The Florida Senate
Local Funding Initiative Request
Fiscal Year 2022-2023

LFIR # 1024

1. Project Title Florida Atlantic University—Max Planck Florida Scientific Fellows Program (MPFSFP)

2. Senate Sponsor Bobby Powell

3. Date of Request 10/13/2021

4. Project/Program Description

Through strategic partnerships, and in accord with FAU, the Max Planck Florida Scientific Fellows Program presents training and professional development to postdoctoral, graduate, postbaccalaurate and undergraduate research fellows through: the International Max Planck Research School Graduate Program (IMPRS); Integrative Biology and Neuroscience Graduate Program (IBNS); Sunposium, grown to be recognized as a preeminent scientific conference on neural circuits in the Southeastern USA; MPFI's Neuroimaging and Scientific Short Courses, a unique series with hands-on training of cutting-edge imaging technologies; and other program pillars; collectively, all which expose MPFSFP fellows to Nobel Laureates and Distinguished Visiting Faculty. Each strategic pillar is carefully linked together so students gain unmatched knowledge and experience benefiting from a multitude of interactions, while participating in outstanding and successful career development programs for young neuroscientists.

5. State Agency to receive requested funds Department of Education

State Agency contacted? Yes

6. Amount of the Nonrecurring Request for Fiscal Year 2022-2023

Type of Funding	Amount
Operations	750,000
Fixed Capital Outlay	0
Total State Funds Requested	**750,000**

7. Total Project Cost for Fiscal Year 2022-2023 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	750,000	32%
Matching Funds		
Federal	0	0%
State (excluding the amount of this request)	889,101	38%
Local	0	0%
Other	700,000	30%
Total Project Costs for Fiscal Year 2022-2023	**2,339,101**	**100%**

8. Has this project previously received state funding? Yes

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		
2021-22	889,101	750,000	150	Yes

9. Is future funding likely to be requested? Yes

a. If yes, indicate nonrecurring amount per year. 750,000

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

Funding supports salaries of students and junior scientists to benefit from Max Planck Florida's outstanding research facilities and training opportunities. If not funded by the state, student numbers benefiting from the program will have to be reduced.

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

No

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

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

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits	MPFI Head of Scientific Training	15,750
Other Salary and Benefits		0
Expense/Equipment/Travel/Supplies/ Other		0
Consultants/Contracted Services/Study	Administrative Fee to FAU	15,000
Operational Costs: Other		
Salary and Benefits	Program elements: Postdoctoral fellows, postgraduate and PhD students, postbaccalaureate fellows, undergraduate fellows (including dual enrolled high-school students).	550,000
Expense/Equipment/Travel/Supplies/ Other	IMPRS - Int'l Max Planck Research School graduate program, Integrative Biology and Neuroscience graduate program, professional and career development programs, distinguished visiting faculty program, Sunposium (FL Int'l Neuroscience Conference), Neuroimaging Techniques and Scientific Short Courses, fellows travel, digital library, data science, virtual communications.	169,250
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)		**750,000**

12. Program Performance

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

The Max Planck Florida Scientific Fellows program was launched in 2014. Through strategic partnerships and shared investments Max Planck Florida Institute for Neuroscience (MPFI), in accord with Florida Atlantic University, has designed and implemented a unique program with the chief objective to train the next generation of the best and brightest researchers from Florida's academic institutions and beyond. It strongly contributes to strengthen the supply of a highly educated workforce, and is pivotal for the nationwide recognition of Florida and the region as a uniquely outstanding and internationally competitive scientific and working environment. Through developing a highly successful career development program for young neuroscientists, the students are part of breakthrough advancements in investigating the human brain, leading to groundbreaking discoveries & small start-up companies, with the ultimate goal to help cure some of the most devastating brain disorders of our time.

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

MPFSFP is composed of several strategic pillars, which are carefully linked together to have students benefit from a multitude of interactions with their peers, and participate in career development opportunities, both at the local and international level. These pillars are: Postdoctoral Fellows Program; Graduate Research Fellows; Postbaccalaureate Fellows Program; Undergraduate Scholars Fellows; IMPRS – Int'l Max Planck Research School graduate program; IBNS – Integrative Biology & Neuroscience graduate program; Fellows Travel; MPFI Scientific Fellows Distinguished Visiting Faculty Program; MPFI Neuroimaging Techniques and Scientific Short Courses; MPFI Neuroscience Summit(s), Sunposium (FL most prestigious international neuroscience conference); MPFI Digital Library and Virtual Communication Tools; Data Science & Artificial Intelligence Training, MPFI Scientific Fellows Program Management.

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

Nearly 100% of the funding is directly or indirectly re-invested into the economy of Florida. Strongly impact the state by training highly qualified science graduates in neuro & data science, artificial intelligence, business development. Additionally, stimulus on the regional economy and service sectors grows as the program evolves. The exclusive international aspects of the program ensure that impact is reaching far beyond our institution and benefits the entire science community in the State of Florida. Already visible is the long-term affect on improving the scientific standing of the region and State, and the ranking of its universities. Florida Atlantic University has raised the standards for applications and successfully increased the overall number of high-quality applications. Also, MPFI reaches out and includes students from other Florida research universities to benefit from our professional development programs, conferences, courses, internships, and summits.

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

Postdoctoral researchers, graduate research PhD students, post-baccalaureate and undergraduate scholars (including dual enrolled high-school students), and research scientists. Through all program elements, including training, professional development, conferences, courses and summits, it is estimated well over 800 individuals will be served.

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

MPFSFP tracks every pillar of the program marking highlights and accomplishments of each. The benefit and impact of the program is also revealed in the success and achievements of the fellows, and will be measured through the future career trajectories of these young scientists. For example, two successful IMPRS PhD graduates accepted postdoctoral research positions at Harvard University. Undergraduate scholars continue to remain in Florida, joining the postbaccalaureate, IMPRS PhD, IBNS, or other advanced training programs. MPFSFP Fellows are publishing results in high-impact journals, in some cases as first-author, all strong indicators of program success. The number and quality of applicants to the program steadily increase, indicating its outstanding reputation and a growing interest in pursuing science careers in Florida.

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?

Funds will be returned if the terms of the agreement are not met.

13. 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.

Not applicable.

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14. Requestor Contact Information

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b. Organization Max Planck Florida Institute for Neuroscience

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15. Recipient Contact Information

a. Organization Max Planck Florida Institute for Neuroscience

b. Municipality and County Palm Beach

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 Matthias **Last Name** Haury

e. E-mail Address Matthias.Haury@mpfi.org

f. Phone Number (561)339-0690

16. Lobbyist Contact Information

a. Name Mathew Forrest

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