



Grant Proposal View

MBARI External Grants Endorsement Form for Contracts and Grant Proposals or Service Agreement Requests

Proposal Number: **18-73** *Sponsor:* **NSF** *PI:* **Kirkwood, William J**

General Information

Principal Investigator (PI) Name:	Kirkwood, William J
PI Email Address:	kiwi@mbari.org
PI Phone number:	(831) 775-1707
co-Principal Investigator (co-PI) Name:	
co-PI Email Address:	
co-PI Phone number:	
Proposal Type:	New
Is there a letter of intent?	Yes ☐ No ☒
Is MBARI a subaward on someone else's proposal?	Yes ☐ No ☒
Primary Flow-Through Institution:	Sotny Brook University
Primary Flow-Through PI	Dr. Bradley J. Oeterson
Secondary Flow-Through Institution	NA
Secondary Flow-Through PI	NA
Sponsor:	NSF
Funding Opportunity Number:	nsf18513
RFP Link:	https://www.nsf.gov/pubs/2018/nsf18513/nsf18513.htm
Due Date:	1/22/2019
Sponsor Email Address:	rphelps@nsf.gov
Sponsor Phone Number:	(703) 292-8040
Sponsor Physical Mailing Address:	Office of Integrative Activities Major Research Instrumentation Program National Science Foundation, Room 935 4201 Wilson Boulevard

	Arlington, VA 22230
Title of Contract/Proposal/Service Agreement:	MRI (Track 1): Development of a modular Free Ocean Carbon Enrichment (FOCE) system for coastal research
Project Period:	1/1/2019 to 12/31/2020
Location where work will be done. (Monterey Bay, Antarctic, etc.)	Long Island Sound
Scope of Proposal or Agreement (A concise overview of what the project is about and how it may impact MBARI):	The primary aim of this approach is to move from understanding single organism responses to ocean acidification, to the community and ecosystem level, through the use of in situ experimental approaches involving natural benthic communities using MBARI technology. The effort for MBARI would be as a consultant and reviewer on the Stony Brook unit(s).
Is the grant proposal linked to, or dependent on, any internal proposals? Explain.	Yes ☐ No ☒
Describe how this grant proposal fits in with MBARI's research goals and strategic plan:	Per the strategic plan, MBARI is interested in "assessing the impacts of climate change" using "improved techniques for in situ studies" and "understanding critical phenomena in ecosystem dynamics". This is partially accomplished by advancing persistence and transferring technical knowledge as parts of MBARI's values to share technology with external oceanographic communities for the common good of the general public.
Describe the work breakdown structure and/or milestones associated with this proposal:	The work breakdown is 1) concept design assistance, 2) review attendance, 3) consulting on components for purchase or build, 4) consult with install and start-up and 5) assist with final publication(s).
Do you plan or anticipate transporting or shipping any research materials or equipment related to this project outside the United States? Explain.	Yes ☐ No ☒
Will foreign nationals have access to the materials or equipment? Explain.	Yes ☐ No ☒

Budget Information

Amount MBARI is Requesting:	\$25,000.00
Cumulative Budget Total:	\$1,293,800.00

Indirect Cost Rate:

51.00 %

Subawards

Resources

Will this proposal or agreement require new hires? Explain.

YesNo

Does the proposal involve purchasing capital equipment?

YesNo

Does the proposal involve manufacturing capital equipment in house? Please describe the equipment, who will be manufacturing the item (i.e. machine shop, engineering), and who takes ownership of the equipment (i.e. MBARI, Sponsor).

YesNo

Will MBARI space be impacted (offices, labs, etc)? Explain.

YesNo

Does your proposal involve scuba diving? Please provide a brief description including the organizational affiliations of any non-MBARI divers for approval by the MBARI Diving Safety Officer.

YesNo

Are there any platform deployments required? (moorings, drifters, profilers, floats, AUVs, etc) Explain.

YesNo

Vessels and Personnel

Vessel Name	Equipment	Number of Days	Amount	Year	Funding Source
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Name	Position	Division	Months per Year	Time Frame	Funding Source	Role On Grant	Other Role
Kirkwood, William J	ENG-Mechanical Eng-Division	ENG	3.0000	All Yrs	MBARI	PI	



Management Committee Comments

Kirkwood, William: 12/19/2018 10:30 AM

This is not unlike what I did for Australians but a smaller effort.

Make a comment for the management committee:

Save Comment