

Agreement No.: HR0011720046
PR No.: HR0011728353, HR0011729384
Effective Date: May 1, 2017
DARPA's CFDA Number: 12.910
DODAAC: HR0011

Issued by: Defense Advanced Research Projects Agency (DARPA)
Contracts Management Office (CMO)
675 North Randolph Street, Arlington, VA 22203-2114
Attn: Susan K. Shean, Agreements Officer,
susan.shean@darpa.mil, 703-526-4128

Recipient: North Carolina State University
2701 Sullivan Dr Ste 240 Campus BX 7514
Raleigh NC 27695-7003
sps@ncsu.edu, 352-515-2444

Recipient Identification Numbers/Codes:

DUNS: 042092122
CAGE: 1E7H9
TIN: 56-6000756

Total Cooperative Agreement Amount:
Phase I Base Period Amount: \$2,889,595.00
Phase II Option Period Amount: \$2,146,694.00
Total Estimated Amount of Cooperative Agreement: \$5,036,289.00

Accounting and Appropriation Data: CLIN 0001 SUBCLIN 01 ACRN AA

FUND CITE

012199 097 0400 000 N 20172018 D 1320 BSGN66 2017.MBT-02.CORE.A DARPA 255

AMOUNT

\$1,465,513.00

- 437,903 isf increment
\$ 1,027,610

Payment Office Information:

Defense Financial Accounting Services IN VP DAI DARPA
8899 East 56th Street
Indianapolis, IN 46249-0002
DODAAC: HQ0685

[AWARD SUBJECT TO ELECTRONIC FUNDS TRANSFER (EFT) REQUIREMENT]

Authority: This Cooperative Agreement is issued pursuant to the authority of 10 U.S.C. § 2358, as amended.

COOPERATIVE AGREEMENT SCHEDULE

1. Purpose: The purpose of this Agreement is to fund research supporting the Defense Advanced Research Projects Agency (DARPA) Biological Technologies Office (BTO). This effort shall be carried out generally as set forth in Exhibit B Research Description Document dated April 10, 2017 and in the Recipient's proposal titled "Restoring Ecosystems and Biodiversity through Development of Safe and Effective Gene Drive Technologies", dated November 14, 2016, copies of which are in the possession of both parties.

2. Term:

Phase I Base Period: The term of this Agreement commences on the effective date of award and continues through twenty four (24) months thereafter.

Phase II Option Period: If exercised, commences on the effective date of option exercise and continues through twenty four (24) months thereafter. This option may be exercised any time prior to the expiration date of the Cooperative Agreement (Phase I Base Period).

3. **Terms and Conditions:** This Agreement is subject to the terms and conditions set forth in the attached Exhibit A, entitled "DARPA Agency Specific Terms And Conditions," dated July 2016 and to any special terms and conditions in this Agreement Schedule. An Intellectual Property Rights Identification and Assertion List dated April 14, 2017 is provided in the attached Exhibit D.

4. **Agreement Officer's Representative:** The Agreement Officer's Representative (AOR) representing the Government under this Agreement is:

SPAWARSSYSCEN PACIFIC
ATTN.: Ernest Arias
53560 Hull Street
San Diego, CA 92152
E-mail: ernie.arias@navy.mil, Phone: 619-553-3579

The AOR Appointment Memo is provided as Exhibit C to this Cooperative Agreement.

5. **Miscellaneous Point of Contacts (POC):** The following POCs are provided in reference to Exhibit A, Article 5:

a) Dr. Renee Wegrzyn (DARPA Program Manager)
Biological Technologies Office (BTO)
675 N. Randolph Street Arlington, VA 22203-2114
Email: renee.wegrzyn@darpa.mil

b) Susan K. Shean (Agreements Officer)
675 North Randolph Street Arlington, VA 22203-2114
Email: susan.shean@darpa.mil

c) DARPA/Research Services
675 N. Randolph Street Arlington, VA 22203-2114
Email: ResearchServices@darpa.mil

6. **Administrative Agreements Office:** The Administrative Agreement Office (AAO) for this Cooperative Agreement is:

Office of Naval Research (ONRR) Atlanta
100 Alabama Street, SW
Suite 4R15
Atlanta, GA 30303-3104
ONR_Atlanta@navy.mil; T: 404-562-1600
Code: N66020

7. **Principal Investigator:** The Principal Investigator shall be responsible for this effort.

Dr. John Godwin
North Carolina State University
David Clark Labs 156, Box 7558
Raleigh, NC 27695
T: 919-513-2936
Email: john_godwin@ncsu.edu

The Recipient agrees to notify the AAO before changing the Principal Investigator.

1,027,610
- 437,903

8. **Agreement Funding:** This Agreement is incrementally funded in the amount of \$1,465,513.00. The Government's obligation to make payments to the Recipient is limited to only those funds obligated by this Agreement or by modification to this Agreement. Subject to availability of funds and continued satisfactory progress on the Agreement as determined by the Government, the Government agrees to provide funding according to the following schedule:

FY18: \$1,028,568.00
FY19: \$395,514.00

9. **Payments:** Payments will be made to the Recipient on a reimbursement basis and shall be made by electronic funds transfer in accordance with the account information provided to the System for Award Management (SAM).

10. **Substantial Involvement:** Substantial involvement is expected between the U. S. Government and the Recipient when carrying out the activity contemplated in this Agreement. It will include the U. S. Government's (a) sharing responsibility for the management, control, direction, or performance of the project, and (b) retaining the right to intervene in the conduct or performance of the project. The substantial involvement will include the U.S. Government's direction of activities to develop the research protocols necessary to complete the work and the approval of analysis mechanisms.

11. **Option:** The Government may require the performance of the following option. The Agreements Officer may exercise the option by providing written notice to the Performer at least thirty days prior to the end of the Agreement:

Phase 2 Option Period - \$2,146,694.00 (24 Months)

11. List of Exhibits:

Exhibit A - DARPA Agency Specific Terms and Conditions (July 2016) - 5 pages

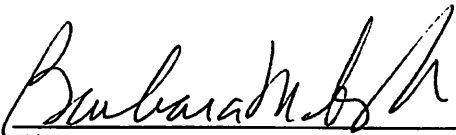
Exhibit B - Research Description Document (April 10, 2017) - 24pages

Exhibit C - Agreements Officer's Representative Appointment Memorandum (April 17, 2017) - 3 pages

Exhibit D - Intellectual Property Rights Identification and Assertion List (April 14, 2017) - 3 pages

FOR NORTH CAROLINA STATE UNIVERSITY

FOR THE UNITED STATES OF AMERICA
DEFENSE ADVANCED RESEARCH PROJECTS AGENCY



(Signature)



(Signature)

Barbara M. Asbell, CRA
Sr. Contract Negotiator
NCSU Sponsored Programs

(Name, Title) 7/5/2017
(Date)

Susan K. Shean
Agreements Officer 7/6/2017
(Date)