

Subject: Re: North Carolina State University (NCSU) Proposal: Restoring Ecosystems and Biodiversity through Development of Safe and Effective Gene Drive Technologies.

From: Royden Saah <royden.saah@islandconservation.org>

Date: 4/19/2017 1:41 PM

To: Joanna Jones <jmjones4@ncsu.edu>

CC: Derek Gatlin <derek_gatlin@ncsu.edu>, Jason Delborne <jadelbor@ncsu.edu>, "jrgodwinnc@gmail.com" <godwin@ncsu.edu>

Nice - Many Thanks!!

Get [Outlook for iOS](#)

From: Joanna Jones <jmjones4@ncsu.edu>

Sent: Wednesday, April 19, 2017 1:20:57 PM

To: Davidowich, Gregory (contr-cmo)

Cc: Shean, Susan; jrgodwinnc@gmail.com; Royden Saah; Jason Delborne; Derek Gatlin; CNR Pre-Award Team; preaward@sciences.ncsu.edu

Subject: Re: North Carolina State University (NCSU) Proposal: Restoring Ecosystems and Biodiversity through Development of Safe and Effective Gene Drive Technologies.

Thank you for your patience; information about the final two pending items is included here.

Texas A&M University

1) Provide quotes and breakdown for Animal Engineering \$15,000: DNA construct synthesis \$2,500, gRNA production and testing \$400, Pronuclear injection \$3,200, Breeding and testing of founder mice \$2,500 (breeding, PCR) and Animal Per Diem \$11,300. [Please see Attachment 6 for a breakdown of individual costs for each heading. Animal Engineering Costs for 1 line have increased slightly to \\$15,729 per line \(DNA construct synthesis \\$3969, gRNA production and testing \\$1000, Pronuclear injection \\$3200 X 3 injections, Breeding and testing of founder mice \\$1160\), but Animal Per Diem Costs have been reduced to \\$8,820 for each of the three groups.](#)

Arizona State University

1) Provide the latest edition of the draft ASU consulting agreement reflecting the proposed \$125/hour rate for Farooque. [Dr. Farooque will be acting as an independent consultant instead of going through ASU. His updated collaboration letter is attached here \(Attachment 7\), and he has agreed to the terms of the draft NCSU Consulting Agreement which is also attached \(Attachment 8\) and will be completed once DARPA's agreement with NCSU is finalized.](#)

Please let me know if there is any other information you need from our office.

Many thanks,
Joanna

On Fri, Apr 14, 2017 at 1:41 PM, Joanna Jones <jmjones4@ncsu.edu> wrote:

Good afternoon, attached please find the answers to your questions in blue. The only pending items are TAMU's animal costs (\$15,000) and ASU's consulting agreement, which we will provide as soon as available.

NCSU

1) Provide salary support for TBD/Mouse Tech position. Phase 1 Proposed Amount: \$76,000, Phase 2 proposed amount: \$61,378, Total: \$137,378. We are paying this position \$38,000 per year, with 12 months effort per year in Phase 1 and 9.69 months effort per year in Phase 2. Attachment 1 indicates a similar job opening currently posted at NCSU, with anticipated salary between \$38,000 and \$40,000.

Provide salary support for TBD/Post Doc (Modeling) position. Phase 1 Proposed Amount: \$75,000, Phase 2 proposed amount: \$0, Total: \$75,000. This amount is for 1 postdoc per year for 1.5 years at \$50,000 per year, with salary roughly correlating to NIH stipend levels for postdoc trainees with 3 years experience; see <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-134.html>

Provide salary support for TBD/Post Doc (Mice) position. Phase 1 Proposed Amount: \$93,888, Phase 2 proposed amount: \$0, Total: \$93,888. This amount is a postdoc for 1.85 years at \$50,000 per year, with salary roughly correlating to NIH stipend levels for postdoc trainees with 3 years experience; see <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-16-134.html>

Provide salary support for TBD/Graduate Student (Summer) position. Phase 1 Proposed Amount: \$12,000, Phase 2 proposed amount: \$0, Total: \$12,000. \$2000 per month for 2 students to work 3 months each at 20 hours per week, commensurate with other graduate students being paid for summer research in NCSU's College of Sciences. For example, in Biological Sciences the annualized salary for a graduate stipend is typically \$24,000 for 12 months work at 20 hours per week.

Provide salary support for TBD/Workshop Support position. Phase 1 Proposed Amount: \$0, Phase 2 proposed amount: \$5,370, Total: \$5,370. Provide salary support for TBD/Workshop Support position. Phase 1 Proposed Amount: \$0, Phase 2 proposed amount: \$7,440, Total: \$7,440. This request is for graduate student assistants to support Dr. Delborne in compilation and analysis of data from Community Focus Group workshops.

2) Explain the proposed Fringe Benefit rate of 33%. DHHS Agreement dated 01/24/17 has Fringe Benefits 07/01/17 - 06/30/18 .90%; 07/01/18 - 06/30/20 .90%. Detailed information about NCSU's fringe benefits calculation can be found at <https://research.ncsu.edu/sparcs/budgeting-guidelines/budgeting-fringe/> and <https://research.ncsu.edu/sparcs/budgeting-guidelines/budgeting-fringe/budgeting-benefit-charges/>

3) Provide the basis of estimate for the Publication Costs \$2,000 under Travel and Program/Admin Costs (ODCs) for Phase 2. One publication at PLoS One at \$1495 (regardless of publication length) and one PeerJ publication, estimated at \$1095; see <http://journals.plos.org/plosone/s/publication-fees> and <https://peerj.com/pricing/>. These journals have open access, which fits the transparency goals of this program. If possible, NCSU would like to request a budget increase for this line item to \$2590.

4) Provide the breakdown of the separate amount proposed for Travel - Travel/lodging/per diem), \$14,040 on the NCSU (Phase I) sheet and explain the reason for separating the amount from the other Travel expenses. Participant Support travel is separated from Key Personnel travel because it is not subject to indirect costs. We anticipate having 12 participants. Travel costs are estimated at \$1170 per person: \$550 airfare (estimate), \$180 (3 days per diem), \$140 ground transport, \$300 lodging (2 nights).

5) Provide basis of estimate/calculation for Participant Support expenses Workshop - Workshop food for two days \$3,000. 20 participants X 2 days X \$75/day (meals catered by NCSU's Rave Events service: Free Expression Breakfast \$12.95, AM/PM Combination Break \$9.95, Box Lunch including beverage \$9.95 - \$10.95 plus Fruit Cup \$1.25; Plated Dinner \$24.95) PRICES SUBJECT TO CHANGE; current prices available on Attachment 2 Menu

6) Provide basis of estimate/calculation for NCSU (Phase II) Participant Support/Assorted expenses, Community Participant Stipends \$15,000, Local Partner Staff Support \$12,000, and Facilitator and Notetaker Stipends \$1,800, Total \$28,800. Community Participants Stipends: 3 community focus groups X 50

participants X \$100 = \$15K; Local partner staff support is calculated as \$40/hour X 100 hours X 3 Community Engagement workshops; Facilitator and Notetaker Stipends: 3 community focus groups x (2 facilitators + 4 notetakers) x 4 hours x \$25/hr = \$1,800

7) Phase I, 2 Year Performance Period.

-Calculation/composition of the proposed NCSU Direct Labor amounts for the PI and Post Doc (Mice) positions under Task 3.1.1.4. The salaries are divided by 2 and escalated by 3%. ($=\$E27/2*N27+\$E27/2*N27*1.03$) ($=\$E37*N37/2+\$E37*N37/2*1.03$). NCSU recommends 3% annual salary inflation - see <https://research.ncsu.edu/sparcs/budgeting-guidelines/budgeting-salaries/> ; salaries are inflated 3% per year in Year 2-4 except for the inadvertent exceptions listed below.

-The NCSU PI position amounts under Task 3.1.1.5 and Task 3.1.5.1 are calculated using the position's salary and not escalated. We failed to include 3% inflation for this position.

-The NCSU Mouse Tech position amount under 3.1.1.4 is calculated using the position's salary and not escalated. We failed to include 3% inflation for this position.

Texas A&M University

1) Provide quotes and breakdown for Animal Engineering \$15,000: DNA construct synthesis \$2,500, gRNA production and testing \$400, Pronuclear injection \$3,200, Breeding and testing of founder mice \$2,500 (breeding, PCR) and Animal Per Diem \$11,300. Pending

2) Provide NCSU's technical analysis/cost analysis-Fair and Reasonable Price Determination of the proposal.

In accordance with the Fair and Reasonable Price Determination guidance found at <https://dap.dau.mil/acquipedia/Pages/ArticleDetails.aspx?aid=1ae4716b-d8f3-4839-9785-adbd19d5a26f>

We have determined that TAMU's costs appear fair and reasonable based on historical experience with similar research efforts at NCSU. The subcontract PI will seek competitive prices for items necessary to complete the subcontract work, and NCSU's PI will monitor TAMU's expenditures for reasonableness during the course of the project. Please provide additional guidance as necessary.

Arizona State University

1) Provide the latest edition of the draft ASU consulting agreement reflecting the proposed \$125/hour rate for Farooque. Pending

2) Resend the screen shot of the ASU hourly rate in the HR Docs for ASU folder in a different edition of WinZip. We do not have Winzip Pro capability. Please see Attachment 3.

3) Provide NCSU's technical analysis/cost analysis-Fair and Reasonable Price Determination of ASU's proposed hourly rate. In accordance with the Fair and Reasonable Price Determination guidance found at <https://dap.dau.mil/acquipedia/Pages/ArticleDetails.aspx?aid=1ae4716b-d8f3-4839-9785-adbd19d5a26f>

We have determined that ASU's costs appear fair and reasonable based on historical experience with similar research efforts at NCSU. The subcontract PI will seek competitive prices for items necessary to complete the subcontract work, and NCSU's PI will monitor ASU's expenditures for reasonableness during the course of the project. Please provide additional guidance as necessary.

Keystone Policy Center

1) Provide the stage NCSU is in with finalizing the KPC labor hour rates/Consulting Agreement. Draft Consulting Agreement is attached (Attachment 5).

Island Conservation

1) Provide documentation of Government review/approval of cost accounting system.

CSIRO Australian Animal Health Laboratory

1) Provide explanation/details of External Expert Stipends \$1,000 per workshop (3 days each) \$6,000 for Phase 1 and \$9,000 for Phase 2 Total: \$15,000. Three stipends at \$1000 per external expert for workshop; there will be two workshops in Phase 1 and three workshops in Phase 2.

2) Provide explanation/details of External Expert Travel \$942 per participant Total \$6,000 for Phase 1 and \$942 per participant Total \$8,478 for Phase 2. In Row 76, we request \$5652 for travel in Phase 1, which pays for 6 participants' travel at \$942 per participant. (\$6000 comes from row 75). Phase 2 pays for 9 participants' travel at \$942 per participant (Row 77).

3) Provide NCSU's technical analysis/cost analysis-Fair and Reasonable Price Determination of the proposal. In accordance with the Fair and Reasonable Price Determination guidance found at <https://dap.dau.mil/acquipedia/Pages/ArticleDetails.aspx?aid=1ae4716b-d8f3-4839-9785-adbd19d5a26f> We have determined that CSIRO's costs appear fair and reasonable based on historical experience with similar research efforts at NCSU. The subcontract PI will seek competitive prices for items necessary to complete the subcontract work, and NCSU's PI will monitor CSIRO's expenditures for reasonableness during the course of the project. Please provide additional guidance as necessary.

FYI. On 04/03/17, an email was sent to CSIRO requesting company HR salary records for the proposed personnel. This information is confidential and cannot be provided by NCSU, but Christopher.Morrissy@csiro.au should provide this information directly.

Thank you,
Joanna Jones, MA, CRA
Authorized Organizational Representative (AOR)
North Carolina State University
College of Sciences Pre-Award Office
2700 Stinson Drive, 312-B Cox Hall
Raleigh, NC 27695-8209
Tel: 919-513-4111
Fax: 919-513-7015
Email: preaward@sciences.ncsu.edu

On Tue, Apr 4, 2017 at 6:24 AM, Davidowich, Gregory (contr-cmo) <Gregory.Davidowich.ctr@darpa.mil> wrote:

Joanna Jones, MA, CRA
Authorized Organizational Representative (AOR) North Carolina State
University College of Sciences Pre-Award Office

DARPA is continuing its review of NCSU's proposal.
The following information is needed:

NCSU

1) Provide salary support for TBD/Mouse Tech position. Phase 1 Proposed Amount: \$76,000, Phase 2 proposed amount: \$61,378, Total: \$137,378.

- Provide salary support for TBD/Post Doc (Modeling) position. Phase 1 Proposed Amount: \$75,000, Phase 2 proposed amount: \$0, Total: \$75,000.
- Provide salary support for TBD/Post Doc (Mice) position. Phase 1 Proposed Amount: \$93,888, Phase 2 proposed amount: \$0, Total: \$93,888.
- Provide salary support for TBD/Graduate Student (Summer) position. Phase 1 Proposed Amount: \$12,000, Phase 2 proposed amount: \$0, Total: \$93,888.
- Provide salary support for TBD/Workshop Support position. Phase 1 Proposed Amount: \$0, Phase 2 proposed amount: \$5,370, Total: \$5,370.
- Provide salary support for TBD/Workshop Support position. Phase 1 Proposed Amount: \$0, Phase 2 proposed amount: \$7,440, Total: \$7,440.
- 2) Explain the proposed Fringe Benefit rate of 33%. DHHS Agreement dated 01/24/17 has Fringe Benefits 07/01/17 - 06/30/18 .90%; 07/01/18 - 06/30/20 .90%.
 - 3) Provide the basis of estimate for the Publication Costs \$2,000 under Travel and Program/Admin Costs (ODCs) for Phase 2.
 - 4) Provide the breakdown of the separate amount proposed for Travel - Travel/lodging/per diem), \$14,040 on the NCSU (Phase I) sheet and explain the reason for separating the amount from the other Travel expenses.
 - 5) Provide basis of estimate/calculation for Participant Support expenses Workshop - Workshop food for two days \$3,000.
 - 6) Provide basis of estimate/calculation for NCSU (Phase II) Participant Support/Assorted expenses, Community Participant Stipends \$15,000, Local Partner Staff Support \$12,000, and Facilitator and Notetaker Stipends \$1,800, Total \$28,800.

Texas A&M University

- 1) Provide quotes and breakdown for Animal Engineering \$15,000: DNA construct synthesis \$2,500, gRNA production and testing \$400, Pronuclear injection \$3,200, Breeding and testing of founder mice \$2,500 (breeding, PCR) and Animal Per Diem \$11,300.
- 2) Provide NCSU's technical analysis/cost analysis-Fair and Reasonable Price Determination of the proposal.

Arizona State University

- 1) Provide the latest edition of the draft ASU consulting agreement reflecting the proposed \$125/hour rate for Farooque.
- 2) Resend the screen shot of the ASU hourly rate in the HR Docs for ASU folder in a different edition of WinZip. We do not have Winzip Pro capability.
- 3) Provide NCSU's technical analysis/cost analysis-Fair and Reasonable Price Determination of ASU's proposed hourly rate.

Keystone Policy Center

- 1) Provide the stage NCSU is in with finalizing the KPC labor hour rates/Consulting Agreement.

Island Conservation

- 1) Provide documentation of Government review/approval of cost accounting

system.

CSIRO Australian Animal Health Laboratory

1) Provide explanation/details of External Expert Stipends \$1,000 per workshop (3 days each) \$6,000 for Phase 1 and \$9,000 for Phase 2 Total: \$15,000.

2) Provide explanation/details of External Expert Travel \$942 per participant Total \$6,000 for Phase 1 and \$942 per participant Total \$8,478 for Phase 2.

3) Provide NCSU's technical analysis/cost analysis-Fair and Reasonable Price Determination of the proposal.

FYI. On 04/03/17, an email was sent to CSIRO requesting company HR salary records for the proposed personnel.

Thank you.

Greg

Gregory G. Davidowich

Strategic Analysis, Inc.

Support Contractor for DARPA CMO

Phone: (571) 218-4587

Email: gregory.davidowich.ctr@darpa.mil