



The Florida Senate

Local Funding Initiative Request - Fiscal Year 2018-2019

1. **Title of Project:** Torrey Pines Institute for Molecular Studies - Florida Drug Discovery Acceleration Program

2. **Senate Sponsor:** Debbie Mayfield

3. **Date of Submission:** 11/16/2017

4. **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.

5. **State Agency Contacted?** No

a. If yes, which state agency?

b. If no, which is the most appropriate state agency to place an appropriation for the issue being requested?
Department of Health

6. **Amount of Non-recurring Requested for fiscal year 2018-19:**

Amount Requested for Operations	Amount Requested for Fixed Capital Outlay	Total Amount of Requested State Funds
3,000,000		3,000,000

7. **Type, amount and percent of matching funds available for this project for fiscal year 2018-19:**

Type	Amount	Percent
Federal	0	0.0%
State (excluding the amount of this request)	0	0.0%
Local	0	0.0%
Other	0	0.0%
TOTAL	0	0.0 %

8. **Total Project Cost for fiscal year 2018-19 (including the Total Amount of Requested State Funds):** 3,000,000



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9. Previous Year Funding Details:

- Has funding been provided in a previous state budget for this activity? Yes
- In the previous 5 fiscal years, how many years was funding provided? (Optional) 5
- What is the most recent fiscal year the project was funded? 2017-18
- Were the funds provided in the most recent fiscal year subsequently vetoed? Yes
- Complete the following Worksheet.

FY:	Input Prior FY Appropriation for this project for FY 2017-18 (If appropriated in FY 2017-18 enter the appropriated amount, even if vetoed.)		
Column:	A	B	C
Funds Description:	Prior Year Recurring Funds *	Prior Year Nonrecurring Funds *	Total Funds Appropriated (Column A + Column B)
Input Amounts:		1,900,000	1,900,000

10. Is future-year funding likely to be requested?

Yes

- If yes, indicate non-recurring amount per year.

3,000,000

11. Program Performance:

- 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 program has the potential to accelerate research across Florida to provide data for 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.

- 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 can continue to produce significant return on investment by supporting researchers in FL. Some specific goals as determined by the DOH (along with the results from the 2 years of 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



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was already observed with the potential for even greater returns as these programs further advance toward possible commercialization.

c. How will the funds be expended?

Spending Category	Description	Amount
Administrative Costs		
<input checked="" type="checkbox"/> Executive Director/Project Head Salary and Benefits	Project Head's salary and benefits	45,000
<input type="checkbox"/> Other Salary and Benefits		
<input type="checkbox"/> Expense/Equipment/Travel/Supplies/Other		
<input type="checkbox"/> Consultants/Contracted Services/Study		
Operational Costs		
<input checked="" type="checkbox"/> Salary and Benefits	Scientific Personnel	1,125,000
<input checked="" type="checkbox"/> Expense/Equipment/Travel/Supplies/Other	Supplies and travel within Florida to meet with Partners	330,000
<input checked="" type="checkbox"/> Consultants/Contracted Services/Study	Compounds and services provided to the Florida partner universities and institutes	1,500,000
Fixed Capital Construction/Major Renovation		
<input type="checkbox"/> Construction/Renovation/Land/Planning Engineering		
TOTAL		3,000,000

d. 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 spinoff company. The FLDDAP program was supported with a total of \$6M in funding over two years – \$3M for compound enhancement/maintenance and \$3M for delivery of compound libraries and services to partners in Florida, external to TPIMS. Based upon current government contract pricing for these compound libraries and services, the FLDDAP delivered over \$9.5M in goods and



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services to partners throughout Florida, clearly delivering value and providing a substantial return on investment for the State of Florida.

e. 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.

f. 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.

g. 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 reduced level) in the past two 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:** Greg Welmaker, PhD pres
- b. **Organization:** Torrey Pines Institute for Molecular Studies
- c. **Email:** gwelmaker@tpims.org
- d. **Phone Number:** (772)345-4582

14. Recipient Contact Information:

- a. **Organization:** Torrey Pines Institute for Molecular Studies
- b. **County:** Saint Lucie
- c. **Organization Type:**
 - ☐ For Profit
 - ☒ Non Profit 501(c) (3)
 - ☐ Non Profit 501(c) (4)



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- ☐ Local Entity
- ☐ University or College
- ☐ Other (Please specify)

d. Contact Name: Greg Welmaker, PhD pres

e. E-mail Address: gwelmaker@tpims.org

f. Phone Number: (772)345-4582

15. If there is a registered lobbyist, fill out the lobbyist information below.

a. Name: Jordan Connors

b. Firm: Jordan Connors Group, Inc.

c. Email: jordan@jordanconnors.com

d. Phone Number: (904)206-1604