return on investment (ROI) - (1) >\$10,000,000 in national funding awarded within Florida in part due to the program. Tens of millions of dollars in grant proposals submitted; (2) >\$9,500,000 in compounds and services delivered throughout Florida to partners in the program; and (3) 6 patent applications have been filed with program partners – 2 with the University of South Florida, and 1 each with the University of Florida, Florida International University, Florida Atlantic University, and the Moffitt Cancer Center. Licensing discussions are ongoing. More specifically, the program can be measured with specific metrics set up by contract with the Department of Health.

**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?**

In previously funded years, the FLDDAP submitted quarterly reports to the Department of Health demonstrating success within the program. Clear penalties were stated upfront if success was not met. Every year, the FLDDAP not only met every metric, but vastly surpassed them due to the belief of the FLDDAP that research is important to Florida. The FLDDAP did not stop when the goals were met and the FLDDAP has continued (albeit at a significantly reduced level) in the past three years without state support.

**12. The owner(s) of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owner(s) of the facility and the entity.**

None.

**13. Requestor Contact Information:**

- a. **Name:** Richard Houghten
- b. **Organization:** Torrey Pines Institute for Molecular Studies
- c. **E-mail Address:** houghten@tpims.org
- d. **Phone Number:** (772)345-4580

**14. Recipient Contact Information:**

- a. **Organization:** Torrey Pines Institute for Molecular Studies



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2019-2020

LFIR#: 1917

**b. County:** Saint Lucie

**c. Organization Type:**

- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Entity
- University or College
- Other (Please specify)

**d. Contact Name:** Richard Houghten

**e. E-mail Address:** houghten@tpims.org

**f. Phone Number:** (772)345-4580

#### 15. Lobbyist Contact Information

**a. Name:** Jordan Connors

**b. Firm Name:** Jordan Connors Group, Inc.

**c. E-mail Address:** Jordan@jordanconnors.com

**d. Phone Number:** (904)206-1604