



PRIMATE RESEARCH CENTER GRANT
Department of Health and Human Services
National Institutes of Health
OFFICE OF THE DIRECTOR, NATIONAL INSTITUTES OF HEALTH

Notice of Award

Issue Date: 07/26/2014



Grant Number: 3P51OD011133-16S1
FAIN: P51OD011133

Principal Investigator(s):
Kenneth Parkhurst Trevett

Project Title: The Southwest National Primate Research Center

WILLIAM H CASKEY
DIRECTOR, OFC. OF SPONSORED PROGRAMS
TEXAS BIOMEDICAL RESEARCH INSTITUTE
7620 NW LOOP, 410
SAN ANTONIO, TX 782275301

Award e-mailed to: NIH-NGA@TXBIOMED.ORG

Budget Period: 08/01/2014 – 04/30/2015
Project Period: 06/06/1999 – 04/30/2016

Dear Business Official:

The National Institutes of Health hereby awards a grant in the amount of \$694,579 (see "Award Calculation" in Section I and "Terms and Conditions" in Section III) to TEXAS BIOMEDICAL RESEARCH INSTITUTE in support of the above referenced project. This award is pursuant to the authority of 42 USC 241, 42 CFR 52 and is subject to the requirements of this statute and regulation and of other referenced, incorporated or attached terms and conditions.

Acceptance of this award including the "Terms and Conditions" is acknowledged by the grantee when funds are drawn down or otherwise obtained from the grant payment system.

Each publication, press release, or other document about research supported by an NIH award must include an acknowledgment of NIH award support and a disclaimer such as "Research reported in this publication was supported by the Office Of The Director, National Institutes Of Health of the National Institutes of Health under Award Number P51OD011133. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health." Prior to issuing a press release concerning the outcome of this research, please notify the NIH awarding IC in advance to allow for coordination.

Award recipients must promote objectivity in research by establishing standards that provide a reasonable expectation that the design, conduct and reporting of research funded under NIH awards will be free from bias resulting from an Investigator's Financial Conflict of Interest (FCOI), in accordance with the 2011 revised regulation at 42 CFR Part 50 Subpart F. The Institution shall submit all FCOI reports to the NIH through the eRA Commons FCOI Module. The regulation does not apply to Phase I Small Business Innovative Research (SBIR) and Small Business Technology Transfer (STTR) awards. Consult the NIH website <http://grants.nih.gov/grants/policy/coi/> for a link to the regulation and additional important information.

If you have any questions about this award, please contact the individual(s) referenced in Section IV.

Sincerely yours,

Gavin Wilkom
Grants Management Officer
OFFICE OF THE DIRECTOR, NATIONAL INSTITUTES OF HEALTH

Additional information follows

SECTION I – AWARD DATA – 3P51OD011133-16S1**Award Calculation (U.S. Dollars)**

Federal Direct Costs	\$429,867
Federal F&A Costs	\$264,712
Approved Budget	\$694,579
Federal Share	\$694,579
TOTAL FEDERAL AWARD AMOUNT	\$694,579

AMOUNT OF THIS ACTION (FEDERAL SHARE)	\$694,579
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SUMMARY TOTAL FEDERAL AWARD AMOUNT YEAR (16)	
GRANT NUMBER	TOTAL FEDERAL AWARD AMOUNT
3P51OD011133-16S1	\$694,579
2P51OD011133-16	\$7,441,831
TOTAL	\$8,136,410

SUMMARY TOTALS FOR ALL YEARS		
YR	THIS AWARD	CUMULATIVE TOTALS
16	\$694,579	\$8,136,410
17	\$0	\$8,795,352

Recommended future year total cost support, subject to the availability of funds and satisfactory progress of the project

Fiscal Information:

CFDA Number: 93.351
EIN: 1741109630A1
Document Number: POD011133D

PMS Account Type: P (Subaccount)
Fiscal Year: 2014

IC	CAN	2014
OD	8014499	\$694,579

Recommended future year total cost support, subject to the availability of funds and satisfactory progress of the project

NIH Administrative Data:

PCC: CMP01 / OC: 414C / Released: eRA Commons User Name 07/25/2014
Award Processed: 05/08/2014 01:52:21 PM

SECTION II – PAYMENT/HOTLINE INFORMATION – 3P51OD011133-16S1

For payment and HHS Office of Inspector General Hotline information, see the NIH Home Page at <http://grants.nih.gov/grants/policy/awardconditions.htm>

SECTION III – TERMS AND CONDITIONS – 3P51OD011133-16S1

This award is based on the application submitted to, and as approved by, NIH on the above-titled project and is subject to the terms and conditions incorporated either directly or by reference in the following:

- The grant program legislation and program regulation cited in this Notice of Award.
- Conditions on activities and expenditure of funds in other statutory requirements, such as those included in appropriations acts.
- 45 CFR Part 74 or 45 CFR Part 92 as applicable.

- d. The NIH Grants Policy Statement, including addenda in effect as of the beginning date of the budget period.
- e. This award notice, INCLUDING THE TERMS AND CONDITIONS CITED BELOW.

(See NIH Home Page at <http://grants.nih.gov/grants/policy/awardconditions.htm> for certain references cited above.)

Carry over of an unobligated balance into the next budget period requires Grants Management Officer prior approval.

This award is subject to the requirements of 2 CFR Part 25 for institutions to receive a Dun & Bradstreet Universal Numbering System (DUNS) number and maintain an active registration in the Central Contractor Registration. Should a consortium/subaward be issued under this award, a DUNS requirement must be included. See <http://grants.nih.gov/grants/policy/awardconditions.htm> for the full NIH award term implementing this requirement and other additional information.

This award has been assigned the Federal Award Identification Number (FAIN) P51OD011133. Recipients must document the assigned FAIN on each consortium/subaward issued under this award.

This award is not subject to the Transparency Act subaward and executive compensation reporting requirement of 2 CFR Part 170.

In accordance with P.L. 110-161, compliance with the NIH Public Access Policy is now mandatory. For more information, see NOT-OD-08-033 and the Public Access website: <http://publicaccess.nih.gov/>.

Treatment of Program Income: Additional Costs

SECTION IV – OD Special Terms and Conditions – 3P51OD011133-16S1

SUBJECT FOA

This award is subject to the conditions set forth in PA-14-077, "Administrative Supplements to Existing NIH Grants and Cooperative Agreements," which are hereby incorporated by reference as special terms and conditions of this award. Copies of this Funding Opportunity Announcement can be found at the following link: <http://grants.nih.gov/grants/guide/pa-files/PA-14-077.html>

SUPPLEMENT

This supplemental award provides \$694,579. (\$429,867 direct costs and \$264,712 associated facilities and administrative costs) to support animals transferred from the New England National Primate Research Center, in accordance with the grantee's request dated 06/11/2014). These funds may not be expended for any other purpose without the written prior approval of the ORIP.

ORIP FUNDING PLAN FOR FY2014

This competing award reflects the NIH Fiscal Policy for Grant Awards for FY2014 (see NIH Guide Notice NOT-OD-14-055) and the implementation of the ORIP FY2014 grants funding policy: <http://dpcps.nih.gov/orip/rf/fy2014.aspx>

PRIOR APPROVAL REQUEST

Any prior approval request (e.g., changes to key personnel as noted on the award, changes in human and animal subjects requiring prior approval, carryover requests) must be submitted to the assigned Grants Management Specialist and Programmatic Official. Please refer to the NIH Grants Policy Statement for the activities and/or expenditures that require NIH approval at http://grants.nih.gov/grants/policy/nihgps_2013/nihgps_ch8.htm#prior_approval_requirements.

COMMUNICATIONS/PRESS RELEASE

If the grantee plans to issue a press release concerning the outcome of ORIP grant-supported research, it should notify Ms. Patricia Newman, ORIP Communications, at 301-435-0744, in advance to allow for coordination.

The ORIP WWW home page is at <http://dpcpsi.nih.gov/orip/>

STAFF CONTACTS

The Grants Management Specialist is responsible for the negotiation, award and administration of this project and for interpretation of Grants Administration policies and provisions. The Program Official is responsible for the scientific, programmatic and technical aspects of this project. These individuals work together in overall project administration. Prior approval requests (signed by an Authorized Organizational Representative) should be submitted in writing to the Grants Management Specialist. Requests may be made via e-mail.

Grants Management Specialist: Jean Richelsen
Email: richelsj@mail.nih.gov **Phone:** 301-594-9446 **Fax:** 301-480-3777

Program Official: John D. Harding
Email: hardingj@mail.nih.gov **Phone:** 301-435-0776 **Fax:** 301-480-3819

SPREADSHEET SUMMARY

GRANT NUMBER: 3P51OD011133-16S1

INSTITUTION: TEXAS BIOMEDICAL RESEARCH INSTITUTE

Facilities and Administrative Costs	Year 16	Year 17
F&A Cost Rate 1	78.6%	
F&A Cost Base 1	\$336,784	
F&A Costs 1	\$264,712	



PRIMATE RESEARCH CENTER GRANT
Department of Health and Human Services
National Institutes of Health
OFFICE OF THE DIRECTOR, NATIONAL INSTITUTES OF HEALTH

Notice of Award

Issue Date: 08/23/2014



Grant Number: 3P51OD011133-16S1 REVISED
FAIN: P51OD011133

Principal Investigator(s):
ROBERT W. GRACY, PHD

Project Title: The Southwest National Primate Research Center

WILLIAM H CASKEY
DIRECTOR, OFC OF SPONSORED PROGRAMS
TEXAS BIOMEDICAL RESEARCH INSTITUTE
7620 NW LOOP 410
SAN ANTONIO, TX 782275301

Award e-mailed to: NIH-NGA@TXBIOMED.ORG

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Salaries and Wages	\$18,831
Fringe Benefits	\$5,328
Personnel Costs (Subtotal)	\$24,159
Equipment	\$27,500
Supplies	\$71,895
Alterations and Renovations	\$62,800
Other Costs	\$215,730
Consortium/Contractual Cost	\$27,783

Federal Direct Costs	\$429,867
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Approved Budget	\$694,579
Federal Share	\$694,579
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Additional Costs

SECTION IV – OD Special Terms and Conditions – 3P51OD011133-16S1. REVISED

REVISION #1: This award is revised to address the following issue:

CHANGE IN PI

This revision reflects ORIP approval of the change of principal investigator from Kenneth Parkhurst Travett to Robert W. Gracy, in accordance with the grantee's request dated August 20, 2014.

All previous Terms and Conditions Remain In Effect

SUBJECT FOA

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Grants Management Specialist: Jean Richelsen

Email: richelsj@mail.nih.gov **Phone:** 301-594-9446 **Fax:** 301-480-3777

Program Official: John D. Harding

Email: hardingj@mail.nih.gov **Phone:** 301-435-0776 **Fax:** 301-480-3819

SPREADSHEET SUMMARY

GRANT NUMBER: 3P51OD011133-16S1 REVISED

INSTITUTION: TEXAS BIOMEDICAL RESEARCH INSTITUTE

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Supplies	\$71,895	
Alterations and Renovations	\$62,800	
Other Costs	\$215,730	
Consortium/Contractual Cost	\$27,783	
TOTAL FEDERAL DC	\$429,867	
TOTAL FEDERAL F&A	\$264,712	
TOTAL COST	\$694,579	\$0

Facilities and Administrative Costs	Year 16	Year 17
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F&A Cost Rate 1	78.6%	
F&A Cost Base 1	\$336,784	
F&A Costs 1	\$264,712	

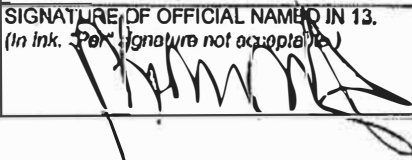
Department of Health and Human Services Public Health Services Grant Application <i>Do not exceed character length restrictions indicated.</i>		LEAVE BLANK—FOR PHS USE ONLY. Type Activity Number Review Group Formerly Council/Board (Month, Year) Date Received	
1. TITLE OF PROJECT (Do not exceed 81 characters, including spaces and punctuation.) The Southwest National Primate Research Center - Supplement			
2. RESPONSE TO SPECIFIC REQUEST FOR APPLICATIONS OR PROGRAM ANNOUNCEMENT OR SOLICITATION <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES (If "Yes," state number and title) Number: PA-14-077 Title: Administrative Supplements to Existing NIH Grants and Cooperative Agreements			
3. PROGRAM DIRECTOR/PRINCIPAL INVESTIGATOR			
3a. NAME (Last, first, middle) Trevett, Kenneth		3b. DEGREE(S) J.D.	
3c. POSITION TITLE President and CEO		3h. eRA Commons User Name eRA Commons User Name	
3e. DEPARTMENT, SERVICE, LABORATORY, OR EQUIVALENT Administration		3d. MAILING ADDRESS (Street, city, state, zip code) 7620 NW Loop 410 San Antonio, TX 78227-5301	
3f. MAJOR SUBDIVISION			
3g. TELEPHONE AND FAX (Area code, number and extension) TEL: 210-258-9544 FAX: 210-670-3335		E-MAIL ADDRESS: ktrevett@txbiomed.org	
4. HUMAN SUBJECTS RESEARCH <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		4a. Research Exempt <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
4b. Federal-Wide Assurance No.		4c. Clinical Trial <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
		4d. NIH-defined Phase III Clinical Trial <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
5. VERTEBRATE ANIMALS <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		5a. Animal Welfare Assurance No. A3082	
6. DATES OF PROPOSED PERIOD OF SUPPORT (month, day, year—MM/DD/YY) From 07/01/2014 Through 04/30/2016		7. COSTS REQUESTED FOR INITIAL BUDGET PERIOD 7a. Direct Costs (\$) \$447,195	
		7b. Total Costs (\$) \$725,470	
		8. COSTS REQUESTED FOR PROPOSED PERIOD OF SUPPORT 8a. Direct Costs (\$) \$723,855	
		8b. Total Costs (\$) \$1,205,388	
9. APPLICANT ORGANIZATION Name Texas Biomedical Research Institute Address 7620 NW Loop 410 San Antonio, TX 78227-5301		10. TYPE OF ORGANIZATION Public: → <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Local Private: → <input checked="" type="checkbox"/> Private Nonprofit For-profit: → <input type="checkbox"/> General <input type="checkbox"/> Small Business <input type="checkbox"/> Woman-owned <input type="checkbox"/> Socially and Economically Disadvantaged	
		11. ENTITY IDENTIFICATION NUMBER 741109630 DUNS NO. 007936834 Cong. District TX-020	
12. ADMINISTRATIVE OFFICIAL TO BE NOTIFIED IF AWARD IS MADE Name Dr. William H. Caskey Title Director, Office of Sponsored Programs Address 7620 NW Loop 410 San Antonio, TX 78227-5301 Tel: 210-258-9544 FAX: 210-673-3335 E-Mail: whcaskey@txbiomed.org		13. OFFICIAL SIGNING FOR APPLICANT ORGANIZATION Name Mr. Keith A. Davis Title VP for Finance & Administration, CFO Address 7620 NW Loop 410 San Antonio, TX 78227-5301 Tel: 210-258-9420 FAX: 210-670-3338 E-Mail: kdavis@txbiomed.org	
14. APPLICANT ORGANIZATION CERTIFICATION AND ACCEPTANCE: I certify that the statements herein are true, complete and accurate to the best of my knowledge, and accept the obligation to comply with Public Health Services terms and conditions if a grant is awarded as a result of this application. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties.		SIGNATURE OF OFFICIAL NAMED IN 13. (In Ink. For signature not acceptable) 	
		DATE 4/1/14	

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RESEARCH STRATEGY

The broad objectives of the Establishment of a New England National Primate Research Center-origin Marmoset Colony are to contribute to the nation's capacity to produce marmosets to meet the growing need for this species in the study of infectious disease, neuroscience, obesity, and aging, and to ensure adequate animal resources for the development of transgenic marmosets. The specific aims of this project are the following: (1) to transfer a portion of the New England Primate Research Center (NEPRC) marmoset colony to the Southwest National Primate Research Center (SNPRC); (2) to maintain the SNPRC and NEPRC populations as separate entities, and to design and implement plans to define the genetic diversity in the two populations, and based upon these findings, to structure a long-term management plan to most effectively maintain the diversity present in the populations; (3) to design and implement plans to determine the effects of dietary change upon health in these two marmoset populations, ultimately defining the best diet for continued use; and (4) to specifically manage the population to best characterize and ensure the availability of select phenotypes of value for study – most notably obese and geriatric marmosets. Approximately 160 marmosets will be transferred from NEPRC to SNPRC. The NEPRC-origin marmosets will be maintained as a separate population, in a building previously used for marmoset housing, with renovations to make the space appropriate for the types of caging to be used. Fulfillment of the aims of this project will contribute to ensuring that the nation's supply of marmosets is sufficient to meet the growing needs of NIH-supported investigators.

The purpose of this supplement is to provide housing, husbandry, and characterization of marmosets that will be transferred from the NEPRC to the SNPRC.

**DETAILED BUDGET FOR INITIAL BUDGET PERIOD
DIRECT COSTS ONLY.**FROM
07/01/14THROUGH
04/30/15

List PERSONNEL (Applicant organization only)

Use Cal, Acad, or Summer to Enter Months Devoted to Project

Enter Dollar Amounts Requested (omit cents) for Salary Requested and Fringe Benefits.

NAME	ROLE ON PROJECT	Cal. Mnths	Acad. Mnths	Summer. Mnths	INST.BASE SALARY	SALARY REQUESTED	FRINGE BENEFITS	TOTAL
Trevett, Kenneth	PD/PI							
Lanford, Robert E.	Co-Inv.	% Effort			Institutional Base Salary	7,563	2,140	9,703
Excluded by Requester	Veterinarian					3,676	1,040	4,716
To Be Named	Animal Caretaker III	2.00				5,181	1,466	6,647
To Be Named	Animal Caretaker III	2.00				5,181	1,466	6,647
To Be Named	Animal Caretaker II	2.00				4,793	1,356	6,149
SUBTOTALS						26,394	7,468	33,862

CONSULTANT COSTS

EQUIPMENT: (Itemize)

Dishwasher (12,500); Storage unit (15,000); Mule with trailer (13,100)

40,600

SUPPLIES: (Itemize by category)

Supplies 72,153

72,153

TRAVEL

INPATIENT CARE COSTS

OUTPATIENT CARE COSTS

ALTERATIONS AND RENOVATIONS: (Itemize by category)

Specific Animal Location renovations

62,800

OTHER EXPENSES: (Itemize by category)

Per diem 124,829 Viral Testing 23,484

Procedures 41,009

Pathology 26,408

215,730

CONSORTIUM/CONTRACTUAL COSTS

DIRECT COSTS

22,050

SUBTOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD (Item 7a, Face Page)

\$ 447,195

CONSORTIUM/CONTRACTUAL COSTS

FACILITIES AND ADMINISTRATIVE COSTS

5,733

TOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD

\$ 452,928

**BUDGET FOR ENTIRE PROPOSED PROJECT PERIOD
DIRECT COSTS ONLY**

BUDGET CATEGORY TOTALS	INITIAL BUDGET PERIOD (from Form Page 4)	2nd. ADDITIONAL YEAR OF SUPPORT REQUESTED	3rd. ADDITIONAL YEAR OF SUPPORT REQUESTED	4th. ADDITIONAL YEAR OF SUPPORT REQUESTED	5th. ADDITIONAL YEAR OF SUPPORT REQUESTED
PERSONNEL: <i>Salary and fringe benefits. Applicant organization only.</i>	33,862	11,992			
CONSULTANT COSTS					
EQUIPMENT	40,600				
SUPPLIES	72,153				
TRAVEL					
INPATIENT CARE COSTS					
OUTPATIENT CARE COSTS					
ALTERATIONS AND RENOVATIONS	62,800				
OTHER EXPENSES	215,730	237,679			
DIRECT CONSORTIUM/ CONTRACTUAL COSTS	22,050	26,989			
SUBTOTAL DIRECT COSTS (Sum = Item 8a, Face Page)	447,195	276,660			
F&A CONSORTIUM/ CONTRACTUAL COSTS	5,733	7,017			
TOTAL DIRECT COSTS	452,928	283,677			
TOTAL DIRECT COSTS FOR ENTIRE PROPOSED PROJECT PERIOD					\$ 736,605

JUSTIFICATION. Follow the budget justification instructions exactly. Use continuation pages as needed.

See Following Pages.

BUDGET JUSTIFICATION

The marmosets for which support is budgeted in this application are 160 animals that will be transferred from the New England Primate Research Center (NEPRC) to the Southwest National Primate Research Center (SNPRC), with work beginning in the summer of 2014. The proposed budget periods of the additional funding to the grant, P51 OD011133-16, are July 1, 2014 through April 30, 2015 (10 months, during Year 16), and May 1, 2015 through April 30, 2016 (12 months, Year 17).

Personnel

Excluded by Requester Leader of the Marmoset Colony component of the P51 grant, will serve as the Leader of this supplement % Effort: Excluded by Requester. She will direct all aspects of the project, including transfer of the marmosets, oversight of the scientific aspects of the project (e.g., developing plans for further genetic characterization, planning and implementing diet studies) and resource management aspects (e.g., assessing demographic structure relative to resource needs and developing techniques and procedures for use in new models). She will be responsible for assembling and analyzing data, integrating NEPRC data into the SNPRC data base, and preparing reports for ORIP staff. Excluded by Requester also will provide leadership for the project through her role as Chair of the SNPRC Marmoset Advisory Committee and her continued participation in the NEPRC/NIH marmoset management consortium that she established. Excluded by Requester Dr. Lanford Excluded by Requester and Excluded by Requester SNPRC marmoset colony manager) form the SNPRC marmoset colony management team. They consult with each other regularly on the daily management, breeding, health issues, and resource development of this colony. Excluded by Requester salary support is budgeted at % Effort months) for Year 17. Excluded by Requester is an employee of the University of Texas Health Science Center at San Antonio (UTHSCSA) and is budgeted under consortium/contractual costs through a subcontract to that institution.

Dr. Robert Lanford, Interim Director of the SNPRC, will serve as the Co-Investigator % Effort. % Effort Dr. Lanford will work directly with Excluded by Requester on the move of the NEPRC animals to the SNPRC and on the management of the new colony. Using PCR-based assays, his laboratory will perform the screening of the NEPRC animals for infection with GBV-A and LCV known to be present in both the SNPRC and NEPRC colonies. Dr. Lanford is a Co-Investigator on the Marmoset Colony component of the P51 grant and serves on the Marmoset Advisory Committee, the Research Advisory Committee, and Senior Management Team, providing the link between these committees regarding matters relevant to the marmoset colony. He will provide oversight from the SNPRC Director's Office on the use and development of the colony, and he will work directly with NIH with regard to meeting the national needs for marmosets in biomedical research. Dr. Lanford's salary support is budgeted at % Effort for Year 17.

Excluded by Requester is the veterinarian who has direct oversight responsibility for the marmoset colony. Starting August 18, 2014, she will work with Excluded by Requester and Excluded by Requester to finalize the preparations for in-processing of the NEPRC animals upon arrival on September 1, 2014. She will be responsible for overseeing the arrival of the marmosets and the logistics of settling them into their new environment. She will work with the technicians and caretakers to perform health checks and TB tests, and will work with the clinical veterinarians, colony manager, and environmental enrichment staff to establish animal housing configurations, and conduct frequent animal observations. She will provide the oversight necessary for the effective management of the arrival of the large new colony of animals. She also will continue to serve as a member of the SNPRC Marmoset Advisory Committee. Excluded by Requester will commit % Effort of her effort, starting August 18, 2014, to these activities. She is only budgeted at % Effort because her effort will be covered by per diem when the marmosets arrive September 1.

Three animal caretakers are required to oversee the daily care of the 160 incoming marmosets and increasing colony during Year 16 and 17. They are budgeted to begin July 1, 2014, in order to fully train prior to the arrival of the animals. Training will be conducted by training coordination staff and veterinary technical/caretaker supervisors paid for by the SNPRC. Two months of training is standard practice for animal

caretakers at the SNPRC, and allows staff to become familiar with practices of the primate center, receive required training and health screenings, and learn to perform duties independently. They will commit all of their effort to these activities. The caretakers are only budgeted at 2.0 calendar months because their effort will be covered by per diem when the marmosets arrive September 1..

Personnel costs are not budgeted for Excluded by
Requester or the animal caretakers in Year 17 because their effort will be paid by per diem.

Equipment

The NEPRC animals will be housed separately and distinctly from the SNPRC marmoset colony. Maintaining the colonies in geographically distant locations is necessary to protect against the risk of disease or of a catastrophic event that could decimate one colony or the other. It is particularly important that we maintain separate SNPRC and NEPRC-origin colony equipment and supplies when they could potentially represent a source of cross-contamination between the colonies. We already have demonstrated, for example, that there are significant differences in the gut microbiome of these two colonies and plan to examine the effects of dietary changes on this difference. It is extremely important that we minimize any chances of cross-contamination between the colonies.

The Texas Biomed map (Figure 1) shows the relative distance from the proposed NEPRC marmoset housing area to the SNPRC marmoset housing area and the other animal clinics and facilities.

Specific Animal Location

Several equipment items are required to facilitate the care and management of the new animals. The equipment category, as defined at Texas Biomed, includes all durable items with an acquisition cost of \$5,000 or more that have a useful life of at least one year.

One soft-water Hobart dishwasher is required for the building in which the NEPRC marmosets will be housed. This item will be used for cleaning food dishes, nest boxes, and miscellaneous small equipment. The purchase and installation of this item is budgeted at \$12,500.

One pre-fabricated, outside storage unit is required to store clean caging between cage washing rotations. After caging is transported to the central cagewash, cleaned, and transported back to the marmoset housing, the caging needs to be kept clean and sheltered from outside elements, including bird feces. This enclosed storage will help keep the cages clean, and prevent risk of contact with pathogens to which the NEPRC marmosets never have been exposed. This storage unit is budgeted at \$15,000.

One Kawasaki mule and trailer with a hydrolic lift gate are required to move cages between the central cagewash and the building in which the animals are housed. These items are budgeted at \$13,100.

Equipment is budgeted in Year 16 only.

Supplies

Supplies are required to prepare the marmoset housing and clinical care areas for the arrival of 160 NEPRC animals. The NEPRC marmosets are going to be maintained in a building that is separate from the other marmoset buildings and we request routine equipment (e.g. tattoo units, scales, etc.) that can be kept at the NEPRC building. To protect against the risk of biological contamination between animal areas, and because the NEPRC housing is physically distant from other animal areas, these items cannot be shared with other animal facilities. Procedures conducted with items such as a tattoo gun involve blood and tissue, and thus should not be shared with other colonies to prevent the possibility of cross contamination.

Budgeted supplies include: a stainless steel exam table (\$1,500); a portable scale (\$500); an exam area lamp lighting stand (\$200); an ultrasonic cleaner for small equipment (\$400); PPE and PPE storage (\$3,400); four pairs of leather catch gloves (\$84); nets (\$350); hair dye and dye set for the marmoset hair (\$120); rubber stoppers for bottles (\$300); dishwasher detergent (\$312); a tattoo gun and needles for animal identification (\$1,025); one surgical instrument set (\$4,500); thermometers, laryngoscopes, and an otoscope (\$1,530); two stethoscopes and a pulse oximeter (\$820); a countertop fluid warmer to heat IV fluids and formula (\$1,000); an incubator (\$1,500); two heating blankets (\$4,200); two Bair Hugger heaters (\$1,600); blood tubes, syringes, and needles (\$640); culture swabs (\$150); and two surgical clippers and eight blades (\$500). Antibiotics, analgesics, Lactated Ringer's solution with dextrose, anesthesia drugs, tuberculin, parasitic, and antihistamine drugs are budgeted (\$2,260).

Enrichment supplies are budgeted at \$670 and include dowels and cable ties for structural enrichment.

Animal feed and a can opener are budgeted at \$1,200. The NEPRC marmosets and SNPRC marmosets are fed different diets, and thus food for the incoming animals is not at the facility.

Replacements of these supplies as they wear out and expend will be funded from per diem revenue.

We require 24 group/breeding cages in addition to those we already have on hand at SNPRC in order to meet our need to expand the breeding population. Twelve marmoset cages are expected to be moved from NEPRC to the SNPRC. The costs of transportation of the cages will be paid for by NEPRC. We will obtain 12 aviary-style group cages from NEPRC around the time of the transfer of the marmosets, with the remainder of

their aviary-style cages being required at the NEPRC for duration of NEPRC's down-sizing and eventual closure of both the marmoset and tamarin colonies at NEPRC.

An additional twelve paired housing units are required for Specific in which the NEPRC animals will be housed. These cage types were designed by Excluded by Requester and Excluded by Renmaster and have been successfully used for housing breeding groups for the past 20 years...

The additional cages are required to ensure that the animals are always properly housed, and the cages can be rotated through washing. The cages are aluminum with black coated mesh, with the end panels and middle divider made of solid aluminum. The middle divider has a built-in shift door. Each unit includes two nest boxes. These cages are budgeted at \$43,392 [(\$3,476 x 12 units) + \$1,680 freight]...

Supplies are budgeted in Year 16 only.

Alterations and Renovations

Specific Animal Location SNPRC campus, and was built in 1961. It is an aluminum framed building, and all of the support frame work is inside the building.

Specific Animal Location building with Specific Animal Location of animal housing space, along with a procedure area and an office/break area. The support rooms are Specific Animal Location. Specific Animal Location The ceiling has sky-lights and the exterior walls to the animal rooms have windows that have been painted over. Access to the animal rooms is from one of the support rooms.

Specific Animal Location was originally designed specifically to accommodate hanging cages. It has a structure of internal frames to support these hanging cages and a set of troughs on the floor below where the hanging cages were located. These structures severely limit the number of floor-rack cages that can be used in each animal room and constrains the arrangement of those racks. The removal of the existing hanging-cage support frames is necessary in order to be able to efficiently use this space for marmoset breeding cages.

The three support rooms are used for entry/office space, food preparation and utensil cleaning, and a PPE change-cage exit room. A covered, protected clean storage area is near the cage PPE change/cage exit room. This area is a concrete slab with chain-link fabric and a metal roof. It is not attached to the original structure.

The floors of Specific Animal Location are sealed concrete refinished with epoxy. All walls are aluminum and glass (60%). The doors in the building are painted metal.

A DX system provides cooling and heating is supplied by forced-draft heaters. Temperature control is provided by local thermostat. There are no differential pressures used in this building. Supply is 100% outside air make-up. Local high/low temperature alarms are installed.

HVAC and lighting loads are covered by this equipment. Interior lighting with animal rooms is provided by waterproof, fluorescent fixtures that provide the required luminosity. Fixtures are on timers set to coincide with the specific photoperiod required. Timers can be manually overridden.

The required renovations will not modify the interior footprint of the building. The renovations for the building include upgrading the electrical and mechanical areas, repairing a skylight, removing of hanging-cage support frames, providing and installing floor gratings for trench drains, and renovating the concrete area outside the building for vehicle access and cage staging...

Specific Animal Location

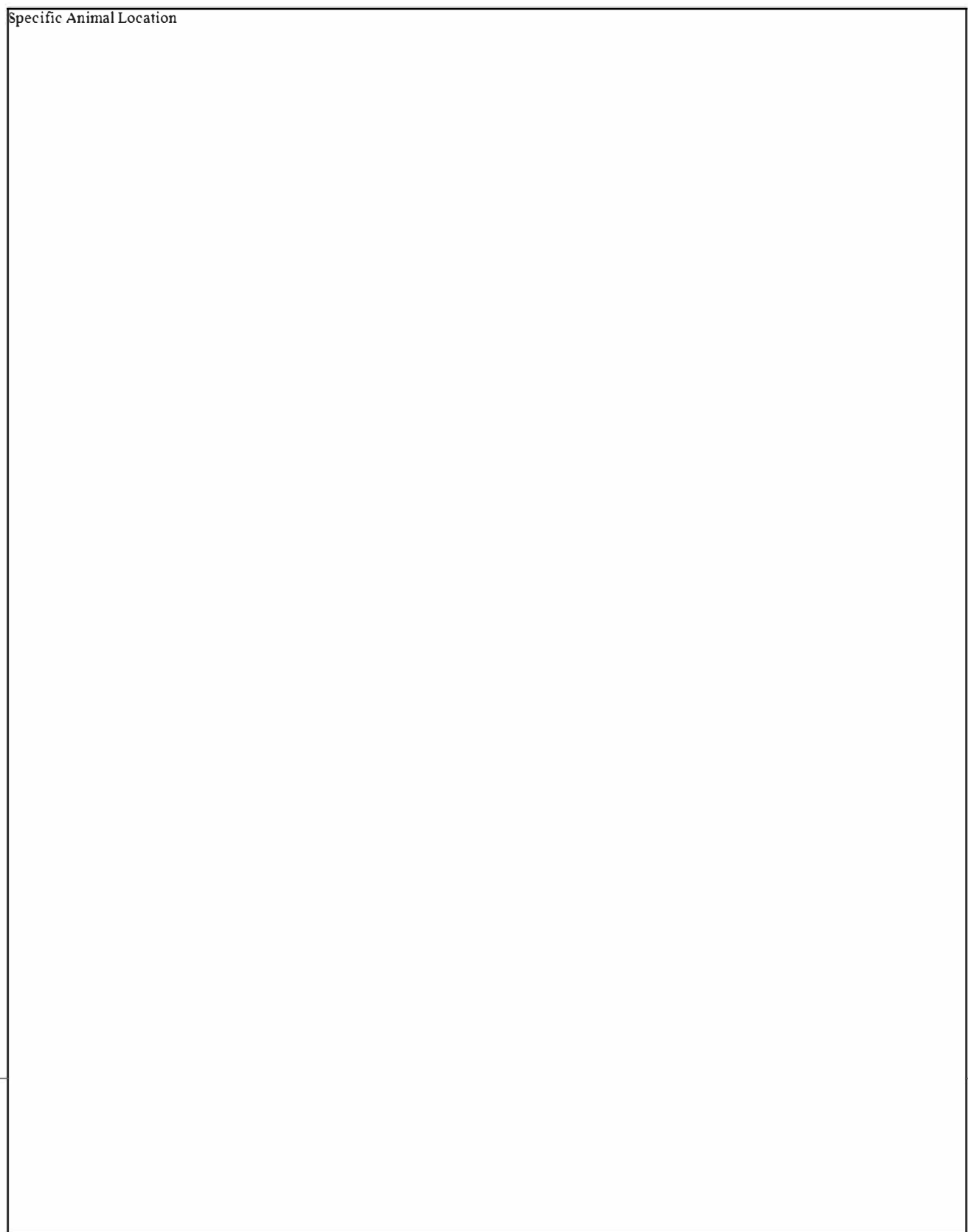


Figure 2. Floor Plan of Building 28.

Alterations and renovations for Specific Animal
cations are budgeted at \$62,800. Details of the costs are provided below.

Description	Total Cost
Sitework (vehicle access).	\$ 5,800.
Floor gratings for trench drains	14,400.
Interior demolition	2,900.
Cage staging area -- outside concrete work	14,400.
Skylight repair (leak proofing).	9,800.
Interior refinishing	4,000.
Electrical repairs/upgrades	6,300.
Mechanical repairs/upgrades.	5,200.
Total Estimated Cost	\$62,800.

Alterations and renovations are budgeted in Year 16 only.

Other Expenses

The NEPRC-origin population will be maintained at 200 animals. In the past year, the SNPRC has received requests in excess of 50 animals per year and has been unable to meet all those requests. The marmoset breeding population will be increased to approximately 20 breeding pairs – slightly more than double the number that will be in place when the NEPRC animals arrive. The need to increase the breeding population means that animal sales and research income will be low during the first two years, as 22 animals are moved into breeding. The 11 new breeding pairs, along with the 9 breeding pairs already established, will increase the NEPRC colony to 20 NEPRC-origin breeding pairs.

Once all breeding pairs have become habituated and selection to replace poorly performing pairs (if necessary) is completed, approximately 54 young per year will be produced for sale or project assignment (20 breeders x 2.7 young weaned per year). However, during the first two years, the production per pair will be, on average, somewhat lower. During the first two years, there will be approximately 2 weaned young per pair per year. Assuming a weaning age of 3 months, the NEPRC-origin breeding colony of 20 pairs is expected to produce approximately 30 young weaned in Year 16 (September 2014 – April 2015; 20 pairs x 2.0 weaned young per pair per year x 0.75 year) and 40 young weaned in Year 17 (May 2015 – April 2016).

Per diem.--Per diem costs during the first year of the supplement are estimated to be \$155,381. However, \$124,829 is indicated on the budget page because the remainder of the per diem will be covered by program income. This figure is based on the estimated arrival times of the 160 marmosets, and an additional 30 animals weaned during Year 16. Moreover, we anticipate selling eight marmosets at the end of the first year. ~~The marmosets will be transported in one shipment at the first of September. At arrival, animals will be for~~ quarantined for 45 days. Quarantine housing per diem does not include costs of initial health checks, TB tests, feces collection and stool cultures, or pathology tests.

Revenue from regular housing per diem pays the salaries of caretakers, supervisors, clinical veterinarians and veterinary technicians who conduct clinical procedures. It also covers routine health checks, non-research-related pathology services, medicines and drugs, special care required for sick or injured animals, and complete necropsies of marmosets that die or are euthanized for health reasons. It also covers routine

environmental enrichment activities. Per diem charges begin at 3 months of age. Transportation of the marmosets will be paid for by NEPRC.

Per diem costs during Year 17 are budgeted at \$278,761. However, \$210,019 is indicated on the budget page because the remainder will be covered by program income. During Year 17, the marmoset colony will continue to grow, with an additional 40 animals weaned, in order to meet the demands of investigators.

Procedures.--One health check will be conducted shortly after arrival of the marmosets and annually thereafter (160 animals x \$133.47 = \$21,355). Serum taken at the initial health check will be banked for viral screening to be performed in Dr. Lanford's laboratory during Year 16. In addition to the initial health check fee, fees are budgeted for TB testing (\$35.43 x 160 animals x 3 tests = \$17,006) and feces collection (160 animals x \$14.55 = \$2,328). These initial exams performed upon the animals' arrival are not included in the quarantine per diem costs, and therefore are budgeted separately. These costs are budgeted in Year 16 only.

For the viral testing, during Year 16, blood serum will be taken at the initial health check of the 160 incoming animals for the viral testing. To collect serum for the viral testing in newborns (30 animals in Year 16), an opportunistic blood collection will be performed and is budgeted at \$320 (\$10.67 x 30 collections). During Year 17, blood serum will be taken from both adults and newborns (200 total animals), and is budgeted at \$2,198 (\$10.99 x 200 collections).

In summary, Year 16 procedure costs are budgeted at \$41,009, and Year 17 procedure costs are budgeted at \$2,198.

Pathology.--At each animal's initial health check, a series of tests will be conducted by pathology. These tests include CBCs, blood chemistry profiles, stool cultures, and O&Ps. Pathology is budgeted for \$26,408 (\$165.05 x 160). These initial tests performed at the animals' arrival are not included in the quarantine per diem costs, and therefore are budgeted separately. These costs are budgeted in Year 16 only.

Viral screening.--Viral screening will be conducted on the incoming NEPRC marmosets and their offspring. Two viruses commonly infect marmosets, GBV-A and mLCV. GBV-A is positive-sense RNA virus in the family Flaviviridae, and mLCV is a herpesvirus related to human EBV and is also known as Callitrichine herpesvirus 3. The true prevalence of these infections in the various marmoset colonies is poorly understood. Neither virus is pathogenic in humans, and the impact of these viruses on the health of marmosets is poorly defined. Recent data from the barrier colony maintained at the Barshop Institute suggests that the barrier colony may have increased fecundity in comparison to the SNPRC colony. The Barshop colony was initiated using animals from the SNPRC that were negative for these viruses, but other differences exist between these colonies. The status of the NEPRC colony is unknown.

The SNPRC recently convened a meeting of an Expert Panel on Infectious Disease Surveillance to review each of the primate colonies at SNPRC. The recommendations for marmosets suggested efforts for an increased understanding of the effects, if any, of GBV-A and mLCV on productivity of the SNPRC colony. To be consistent with these recommendations, we will screen the NEPRC-origin colony for these viruses by PCR-based assays. The colony will be screened once in each of the first two years on the SNPRC campus. These data will be used for comparisons to the existing SNPRC colony.

PCR assays will be conducted by Dr. Lanford's laboratory. Dr. Lanford established the assays used for GBV-A and mLCV. Each screen is budgeted at \$123.60. For GBV-A, the screen requires purification of RNA from serum (\$30.90 per sample), and for mLCV, the screen requires purification of DNA from PBMC (\$30.90 per sample). The RT-PCR assay for GBV-A and the PCR assay for mLCV are budgeted at \$30.90 each. Thus, the total cost per sample is \$123.60 with an estimated 190 samples in the first year and 200 samples in the second year.

Therefore, the viral testing in Year 16 is budgeted at \$23,484 [(\$123.60 viral cost x 190 samples)]. The viral testing in Year 17 is budgeted at \$25,462 (\$127.31 x 200 samples).

Cost Recovery

We anticipate eight animal sales during Year 16 of this supplement (\$3,819 x 8 sales = \$30,552). If additional program income becomes available, it will be additive to the funds provided in the grant. This program income will be used for per diem support of the marmosets.

We anticipate 18 animal sales during Year 17 of this supplement (\$3,819 x 18 sales = \$68,742). The majority of available animals will be committed to breeding and colony growth; therefore, this figure is lower than anticipated future years' sales because the colony will only reach the steady state during Year 17.

After Year 17, we anticipate an increase in sales as the pairs put into production in Year 16 have offspring moving into the minimum useable age range (~ 17 months).

Below is a list of the Year 16 costs that are financially supported by program income and the base grant supplement.

Year 16

NEPRC Marmosets - Support from Base Grant Supplement and Program Income

Category	Total Cost	Program Income		Base Grant Supplement	
	Dollars	Dollars	% of Total	Dollars	% of Total
Personnel	33,862.00	-	0%	33,862.00	100%
Equipment	40,600.00	-	0%	40,600.00	100%
Supplies	72,153.00	-	0%	72,153.00	100%
Alterations and Renovations	62,800.00	-	0%	62,800.00	100%
Other Expenses	246,282.00	30,552.00	12%	215,730.00	88%
Consortium/Contractual Costs (UTHSCSA - Excluded by Requester)	27,783.00	-	0%	27,783.00	100%
Total	483,480.00	30,552.00	6%	452,928.00	94%

Below is a list of Year 17 costs that are financially supported by program income and the base grant supplement.

Year 17

NEPRC Marmosets - Support from Base Grant Supplement and Program Income

Category	Total Cost	Program Income		Base Grant Supplement	
	Dollars	Dollars	% of Total	Dollars	% of Total
Personnel	11,992.00	-	0%	11,992.00	100%
Equipment	-	-	-	-	-
Supplies	-	-	-	-	-
Alterations and Renovations	-	-	-	-	-
Other Expenses	306,421.00	68,742.00	22%	237,679.00	78%
Consortium/Contractual Costs (UTHSCSA - Excluded by Requester)	34,006.00	-	0%	34,006.00	100%
Total	352,419.00	68,742.00	20%	283,677.00	80%

Form Approved Through 9/31/2015

OMB No. 0925-0001

Department of Health and Human Services Public Health Services Grant Application <i>Do not exceed character length restrictions indicated.</i>		LEAVE BLANK--FOR PHS USE ONLY. Type _____ Activity _____ Number _____ Review Group _____ Fomncrly _____ Council/Board (Month, Year) _____ Date Received _____	
1. TITLE OF PROJECT (Do not exceed 81 characters, including spaces and punctuation.) Transfer of the NEPRC Marmoset Colony to the SNPRC			
2. RESPONSE TO SPECIFIC REQUEST FOR APPLICATIONS OR PROGRAM ANNOUNCEMENT OR SOLICITATION <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (If "Yes," state number and title) Number: _____ Title: _____			
3. PROGRAM DIRECTOR/PRINCIPAL INVESTIGATOR			
3a. NAME (Last, first, middle) Excluded by Requester		3b. DEGREE(S) Ph.D.	
3c. POSITION TITLE Associate Professor		3d. MAILING ADDRESS (Street, city, state, zip code) 15355 Lambda Drive San Antonio, TX 78245-3207	
3e. DEPARTMENT, SERVICE, LABORATORY, OR EQUIVALENT Barshop Institute/Cellular & Structural Biology		3f. MAJOR SUBDIVISION School of Medicine	
3g. TELEPHONE AND FAX (Area code, number and extension) TEL: 210-562-5033 FAX: 210-562-6150		E-MAIL ADDRESS: Exclude a uthscsa.edu	
4. HUMAN SUBJECTS RESEARCH <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		4a. Research Exempt <input type="checkbox"/> No <input type="checkbox"/> Yes	
4b. Federal-Wide Assurance No. FWA00005928		4c. Clinical Trial <input type="checkbox"/> No <input type="checkbox"/> Yes	
4d. NIH-defined Phase III Clinical Trial <input type="checkbox"/> No <input type="checkbox"/> Yes		5. VERTEBRATE ANIMALS <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	
6. DATES OF PROPOSED PERIOD OF SUPPORT (month, day, year--MM/DD/YY) From 07/01/2014 Through 04/30/2016		7. COSTS REQUESTED FOR INITIAL BUDGET PERIOD 7a. Direct Costs (\$) 22050	
8. COSTS REQUESTED FOR PROPOSED PERIOD OF SUPPORT 8a. Direct Costs (\$) 49039		8b. Total Costs (\$) 61789	
9. APPLICANT ORGANIZATION Name Univ. of TX Health Science Center at San Antonio Address 7703 Floyd Curl Drive San Antonio, TX 78229-3900		10. TYPE OF ORGANIZATION Public: → <input type="checkbox"/> Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Local Private: → <input type="checkbox"/> Private Nonprofit For-profit: → <input type="checkbox"/> General <input type="checkbox"/> Small Business <input type="checkbox"/> Woman-owned <input type="checkbox"/> Socially and Economically Disadvantaged	
11. ENTITY IDENTIFICATION NUMBER 1-74-1586031A3 DUNS NO. 80-077-2162 Cong. District TX-021		12. ADMINISTRATIVE OFFICIAL TO BE NOTIFIED IF AWARD IS MADE Name Chris G. Green Title Director, Office of Sponsored Programs Address Mail Code 7828 7703 Floyd Curl Drive San Antonio, TX 78229-3900	
13. OFFICIAL SIGNING FOR APPLICANT ORGANIZATION Name Carolina Toboada Title Manager, Grants & Contracts Address Mail Code 7828 7703 Floyd Curl Drive San Antonio, TX 78229-3900		14. APPLICANT ORGANIZATION CERTIFICATION AND ACCEPTANCE: I certify that the statements herein are true, complete and accurate to the best of my knowledge, and accept the obligation to comply with Public Health Services terms and conditions if a grant is awarded as a result of this application. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties.	
Tel: (210) 567-2340 FAX: (210) 567-8107 E-Mail: grants@uthscsa.edu		Tel: (210) 567-2340 FAX: (210) 567-8107 E-Mail: grants@uthscsa.edu	
SIGNATURE OF OFFICIAL NAMED IN 13. (In Ink. "Per" signature not acceptable.) Carolina Toboada		DATE 5/12/14	

PHS 398 (Rev. 08/12)

Face Page

Form Page 1

Program Director/Principal Investigator (Last, First, Middle):

Trevett, Kenneth
Subcontract - Tardif, Suzette**DETAILED BUDGET FOR INITIAL BUDGET PERIOD
DIRECT COSTS ONLY**FROM
07/01/14.THROUGH
04/30/15

List PERSONNEL (Applicant organization only)

Use Cal, Acad, or Summer to Enter Months Devoted to Project

Enter Dollar Amounts Requested (omit cents) for Salary Requested and Fringe Benefits.

NAME	ROLE ON PROJECT	Cal. Mths	Acad. Mths	Summer Mths	INST. BASE SALARY	SALARY REQUESTED	FRINGE BENEFITS	TOTAL
Excluded by Requester	PD/PI	% Effort			Institutional Base Salary	17,500	4,550	22,050
SUBTOTALS						17,500	4,550	22,050

CONSULTANT COSTS

EQUIPMENT. (Itemize)

SUPPLIES. (Itemize by category)

TRAVEL

INPATIENT CARE COSTS

OUTPATIENT CARE COSTS

ALTERATIONS AND RENOVATIONS. (Itemize by category)

OTHER EXPENSES. (Itemize by category)

CONSORTIUM/CONTRACTUAL COSTS

DIRECT COSTS

SUBTOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD (Item 7a, Face Page)

\$ 22,050

CONSORTIUM/CONTRACTUAL COSTS

FACILITIES AND ADMINISTRATIVE COSTS

5,733

TOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD

\$ 27,783

**BUDGET FOR ENTIRE PROPOSED PROJECT PERIOD
DIRECT COSTS ONLY**

BUDGET CATEGORY TOTALS	INITIAL BUDGET PERIOD (from Form Page 4)	2nd. ADDITIONAL YEAR OF SUPPORT REQUESTED	3rd. ADDITIONAL YEAR OF SUPPORT REQUESTED	4th. ADDITIONAL YEAR OF SUPPORT REQUESTED	5th. ADDITIONAL YEAR OF SUPPORT REQUESTED
PERSONNEL: Salary and fringe benefits. Applicant organization only.	22,050	26,989			
CONSULTANT COSTS					
EQUIPMENT					
SUPPLIES					
TRAVEL					
INPATIENT CARE COSTS					
OUTPATIENT CARE COSTS					
ALTERATIONS AND RENOVATIONS					
OTHER EXPENSES					
DIRECT CONSORTIUM/ CONTRACTUAL COSTS					
SUBTOTAL DIRECT COSTS (Sum = Item 8a, Face Page)	22,050	26,989			
F&A CONSORTIUM/ CONTRACTUAL COSTS	5,733	7,017			
TOTAL DIRECT COSTS	27,783	34,006			

TOTAL DIRECT COSTS FOR ENTIRE PROPOSED PROJECT PERIOD**\$ 61,789**

JUSTIFICATION.. Follow the budget justification instructions exactly.. Use continuation pages as needed.

Excluded by Requester (PI of Subcontract): Funding equivalent to % Effort is requested. A 2% cost of living allowance has been budgeted for year 2.

Pages 18-29 (Biographical Sketches) Removed – Excluded by Requester

CHECKLIST**TYPE OF APPLICATION.** (Check all that apply.)

- ☐ NEW application. (This application is being submitted to the PHS for the first time.)
- ☐ RESUBMISSION of application number: _____
(This application replaces a prior, unfunded version of a new, renewal, or revision application.)
- ☐ RENEWAL of grant number: _____
(This application is to extend a funded grant beyond its current project period.)
- ☒ REVISION to grant number: P51 OD011133-16
(This application is for additional funds to supplement a currently funded grant.)
- ☐ CHANGE of program director/principal investigator.

Name of former program director/principal investigator: _____

- ☐ CHANGE of Grantee Institution. Name of former institution: _____

- ☐ FOREIGN application ☐ Domestic Grant with foreign involvement List Country(ies) Involved: _____

INVENTIONS AND PATENTS (Renewal appl. only) ☐ No ☐ YesIf "Yes," ☐ Previously reported ☐ Not previously reported**1. PROGRAM INCOME.** (See instructions.)

All applications must indicate whether program income is anticipated during the period(s) for which grant support is requested. If program income is anticipated, use the format below to reflect the amount and source(s).

Budget Period	Anticipated Amount	Source(s)
07/01/14 -- 04/30/15	30,552	Animal Sales
05/01/15 -- 04/30/16	68,742	Animal Sales

2. ASSURANCES/CERTIFICATIONS. (See instructions.)

In signing the application Face Page, the authorized organizational representative agrees to comply with the policies, assurances and/or certifications listed in the application instructions when applicable. Descriptions of individual assurances/certifications are provided in Part III and listed in Part I, 4.1. under Item 14. If unable to certify compliance, where applicable, provide an explanation and place it after this page.

3. FACILITIES AND ADMINISTRATIVE COSTS (F&A)/INDIRECT COSTS. See specific instructions.

- ☒ DHHS Agreement dated: January 22, 2014 ☐ No Facilities And Administrative Costs Requested.
- ☐ DHHS Agreement being negotiated with _____ Regional Office.
- ☐ No DHHS Agreement, but rate established with _____ Date: _____

CALCULATION* (The entire grant application, including the Checklist, will be reproduced and provided to peer reviewers as confidential information.)

a. Initial budget period:	Amount of base \$	<u>346,745</u>	x Rate applied	<u>78.6</u>	% = F&A costs	\$	<u>272,542</u>
b. 02 year	Amount of base \$	<u>249,671</u>	x Rate applied	<u>78.6</u>	% = F&A costs	\$	<u>196,241</u>
c. 03 year	Amount of base \$	_____	x Rate applied	_____	% = F&A costs	\$	_____
d. 04 year	Amount of base \$	_____	x Rate applied	_____	% = F&A costs	\$	_____
e. 05 year	Amount of base \$	_____	x Rate applied	_____	% = F&A costs	\$	_____
						TOTAL F&A Costs	\$ <u>468,783</u>

*Check appropriate box(es):

- ☐ Salary and wages base ☒ Modified total direct cost base ☐ Other base (Explain)
- ☐ Off-site, other special rate, or more than one rate involved (Explain)

Explanation (Attach separate sheet, if necessary): _____

4. DISCLOSURE PERMISSION STATEMENT: If this application does not result in an award, is the Government permitted to disclose the title of your proposed project, and the name, address, telephone number and e-mail address of the official signing for the applicant organization, to organizations that may be interested in contacting you for further information (e.g., possible collaborations, investment)? ☐ Yes ☐ No

CHECKLIST

Subcontract - Tardif, Suzette

TYPE OF APPLICATION (Check all that apply.)

☒ NEW application. (This application is being submitted to the PHS for the first time.)

☐ RESUBMISSION of application number: _____
(This application replaces a prior unfunded version of a new, renewal, or revision application.)

☐ RENEWAL of grant number: _____
(This application is to extend a funded grant beyond its current project period.)

☐ REVISION to grant number: _____
(This application is for additional funds to supplement a currently funded grant.)

☐ CHANGE of program director/principal investigator.

Name of former program director/principal investigator: _____

☐ CHANGE of Grantee Institution. Name of former institution: _____

☐ FOREIGN application. ☐ Domestic Grant with foreign involvement List Country(ies) Involved: _____

INVENTIONS AND PATENTS. (Renewal appl. only) ☐ No ☐ Yes

If "Yes," ☐ Previously reported ☐ Not previously reported

1. PROGRAM INCOME (See Instructions.)

All applications must indicate whether program income is anticipated during the period(s) for which grant support is request. If program income is anticipated, use the format below to reflect the amount and source(s).

Budget Period	Anticipated Amount	Source(s)

2. ASSURANCES/CERTIFICATIONS (See Instructions.)

In signing the application Face Page, the authorized organizational representative agrees to comply with the policies, assurances and/or certifications listed in the application Instructions when applicable. Descriptions of individual assurances/certifications are provided in Part III and listed in Part I, 4.1 under Item 14. If unable to certify compliance, where applicable, provide an explanation and place it after this page.

3. FACILITIES AND ADMINISTRATIVE COSTS (F&A)/ INDIRECT COSTS. See specific instructions.

☒ DHHS Agreement dated: 04/27/2010 ☐ No Facilities And Administrative Costs Requested.

☐ DHHS Agreement being negotiated with _____ Regional Office.

☐ No DHHS Agreement, but rate established with _____ Date _____

CALCULATION* (The entire grant application, including the Checklist, will be reproduced and provided to peer reviewers as confidential information.)

a. Initial budget period:	Amount of base \$	22,050	x Rate applied	26.00	% = F&A costs	\$	5,733
b. 02 year	Amount of base \$	26,989	x Rate applied	26.00	% = F&A costs	\$	7,017
c. 03 year	Amount of base \$		x Rate applied		% = F&A costs	\$	
d. 04 year	Amount of base \$		x Rate applied		% = F&A costs	\$	
e. 05 year	Amount of base \$		x Rate applied		% = F&A costs	\$	
TOTAL F&A Costs						\$	12,750

*Check appropriate box(es):

☐ Salary and wages base.

☐ Modified total direct cost base

☐ Other base (Explain)

☒ Off-site, other special rate, or more than one rate involved (Explain)

Explanation (Attach separate sheet, if necessary): _____

4. DISCLOSURE PERMISSION STATEMENT: If this application does not result in an award, is the Government permitted to disclose the title of your proposed project, and the name, address, telephone number and e-mail address of the official signing for the applicant organization, to organizations that may be interested in contacting you for further information (e.g., possible collaborations, investment)? ☒ Yes ☐ No

Gheen, Valery (NIH/NHLBI) [E]

From: Harding, John (NIH/OD) [E]
Sent: Friday, June 06, 2014 1:47 PM
To: Lora Boyd
Subject: PERMISSION TO SUBMIT AN ADMINISTRATIVE SUPPLEMENT TO P51 OD11133-16

Dear Ms. Boyd:

This e-mail serves as permission for the Texas Biomedical Research Institute to submit a request for an administrative supplement to grant P51 OD11133-16. The purpose of the supplement is to support marmoset monkeys to be transferred from the New England National Primate Research Center to the Southwest National Primate Research Center.

- Jack Harding

John D. Harding, PhD
Acting Director
Division of Comparative Medicine / ORIP / DPCPSI
NIH Office of the Director
301-435-0776
hardingj@mail.nih.gov
6701 Democracy Blvd., Room 950, MSC 4877
Bethesda MD 20892-4877
For FedEx, UPS and other courier services use:
Bethesda MD 20817

From: [Harding, John \(NIH/OD\) \[E\]](#)
To: [Richelsen, Jean \(NIH/NCATS\) \[E\]](#)
Subject: FW: Change of PI Request - 2P51OD011133-16
Date: Wednesday, August 20, 2014 2:45:39 PM
Attachments: [Change of PI 2P51OD011133-16.pdf](#)
[BIO-Gracy-RW_08-05-14.pdf](#)
[GRACY_OS_08-2014.pdf](#)

Hello Jean: I approve this request. - Jack

John D. Harding, PhD
Health Scientist Administrator
Division of Comparative Medicine / ORIP / DPCPSI
NIH Office of the Director
301-435-0776
hardingi@mail.nih.gov
6701 Democracy Blvd., Room 950, MSC 4877
Bethesda MD 20892-4877
For FedEx, UPS and other courier services use:
Bethesda MD 20817

From: William Caskey [<mailto:whcaskey@TxBiomed.org>]
Sent: Wednesday, August 20, 2014 2:15 PM
To: Harding, John (NIH/OD) [E]; Richelsen, Jean (NIH/NCATS) [E]
Cc: Robert Lanford; Lora Boyd
Subject: Change of PI Request - 2P51OD011133-16

Dear Dr. Harding and Ms. Richelsen,

Attached is a request to change the PI for the SNPRC award since Mr. Trevett has resigned. I've attached the biosketch and current other support documents for Dr. Gracy. Thank you for your assistance in processing this request...Bill

Bill Caskey, PhD
Director, Office of Sponsored Programs
Texas Biomedical Research Institute
P.O. Box 760549
San Antonio, TX 78245-0549
Phone: 210.258.9544
Fax: 210.670.3335

E-mail: whcaskey@txbiomed.org
Physical Address for express mail:
7620 NW Loop 410
San Antonio, TX 78227-5301

Director, Office of Sponsored Programs
Texas Biomedical Research Institute
P.O. Box 760549
San Antonio, TX 78245-0549
Phone: 210.258.9544
Fax: 210.670.3335
E-mail: whcaskey@txblomed.org
Physical Address for express mail:
7620 NW Loop 410
San Antonio, TX 78227-5301

From: <Richelsen>, "Jean [E] (NIH/NCATS)" <richelsj@mail.nih.gov>
Date: Friday, March 7, 2014 1:36 PM
To: William Caskey <whcaskey@TxBiomed.org>, Jeannie Frazier <jfrazier@TxBiomed.org>
Cc: "Harding, John (NIH/OD) [E]" <HardingJ@mail.nih.gov>
Subject: SWNPRC Change of PI - P51OD011133

Good Afternoon,

I am the Grant Specialist assigned to Texas Biomedical Research P51 OD011133. I have received a copy for a Change of PI (dated February 28, 2014) for the Referenced grant from Dr. John Harding/ Program Officer.

Unfortunately, I will need to have this Prior Approval Request re- submitted by the Institutional Business Official. Also, I will need to have Current Updated Other Support for Dr. Robert E. Lanford. If you have any questions please don't hesitate to contact me – Thanks!

Jean D. Richelsen
Office of Grants Management
National Center for Advancing Translational Sciences, NIH, DHHS
Office of Research Infrastructure Programs/
Division of Program Coordination, Planning, and Strategic Initiatives
One Democracy Plaza
6701 Democracy Blvd, Room 1036
Bethesda, MD 20892 (20817 for express delivery)
O: (301) 594-9446
F: (301) 480-3777
E-mail: richelsj@mail.nih.gov



TEXAS BIOMEDICAL
RESEARCH INSTITUTE

Office of Sponsored Programs

William H. Caskey, Ph.D.

August 20, 2014

Ms. Jean Richelsen
BG 1DEM RM 1062
6701 Democracy Blvd.
Bethesda, MD 20817

RE: 2P51OD011133-16 REVISED, Change of PI Request

Dear Ms. Richelsen:

We are writing to request approval of a change in Principal Investigator (PI) for the above referenced award. The current PI, Kenneth Trevett, has announced his resignation as President of Texas Biomedical Research Institute, the Host Institute for the Southwest National Primate Research Center. The new President, Dr. Robert Gracy, will assume all responsibilities previously held by Kenneth Trevett. We request that Dr. Gracy be named the new Principal Investigator of the P51 grant. Dr. Lanford is the Director of the Southwest National Primate Research Center and will ~~work directly with Dr. Gracy to~~ ^{% Effort} accomplish the goals of the P51 grant. Dr. Gracy will dedicate of his effort to the Primate Center but will not charge salary to the grant. This change in PI will have no budget impact. Please see Dr. Gracy's attached biosketch and Other Support for additional details. We request the change of PI be effective as soon as possible.

If you have questions of a technical nature, please contact Dr. Lanford. For all other questions, please contact Dr. William H. Caskey, Ph.D., Director of the Office of Sponsored Programs.

Sincerely,

Robert Lanford, Ph.D.
Scientist
Director, Southwest National Primate
Research Center

William H. Caskey, Ph.D.
Director, Office of Sponsored Programs

Mail: P.O. Box 760549, San Antonio, TX 78245-0549
Shipping: 7620 NW Loop 410, San Antonio, TX 78227-5301
Telephone: 210.258.9544

Website: www.TxBiomed.org
Email: whcaskey@TxBiomed.org
FAX: 210.670.3335

OTHER SUPPORT

GRACY, ROBERT W.

ACTIVE

2 P51 OD011133-16 (Gracy)
NIH/OD/ORIP
Southwest National Primate
Research Center
Center Operations: Director's Office

05/01/14 - 04/30/16

\$446,236

(component directed by Dr. Lanford)

% Effort

This is the base grant that supports the infrastructure of the Southwest National Primate Research Center.

PENDING

None

OVERLAP

There is no scientific or budgetary overlap.

COMPLETED

None

From: William Caskey
To: Harding, John (NIH/OD) (F); Richelsen, Jean (NIH/NCATS) (F)
Cc: Robert Lanford; Lora Boyd
Subject: Supplement Application - P51OD011133-16 - NEPRC Marmoset Transfer
Date: Wednesday, June 11, 2014 3:58:47 PM
Attachments: OD_011133-16 Supplement Application - NEPRC Marmosets - Final 6-11-14.pdf
PERMISSION TO SUBMIT AN ADMINISTRATIVE SUPPLEMENT TO P51 OD11133-16.msg

Dear Dr. Harding & Ms. Richelsen:

Attached are the supplement application referenced above and the permission to submit this supplement. If you have questions of a programmatic nature, please contact Dr. Lanford. For all other questions, please contact me. Thank you for considering our request...Bill

Bill Caskey, PhD
Director, Office of Sponsored Programs
Texas Biomedical Research Institute
P.O. Box 760549
San Antonio, TX 78245-0549
Phone: 210.258.9544
Fax: 210.670.3335
E-mail: whcaskey@txbiomed.org
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