

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2131837

Managing Division Abbreviation: DBI

Amendment Number: 000

AWARDEE INFORMATION

Award Recipient: Regents of the University of Idaho

Awardee Address: Office of Sponsored Programs 875 Perimeter Drive MS 3020 MOSCOW, ID 83844-3020

Official Awardee Email Address: osp@uidaho.edu

Unique Entity Identifier (DUNS ID): 075746271

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 09/20/2021

Amendment Number: 000

Proposal Number: 2131837

Amendment Description:

The National Science Foundation hereby awards a Cooperative Agreement for support of the project described in the proposal referenced above as modified by revised budget dated 07/20/2021.

This award includes funds from the EPSCoR program and those funds cannot be transferred to non EPSCoR jurisdictions.

The Foundation authorizes the awardee to enter into the proposed subaward arrangement and to fund the subaward with award funds up to the amount indicated in the approved budget or NSF-approved post award request. The subaward should contain appropriate provisions consistent with Appendix B of the Research Terms and Conditions (RTC) dated November 12, 2020, or Articles 8.a.4. and 9 of the NSF Grant General Conditions (GC-1) dated November 12, 2020 (as appropriate), as well as any special conditions included in this award.

AWARD INFORMATION

Award Number (FAIN): 2131837

Award Instrument: Cooperative Agreement

Award Date: 09/20/2021

Award Period of Performance: Start Date: 10/15/2021 End Date: 09/30/2026

Project Title: Mid-scale RI-1 (M1:IP): A Deep Soil Ecotron facility to explore belowground communities and ecosystem processes

Managing Division Abbreviation: DBI

Research and Development Award: Yes

Funding Opportunity: NSF 21-505 Mid-scale Research Infrastructure-1

CFDA Number and Name: 47.074 Biological Sciences

FUNDING INFORMATION

Amount Obligated by this Amendment: \$8,500,000

Total Intended Award Amount: \$18,950,955

Total Approved Cost Share or Matching Amount: \$0

Total Amount Obligated to Date: \$8,500,000

Expenditure Limitation: \$0

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

| Fiscal Year | Increment Amount |
|-------------|------------------|
| | |

2022

\$10,450,955

PROJECT PERSONNEL**Principal Investigator:** Michael S Strickland**Email:** mstrickland@uidaho.edu**Institution:** Regents of the University of Idaho**co-Principal Investigator:** Susan E Crow**Email:** crows@hawaii.edu**Institution:** University of Hawaii**co-Principal Investigator:** Rodrigo Vargas**Email:** rvargas@udel.edu**Institution:** University of Delaware**co-Principal Investigator:** Zachary Kayler**Email:** zkayler@uidaho.edu**Institution:** Regents of the University of Idaho**co-Principal Investigator:** Caley K Gasch**Email:** caley.gasch@ndsu.edu**Institution:** North Dakota State University Fargo**NSF CONTACT INFORMATION****Managing Grants Official (Primary Contact)****Name:** Michael A Horneffer**Email:** mhorneff@nsf.gov**Awarding Official****Name:** Jason M. Madigan**Email:** jmadigan@nsf.gov**Managing Program Officer****Name:** Robert D Fleischmann**Email:** rfleisch@nsf.gov**GENERAL TERMS AND CONDITIONS**

This Cooperative Agreement (CA) is entered into between the United States of America, represented by the National Science Foundation (NSF), and the above named Awardee pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 USC 1861-1875). This CA is provided electronically to the Awardee. The Awardee is responsible for full compliance with all Programmatic and Financial/Administrative Terms and Conditions as initially stated or as updated over the life of this CA. The Awardee's request to draw down funds under this CA will represent acceptance by the Awardee of all Terms and Conditions of the CA. The Authorized Organizational Representative (AOR) will be electronically notified of any changes to these Terms and Conditions and is encouraged to immediately review these changes and contact the Grants and Agreements Official or Program Officer within thirty days with any questions.

CA-FATC

This award is subject to the Cooperative Agreement Financial & Administrative Terms and Conditions (CA-FATC), dated 11/12/2020, available at https://www.nsf.gov/awards/managing/co-op_conditions.jsp.

This award is made in accordance with the provisions of NSF Solicitation: NSF 21-505 Mid-scale Research Infrastructure-1.

To view the Award Document in FastLane go to:

<https://www.fastlane.nsf.gov/researchadmin/emailLoginHome.do?awardId=2131837&amendmentId=000>

FATC AND PTC

Financial and Administrative Terms and Conditions (FATC)

1. This award contains an Award Cash Management Service expenditure limitation threshold. The awardee is only authorized to expend funds up to \$0. All future increases (payments) under this award will be contingent upon the awardees ability to provide an acceptable Project Execution Plan. Each plan must be approved by the cognizant NSF Program Official. The cognizant Program Official may request an updated Project Execution Plan at any time during the life of the project. Updated Project Execution Plan requests are considered official NSF notifications. A notification for an updated plan is an indication that a previously approved plan is no longer valid. Approval of interim and annual reports does not represent approval of a Project Execution Plan unless otherwise specified by the cognizant NSF Program Official. Cash Advances are not authorized for this award.
2. The awardee will not expend funds identified in the award budget as being for contingencies without first obtaining approval, on a case by case basis, from NSF. Requests to spend contingency funds must be submitted via Research.gov and approved by NSF. In rare cases where exigent circumstances require an immediate, on-the-spot decision, the awardee may request approval after the fact at its own risk. After-the-fact approval may be denied but will normally be provided if: (a) NSF agrees that the urgency of the decision meant that it would have been unreasonable to consult with NSF in advance; (b) the expenditure is consistent with the award terms and conditions, and the language of solicitation NSF 21-505 - Mid-scale Research Infrastructure-1; and (c) the expenditure is consistent with the NSF-approved scope of work.
3. Funding for this project can be reduced and/or restricted. The cognizant PD can recommend termination in the case of non-performance.

Programmatic Terms and Conditions (PTC)

The Awardee will provide ad hoc and regular reports as designated by the cognizant NSF Program Director (PD) with content, format, and submission time line established by the cognizant NSF PD. A Semi-annual Project Report will be prepared and submitted to NSF, as an interim report in FastLane, within 30 days following the end of each six month reporting period. The 2nd report each year will be submitted as an Annual Report to Fastlane.

NSF may conduct a review of the Project at least twice per year. This will normally consist of an annual Progress Report, presented at the NSF Headquarters or during a site visit by the NSF PD. However, if deemed necessary, it may take the form of a Peer Review with assistance from external panel of experts.

Within 60 days of award, the awardee will submit an updated Project Execution Plan using an NSF-provided template.

The project will receive independent technical advice from an external technical advisory panel. The NSF PD will receive a copy of the technical advisory panel report.

Teleconferences between the Principal Investigator/Project Manager (PM) and the NSF PD, plus any relevant co-PIs/collaborators, will be arranged as needed (roughly twice a year) at times to be jointly decided by the NSF PD and the PM.

BUDGET

| A. Senior Personnel | |
|----------------------------------|----------|
| Senior Personnel Count | 4.00 |
| Senior Personnel Calendar Months | 0.00 |
| Senior Personnel Academic Months | 0.00 |
| Senior Personnel Summer Months | 3.01 |
| Senior Personnel Amount | \$26,797 |
| B. Other Personnel | |
| Post Doctoral Scholars | |
| Post Doctoral Count | 0.00 |
| Post Doctoral Calendar Months | 0.00 |
| | |

| | |
|---|-------------|
| Post Doctoral Academic Months | 0.00 |
| Post Doctoral Summer Months | 0.00 |
| Post Doctoral Amount | \$0 |
| Other Professionals | |
| Other Professionals Count | 0.00 |
| Other Professionals Calendar Months | 0.00 |
| Other Professionals Academic Months | 0.00 |
| Other Professionals Summer Months | 0.00 |
| Other Professionals Amount | \$0 |
| Graduate Students | |
| Graduate Students Count | 4.00 |
| Graduate Students Amount | \$109,192 |
| Undergraduate Students | |
| Undergraduate Students Count | 0.00 |
| Undergraduate Students Amount | \$0 |
| Secretarial - Clerical | |
| Secretarial - Clerical Count | 0.00 |
| Secretarial - Clerical Amount | \$0 |
| Other | |
| Other Count | 2.00 |
| Other Amount | \$120,891 |
| <i>Total Salaries and Wages (A+B)</i> | \$256,880 |
| C. Fringe Benefits | \$60,457 |
| <i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i> | \$317,337 |
| D. Equipment | \$6,020,437 |
| E. Travel | |
| Domestic | \$19,344 |
| International | \$0 |
| F. Participant Support Costs | |
| Participant Support Costs Stipends | \$0 |
| Participant Support Costs Travel | \$0 |
| | |

| | |
|---|--------------------|
| Participant Support Costs Subsistence | \$0 |
| Participant Support Costs Other | \$0 |
| Total Number of Participants | 0.00 |
| <i>Total Participant Costs (F)</i> | \$0 |
| G. Other Direct Costs | |
| Materials Supplies | \$10,261 |
| Publication Costs | \$0 |
| Consultant Services | \$218,138 |
| Computer Services | \$0 |
| Subawards | \$687,631 |
| Other | \$853,853 |
| <i>Total Other Direct Costs (G)</i> | \$1,769,883 |
| H. Total Direct Costs (A Through G) | \$8,127,001 |
| I. Indirect Costs* | \$372,999 |
| J. Total Direct and Indirect Costs (H + I) | \$8,500,000 |
| K. Fees | \$0 |
| L. Total Amount of Request (J) OR (J + K) | \$8,500,000 |
| M. Cost Sharing Proposed Level | \$0 |
| | |

*Indirect Cost Rates

| Item Name | Indirect Cost Rate |
|--|--------------------|
| Indirect costs (MTDC on-campus research - 3) | 50.0000% |
| Indirect costs (MTDC on-campus research - 9) | 48.5000% |

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.