



OFFICE OF THE DIRECTOR, NATIONAL INSTITUTES OF HEALTH

Grant Number: 5P40OD010938-37 REVISED
FAIN: P40OD010938

Principal Investigator(s):
CHRISTIAN R ABEE, DVM

Project Title: Squirrel Monkey Breeding and Research Resource

Gonzales, Renee
The University of Texas
MD Anderson Cancer Center
Exec Director, Sponsored Programs
1515 Holcombe Blvd, Unit 1626
Houston, TX 770304009

Award e-mailed to: AwardNotice@mdanderson.org

Period Of Performance:

Budget Period: 02/01/2017 – 01/31/2018

Project Period: 04/01/1997 – 01/31/2020

Dear Business Official:

The National Institutes of Health hereby revises this award to reflect an increase in the amount of \$38,418 (see "Award Calculation" in Section I and "Terms and Conditions" in Section III) to UNIVERSITY OF TX MD ANDERSON CAN CTR 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 P40OD010938. 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/foi/> 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 – 5P40OD010938-37 REVISED**Award Calculation (U.S. Dollars)**

Salaries and Wages	\$151,360
Fringe Benefits	\$42,380
Personnel Costs (Subtotal)	\$193,740
Other	\$268,255

Federal Direct Costs	\$461,995
Federal F&A Costs	\$267,957
Approved Budget	\$729,952
Total Amount of Federal Funds Obligated (Federal Share)	\$729,952
TOTAL FEDERAL AWARD AMOUNT	\$729,952

AMOUNT OF THIS ACTION (FEDERAL SHARE) \$38,418

SUMMARY TOTALS FOR ALL YEARS		
YR	THIS AWARD	CUMULATIVE TOTALS
37	\$729,952	\$729,952
38	\$768,371	\$768,371
39	\$768,371	\$768,371

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

Fiscal Information:

CFDA Name: Research Infrastructure Programs
CFDA Number: 93.351
EIN: 1746001118A1
Document Number: POD010938I
PMS Account Type: P (Subaccount)
Fiscal Year: 2017

IC	CAN	2017	2018	2019
OD	8014500	\$729,952	\$768,371	\$768,371

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

NIH Administrative Data:

PCC: CMR03 / **OC:** 414E / **Released** 08/08/2017
Award Processed: 08/09/2017 12:06:02 AM

eRA
Commons
User Name

SECTION II – PAYMENT/HOTLINE INFORMATION – 5P40OD010938-37 REVISED

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 – 5P40OD010938-37 REVISED

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 75.
- National Policy Requirements and all other requirements described in the NIH Grants Policy Statement, including addenda in effect as of the beginning date of the budget period.
- Federal Award Performance Goals: As required by the periodic report in the RPPR or in

- the final progress report when applicable.
- f. 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.)

Research and Development (R&D): All awards issued by the National Institutes of Health (NIH) meet the definition of "Research and Development" at 45 CFR Part§ 75.2. As such, auditees should identify NIH awards as part of the R&D cluster on the Schedule of Expenditures of Federal Awards (SEFA). The auditor should test NIH awards for compliance as instructed in Part V, Clusters of Programs. NIH recognizes that some awards may have another classification for purposes of indirect costs. The auditor is not required to report the disconnect (i.e., the award is classified as R&D for Federal Audit Requirement purposes but non-research for indirect cost rate purposes), unless the auditee is charging indirect costs at a rate other than the rate(s) specified in the award document(s).

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 System for Award Management (SAM). 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) P40OD010938. 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/>.

In accordance with the regulatory requirements provided at 45 CFR 75.113 and Appendix XII to 45 CFR Part 75, recipients that have currently active Federal grants, cooperative agreements, and procurement contracts with cumulative total value greater than \$10,000,000 must report and maintain information in the System for Award Management (SAM) about civil, criminal, and administrative proceedings in connection with the award or performance of a Federal award that reached final disposition within the most recent five-year period. The recipient must also make semiannual disclosures regarding such proceedings. Proceedings information will be made publicly available in the designated integrity and performance system (currently the Federal Awardee Performance and Integrity Information System (FAPIIS)). Full reporting requirements and procedures are found in Appendix XII to 45 CFR Part 75. This term does not apply to NIH fellowships.

Treatment of Program Income:
Additional Costs

SECTION IV – OD Special Terms and Conditions – 5P40OD010938-37 REVISED

REVISION #1

This award is revised to address the following issues:

ORIP FUNDING PLAN FOR FY2017

This revised award reflects the NIH Fiscal Policy for Grant Awards for FY2017 (see NIH Guide Notice [NOT-17-086](#)) and the implementation of the ORIP FY2017 grants funding policy (see "Grants Policies and Guidance"): <https://orip.nih.gov/funding/awards-funding-policy>.

WEB SITE

The ORIP home page is at <https://orip.nih.gov/>.

All previous terms and conditions remain in effect.

SUBJECT FOA

This award is subject to the conditions set forth in RFA/PA: [PAR14-005](#), "Animal and Biological Material Resource Centers (P40)," 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-14-005.html>

SALARY CAP

None of the funds in this award shall be used to pay the salary of an individual at a rate in excess of the current salary cap. Current salary cap levels can be found at the following URL:

http://grants.nih.gov/grants/policy/salcap_summary.htm.

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 Part II Chapter 8 the NIH Grants Policy Statement for the activities and/or expenditures that require NIH approval at <http://grants.nih.gov/grants/policy/nihgps/nihgps.pdf>

NON-COMPETING RENEWAL (NON-SNAP)

The NIH requires the use of the Research Performance Progress Report (RPPR) for all Type 5 progress reports. The RPPR and other documents applicable to this Non-SNAP grant are due the first of the month preceding the month in which the budget period ends (e.g., if the budget period ends 11/30, the due date is 10/1). Please see <http://grants.nih.gov/grants/rppr/index.htm> for additional information on the RPPR.

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.

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: Kristin Wegner

Email: kristin.wegner@nih.gov **Phone:** 301.435.0848 **Fax:** 301.480.3777

Program Official: Miguel A. Contreras

Email: contre1@mail.nih.gov **Phone:** 301.594.9410

SPREADSHEET SUMMARY

GRANT NUMBER: 5P40OD010938-37 REVISED

INSTITUTION: UNIVERSITY OF TX MD ANDERSON CAN CTR

Budget	Year 37	Year 38	Year 39
--------	---------	---------	---------

Salaries and Wages	\$151,360	\$159,326	\$159,326
Fringe Benefits	\$42,380	\$44,611	\$44,611
Personnel Costs (Subtotal)	\$193,740	\$203,937	\$203,937
Other	\$268,255	\$282,374	\$282,374
TOTAL FEDERAL DC	\$461,995	\$486,311	\$486,311
TOTAL FEDERAL F&A	\$267,957	\$282,060	\$282,060
TOTAL COST	\$729,952	\$768,371	\$768,371

Facilities and Administrative Costs	Year 37	Year 38	Year 39
F&A Cost Rate 1	58%	58%	58%
F&A Cost Base 1	\$461,995	\$486,311	\$486,311
F&A Costs 1	\$267,957	\$282,060	\$282,060



OFFICE OF THE DIRECTOR, NATIONAL INSTITUTES OF HEALTH

Grant Number: 5P40OD010938-37
FAIN: P40OD010938

Principal Investigator(s):
CHRISTIAN R ABEE, DVM

Project Title: Squirrel Monkey Breeding and Research Resource

Gonzales, Renee
The University of Texas
MD Anderson Cancer Center
Exec Director, Sponsored Programs
1515 Holcombe Blvd, Unit 1626
Houston, TX 770304009

Award e-mailed to: AwardNotice@mdanderson.org

Period Of Performance:

Budget Period: 02/01/2017 – 01/31/2018

Project Period: 04/01/1997 – 01/31/2020

Dear Business Official:

The National Institutes of Health hereby awards a grant in the amount of \$691,534 (see "Award Calculation" in Section I and "Terms and Conditions" in Section III) to UNIVERSITY OF TX MD ANDERSON CAN CTR 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 P40OD010938. 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 – 5P40OD010938-37**Award Calculation (U.S. Dollars)**

Salaries and Wages	\$158,843
Fringe Benefits	\$44,476
Personnel Costs (Subtotal)	\$203,319
Other	\$234,361

Federal Direct Costs	\$437,680
Federal F&A Costs	\$253,854
Approved Budget	\$691,534
Total Amount of Federal Funds Obligated (Federal Share)	\$691,534
TOTAL FEDERAL AWARD AMOUNT	\$691,534

AMOUNT OF THIS ACTION (FEDERAL SHARE) \$691,534

SUMMARY TOTALS FOR ALL YEARS		
YR	THIS AWARD	CUMULATIVE TOTALS
37	\$691,534	\$691,534
38	\$768,371	\$768,371
39	\$768,371	\$768,371

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

Fiscal Information:

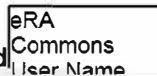
CFDA Name: Research Infrastructure Programs
CFDA Number: 93.351
EIN: 1746001118A1
Document Number: POD010938I
PMS Account Type: P (Subaccount)
Fiscal Year: 2017

IC	CAN	2017	2018	2019
OD	8014500	\$691,534	\$768,371	\$768,371

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

NIH Administrative Data:

PCC: CMR03 / **OC:** 414E / **Released** 01/25/2017
Award Processed: 01/26/2017 12:15:30 AM



SECTION II – PAYMENT/HOTLINE INFORMATION – 5P40OD010938-37

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 – 5P40OD010938-37

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 75.
- National Policy Requirements and all other requirements described in the NIH Grants Policy Statement, including addenda in effect as of the beginning date of the budget period.
- Federal Award Performance Goals: As required by the periodic report in the RPPR or in

- the final progress report when applicable.
- f. 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.)

Research and Development (R&D): All awards issued by the National Institutes of Health (NIH) meet the definition of "Research and Development" at 45 CFR Part§ 75.2. As such, auditees should identify NIH awards as part of the R&D cluster on the Schedule of Expenditures of Federal Awards (SEFA). The auditor should test NIH awards for compliance as instructed in Part V, Clusters of Programs. NIH recognizes that some awards may have another classification for purposes of indirect costs. The auditor is not required to report the disconnect (i.e., the award is classified as R&D for Federal Audit Requirement purposes but non-research for indirect cost rate purposes), unless the auditee is charging indirect costs at a rate other than the rate(s) specified in the award document(s).

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 System for Award Management (SAM). 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) P40OD010938. 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/>.

In accordance with the regulatory requirements provided at 45 CFR 75.113 and Appendix XII to 45 CFR Part 75, recipients that have currently active Federal grants, cooperative agreements, and procurement contracts with cumulative total value greater than \$10,000,000 must report and maintain information in the System for Award Management (SAM) about civil, criminal, and administrative proceedings in connection with the award or performance of a Federal award that reached final disposition within the most recent five-year period. The recipient must also make semiannual disclosures regarding such proceedings. Proceedings information will be made publicly available in the designated integrity and performance system (currently the Federal Awardee Performance and Integrity Information System (FAPIIS)). Full reporting requirements and procedures are found in Appendix XII to 45 CFR Part 75. This term does not apply to NIH fellowships.

Treatment of Program Income:
Additional Costs

SECTION IV – OD Special Terms and Conditions – 5P40OD010938-37

SUBJECT FOA

This award is subject to the conditions set forth in RFA/PA: [PAR14-005](#), "Animal and Biological Material Resource Centers (P40)," 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-14-005.html>

INTERIM FUNDING PLAN

NIH is currently operating under a Continuing Resolution (See NIH Guide Notice NOT-OD-17-001: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-17-001.html>). Therefore, this noncompeting award has been made at 90% of the amount committed for FY2017 in the previous Notice of Award. Upward adjustments to awarded levels will be considered after FY 2017 appropriations are enacted.

SALARY CAP

None of the funds in this award shall be used to pay the salary of an individual at a rate in excess of the current salary cap. Current salary cap levels can be found at the following URL:

http://grants.nih.gov/grants/policy/salcap_summary.htm.

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 Part II Chapter 8 the NIH Grants Policy Statement for the activities and/or expenditures that require NIH approval at <http://grants.nih.gov/grants/policy/nihgps/nihgps.pdf>

NON-COMPETING RENEWAL (NON-SNAP)

The NIH requires the use of the Research Performance Progress Report (RPPR) for all Type 5 progress reports. The RPPR and other documents applicable to this Non-SNAP grant are due the first of the month preceding the month in which the budget period ends (e.g., if the budget period ends 11/30, the due date is 10/1). Please see <http://grants.nih.gov/grants/rppr/index.htm> for additional information on the RPPR.

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.

WEB SITE

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: Kristin Wegner

Email: kristin.wegner@nih.gov **Phone:** 301.435.0848 **Fax:** 301.480.3777

Program Official: Manuel H Moro

Email: morom@mail.nih.gov **Phone:** 301-435-0960 **Fax:** 301 480-3819

SPREADSHEET SUMMARY

GRANT NUMBER: 5P40OD010938-37

INSTITUTION: UNIVERSITY OF TX MD ANDERSON CAN CTR

Budget	Year 37	Year 38	Year 39
Salaries and Wages	\$158,843	\$159,326	\$159,326
Fringe Benefits	\$44,476	\$44,611	\$44,611
Personnel Costs (Subtotal)	\$203,319	\$203,937	\$203,937
Other	\$234,361	\$282,374	\$282,374
TOTAL FEDERAL DC	\$437,680	\$486,311	\$486,311
TOTAL FEDERAL F&A	\$253,854	\$282,060	\$282,060

TOTAL COST	\$691,534	\$768,371	\$768,371
------------	-----------	-----------	-----------

Facilities and Administrative Costs	Year 37	Year 38	Year 39
F&A Cost Rate 1	58%	58%	58%
F&A Cost Base 1	\$437,680	\$486,311	\$486,311
F&A Costs 1	\$253,854	\$282,060	\$282,060

A. COVER PAGE

Project Title: Squirrel Monkey Breeding and Research Resource	
Grant Number: 5P40OD010938-37	Project/Grant Period: 04/01/1997 - 01/31/2020
Reporting Period: 02/01/2016 - 01/31/2017	Requested Budget Period: 02/01/2017 - 01/31/2018
Report Term Frequency: Annual	Date Submitted: 11/28/2016
Program Director/Principal Investigator Information: CHRISTIAN R ABEE , DVM MS Phone number: 512-321-3991 Email: cabee@mdanderson.org	Recipient Organization: UNIVERSITY OF TX MD ANDERSON CAN CTR 1515 HOLCOMBE BLVD Unit 1676 HOUSTON, TX 770304009 DUNS: 800772139 EIN: 1746001118A1 RECIPIENT ID:
Change of Contact PD/PI: N/A	
Administrative Official: CLAUDIA DELGADO UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER 1515 HOLCOMBE BLVD HOUSTON, TX 77030 Phone number: 7137922282 Email: cydelgad@mdanderson.org	Signing Official: RENEE K GONZALES 1515 Holcome Unit 1676 Houston, TX 77030 Phone number: 713-792-3220 Email: osp@mdanderson.org
Human Subjects: No	Vertebrate Animals: Yes
hESC: No	Inventions/Patents: No

B. ACCOMPLISHMENTS**B.1 WHAT ARE THE MAJOR GOALS OF THE PROJECT?**

Currently the Squirrel Monkey Breeding and Research Resource (SMBRR, P40 OD010938-35) maintains 534 squirrel monkeys at the Michale E. Keeling Center for Comparative Medicine and Research (KCCMR). This includes 380 *Saimiri boliviensis boliviensis*, 18 *Saimiri boliviensis peruviansis*, and 136 *Saimiri sciureus*. The animals range in age from less than one year to 23 years old.

Our goals/specific aims for this grant period have not changed from the previous year. The overall objective of the SMBRR is to efficiently manage this unique national research resource and conduct research to better understand the biology of the squirrel monkey to enhance its biomedical research value. The Resource Management Core manages the breeding colony, provides animals, tissues/biological fluids, cell lines, expert advice, and other research resources to NIH grantees throughout the United States. This core develops and executes the operating plan for maintaining a genetically defined and self-sustaining breeding colony. The Applied Research Core carries out research to improve the health of the colony with an emphasis on reproductive health and identification of human disease models. A second study will expand our understanding of pelvic organ prolapse (POP), a common pathological condition of multiparous squirrel monkeys and women. This study will help define the squirrel monkey model of this important process and will help us manage colony reproductive health. Studies will be carried out to phenotypically characterize squirrel monkey immune cells, to analyze proliferation responses and cytokine production of Peripheral Blood Mononuclear Cells (PBMCs) to in vitro stimulations with reagents that activate innate immunity, and to assess the capacity of squirrel monkey DC to modulate antigen specific immunity.

B.1.a Have the major goals changed since the initial competing award or previous report?

Yes

Revised goals:

The Squirrel Monkey Breeding and Research Resource (SMBRR, P40 OD010938) census is approximately 550 squirrel monkeys. This P40 resource is maintained at the Michale E. Keeling Center for Comparative Medicine and Research in Bastrop, TX. The breeding colony includes *Saimiri boliviensis boliviensis*, *Saimiri boliviensis peruviansis*, and *Saimiri sciureus*. The animals range in age from less than one year to over 20.

The goals/specific aims of this program have not changed from the previous year. The overall objective of the SMBRR is to efficiently manage this unique national research resource and conduct research to better understand the biology of the squirrel monkey to enhance its biomedical research value. The Resource Management Core manages the breeding colony, provides animals, tissues/biological fluids, cell lines, expert advice, and other research resources to NIH grantees throughout the United States. This core develops and executes the operating plan for maintaining a genetically defined and self-sustaining breeding colony. The Applied Research Core carries out research to improve the health of the colony with an emphasis on reproductive health and identification of human disease models. Studies conducted this year will expand our understanding of pelvic organ prolapse (POP), a common pathological condition of multiparous squirrel monkeys and women. This research will help define the squirrel monkey model of this important disorder and will help us manage colony reproductive health. Studies continue to phenotypically characterize squirrel monkey immune cells by analyzing proliferation responses and cytokine production of Peripheral Blood Mononuclear Cells (PBMCs).

B.2 WHAT WAS ACCOMPLISHED UNDER THESE GOALS?

File uploaded: B.2 Goals and Accomplishments.pdf

B.3 COMPETITIVE REVISIONS/ADMINISTRATIVE SUPPLEMENTS

For this reporting period, is there one or more Revision/Supplement associated with this award for which reporting is required?

No

B.4 WHAT OPPORTUNITIES FOR TRAINING AND PROFESSIONAL DEVELOPMENT HAS THE PROJECT PROVIDED?

NOTHING TO REPORT

B.5 HOW HAVE THE RESULTS BEEN DISSEMINATED TO COMMUNITIES OF INTEREST?

Data generated from the SMBRR is disseminated through our website, manuscripts, and presentations at scientific professional meetings. The SMBRR website (smbrr.kccmr.org) provides access to information about the squirrel monkey resources, as well as guidance on requesting resources. The resource also maintains a listing in the Primate Resource Referral Service providing contact information, as well as the availability of animals and biologics. During the past reporting period, presentations were made at the American Society of Primatologists meeting, American Association of Laboratory Animal Science meeting, the Annual Meeting of International Urogynecology Association in South Africa and the Annual Meeting of American Urogynecologic Society.

B.6 WHAT DO YOU PLAN TO DO DURING THE NEXT REPORTING PERIOD TO ACCOMPLISH THE GOALS?

During the upcoming grant period we will continue to work on increasing efficiency of the resource by improving reproductive efficiency and the way materials are advertised to the research community. We are listing on the Primate Resource Referral Service website and have an online request form on our website. These enhancements will allow investigators to request information on the availability of animals and biologics from the resource.

Part of improving the resource will include assessing the heterogeneity of the colony. We will use our resource's extended pedigree to calculate how much of the founding genetic has been maintained in the colony. We will then develop management strategies to maximize the amount of heterozygosity among breeding animals within the resource.

Plans for the coming year are to continue collection of pelvic floor observations and monitoring of outcomes of pregnancies in females previously involved in the c-section study for complications and signs of pelvic floor support loss.

Also planned for the next grant period are investigations of clinical risk factors associated with aging in the squirrel monkey. Using the extensive database of clinical treatments and causes of death, we can construct an epidemiological profile of morbidity and mortality in the squirrel monkey. We will also be working on developing Dried Blood Spot technology to increase the efficiency of blood sample storage and shipment.

Studies are planned to continue the work by our center on characterizing the immune system of the squirrel monkey. Excluded by Requester
Another important collaboration that will continue is with Excluded by Requester. We plan to continue our development of the squirrel monkey as a model for Alzheimer disease via Innate Immunity Stimulation via CpG ODN, as we have shown positive effect on CpG vaccine in our recent studies.

2016 RPPR

SQUIRREL MONKEY BREEDING AND RESEARCH RESOURCE (SMBRR) AIMS/GOALS

The overall objective of the SMBRR is to efficiently manage this unique national research resource and conduct research to better understand the biology of the squirrel monkey to enhance its biomedical research value. The **Resource Management Core** manages the breeding colony, and provides animals, tissues/biological fluids, cell lines, expert advice, and other research resources to NIH grantees throughout the United States. This core develops and executes the operating plan for maintaining a genetically defined and self-sustaining breeding colony. The **Applied Research Core** carries out research to improve the health of the colony with an emphasis on reproductive health and identification of human disease models.

The major aim of the **Resource/Behavioral Management Core** is to continue to improve and expand the resources we provide to the biomedical research community and to improve the reproductive efficiency of the squirrel monkey in captivity. During the past reporting period we had a total of 101 live births out of a total of 115 pregnancies (88% live birth rate). The other 12% consisted of 4 spontaneous abortions, 8 stillbirths, and 2 inter-uterine deaths. There were 13 non-infant, non-study related deaths. A total of 53 animals were provided to external investigators from the resource, and there are two potential sales of 16 total animals that should clear before the end of the current funding period.

The SMBRR website (www.mdanderson.org/kccmr) provides access to the laboratory diagnostic and pathology services available, as well as information on how to obtain biologics and animal resources.

A separate aim for the Resource/Behavioral Management Core is to improve the efficiency in data management and, in particular, to increase our use of computerized databases. During the previous and current support periods we introduced web based data entry for daily observations and social exemption approval by the attending veterinarian and behaviorist. Web-based systems for animal inventory and location management, and behavioral assessment reports are also in development. The data management working group has developed standards for data collected in the clinic, and is in the process of rolling out the use of bar codes for clinical sample submission control. This working group consists of senior care staff, supervisors, and veterinarians.

Studies in the Applied Research Core have continued during the past reporting period. One major aim of this core is to carry out research to improve the health and reproduction in squirrel monkeys with an emphasis on reproductive health and identification of human disease models. One project we have continued this year looked at whether avoiding vaginal delivery by using scheduled c-section deliveries before the onset of labor may reduce the risk of developing pelvic floor support changes. In previous years of the grant, we had completed the first set of deliveries and associated presentations and publication. The study was planned to continue for three deliveries. This past breeding year (fall of 2015 through 2016), we are concluding the second and third pregnancies with follow-up magnetic resonance imaging sessions completed in October 2016. A second specific aim is to establish commonalities between squirrel monkey and human immune cells. During the past year we have identified several immune reagents which are cross-reactive with squirrel monkeys. These studies have resulted in a collaboration with investigators at the NYU School of Medicine.

C. PRODUCTS

C.1 PUBLICATIONS

Are there publications or manuscripts accepted for publication in a journal or other publication (e.g., book, one-time publication, monograph) during the reporting period resulting directly from this award?

No

C.2 WEBSITE(S) OR OTHER INTERNET SITE(S)

Nothing to report

C.3 TECHNOLOGIES OR TECHNIQUES

Nothing to report

C.4 INVENTIONS, PATENT APPLICATIONS, AND/OR LICENSES

Have inventions, patent applications and/or licenses resulted from the award during the reporting period?

No

C.5 OTHER PRODUCTS AND RESOURCE SHARING

Nothing to report

D. PARTICIPANTS

D.1 WHAT INDIVIDUALS HAVE WORKED ON THE PROJECT?

Commons ID	S/K	Name	SSN	DOB	Degree(s)	Role	Cal	Aca	Sum	Foreign Org	Country	SS
eRA Commons User Name	Y	ABEE, CHRISTIAN R	SSN	DOB	MS,DVM	PD/PI	EFFORT					NA
	N	Excluded by Requester				Technician						NA
eRA Commons User Name	Y		SSN	DOB	BS,MS,P HD,PHD, MS,BS	Co-Investigator						NA
	N					Technician						NA
eRA Commons User Name	Y					Co-Investigator						NA

Glossary of acronyms:

S/K - Senior/Key
 DOB - Date of Birth
 Cal - Person Months (Calendar)
 Aca - Person Months (Academic)
 Sum - Person Months (Summer)

Foreign Org - Foreign Organization Affiliation
 SS - Supplement Support
 RE - Reentry Supplement
 DI - Diversity Supplement
 OT - Other
 NA - Not Applicable

D.2 PERSONNEL UPDATES

D.2.a Level of Effort

Will there be, in the next budget period, either (1) a reduction of 25% or more in the level of effort from what was approved by the agency for the PD/PI(s) or other senior/key personnel designated in the Notice of Award, or (2) a reduction in the level of effort below the minimum amount of effort required by the Notice of Award?

No

D.2.b New Senior/Key Personnel

Are there, or will there be, new senior/key personnel?

No

D.2.c Changes in Other Support

Has there been a change in the active other support of senior/key personnel since the last reporting period?

Yes

Excluded
by
Requester

File uploaded Requestersupport.pdf

D.2.d New Other Significant Contributors

Are there, or will there be, new other significant contributors?

No

D.2.e Multi-PI (MPI) Leadership Plan

Will there be a change in the MPI Leadership Plan for the next budget period?

NA

Excluded
by
Requester

PHS 2590/RPPR OTHER SUPPORT FORMAT PAGE

CHANGES IN OTHER SUPPORT (D.2.c)

Excluded by Requester

E. IMPACT

E.1 WHAT IS THE IMPACT ON THE DEVELOPMENT OF HUMAN RESOURCES?

Not Applicable

E.2 WHAT IS THE IMPACT ON PHYSICAL, INSTITUTIONAL, OR INFORMATION RESOURCES THAT FORM INFRASTRUCTURE?

NOTHING TO REPORT

E.3 WHAT IS THE IMPACT ON TECHNOLOGY TRANSFER?

Not Applicable

E.4 WHAT DOLLAR AMOUNT OF THE AWARD'S BUDGET IS BEING SPENT IN FOREIGN COUNTRY(IES)?

NOTHING TO REPORT

F. CHANGES

F.1 CHANGES IN APPROACH AND REASONS FOR CHANGE

Not Applicable

F.2 ACTUAL OR ANTICIPATED CHALLENGES OR DELAYS AND ACTIONS OR PLANS TO RESOLVE THEM**F.3 SIGNIFICANT CHANGES TO HUMAN SUBJECTS, VERTEBRATE ANIMALS, BIOHAZARDS, AND/OR SELECT AGENTS****F.3.a Human Subjects**

No Change

F.3.b Vertebrate Animals

No Change

F.3.c Biohazards

No Change

F.3.d Select Agents

No Change

G. SPECIAL REPORTING REQUIREMENTS

G.1 SPECIAL NOTICE OF AWARD TERMS AND FUNDING OPPORTUNITIES ANNOUNCEMENT REPORTING REQUIREMENTS

NOTHING TO REPORT

G.2 RESPONSIBLE CONDUCT OF RESEARCH

Not Applicable

G.3 MENTOR'S REPORT OR SPONSOR COMMENTS

Not Applicable

G.4 HUMAN SUBJECTS

G.4.a Does the project involve human subjects?

No

G.4.b Inclusion Enrollment Data

Not Applicable

G.4.c ClinicalTrials.gov

Does this project include one or more applicable clinical trials that must be registered in ClinicalTrials.gov under FDAAA?

G.5 HUMAN SUBJECTS EDUCATION REQUIREMENT

Are there personnel on this project who are newly involved in the design or conduct of human subjects research?

G.6 HUMAN EMBRYONIC STEM CELLS (HESCS)

Does this project involve human embryonic stem cells (only hESC lines listed as approved in the NIH Registry may be used in NIH funded research)?

No

G.7 VERTEBRATE ANIMALS

Does this project involve vertebrate animals?

Yes

G.8 PROJECT/PERFORMANCE SITES

Organization Name:	DUNS	Congressional District	Address
Primary: The University of Texas MD Anderson Cancer Center	800772139	TX-009	650 Cool Water Dr. Bastrop TX 786026621
The University of Texas MD Anderson Cancer Center	800772139	TX-009	1515 Holcombe Blvd Unit 1676 Houston TX 770304009

G.9 FOREIGN COMPONENT

No foreign component

G.10 ESTIMATED UNOBLIGATED BALANCE

G.10.a Is it anticipated that an estimated unobligated balance (including prior year carryover) will be greater than 25% of the current year's total approved budget?

No

G.11 PROGRAM INCOME

Is program income anticipated during the next budget period?

Yes

Anticipated Amount	Source(s)
95000	Animals Sales

G.12 F&A COSTS

Is there a change in performance sites that will affect F&A costs?

No

RPPR

RESEARCH & RELATED BUDGET - SECTION A & B

FINAL

ORGANIZATIONAL DUNS*: 800772139

Budget Type*: ☒ Project ☐ Subaward/Consortium

Enter name of Organization: UNIVERSITY OF TX MD ANDERSON CAN CTR

Start Date*: 02-01-2017

End Date*: 01-31-2018

A. Senior/Key Person

Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Dr	Christian	Abee		Project Lead	Institutional Base Salary	EFFORT			18,510.00	5,183.00	23,693.00
2.	Excluded by Requester				Co-Investigator					53,229.00	14,904.00	68,133.00
3.					Co-Investigator					74,350.00	20,818.00	95,168.00
Total Funds Requested for all Senior Key Persons in the attached file												
Additional Senior Key Persons:			File Name:							Total Senior/Key Person		186,994.00

B. Other Personnel

Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
2	Team Leader/Animal ResourcesTechnologist	EFFORT			30,403.00	8,513.00	38,916.00
2	Total Number Other Personnel					Total Other Personnel	38,916.00
Total Salary, Wages and Fringe Benefits (A+B)							225,910.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E

ORGANIZATIONAL DUNS*: 800772139

Budget Type*: ☒ Project ☐ Subaward/Consortium

Enter name of Organization: UNIVERSITY OF TX MD ANDERSON CAN CTR

Start Date*: 02-01-2017

End Date*: 01-31-2018

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item	Funds Requested (\$)*
Total funds requested for all equipment listed in the attached file	0.00
Total Equipment	0.00
Additional Equipment: File Name:	

D. Travel

Funds Requested (\$)*

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)	0.00
2. Foreign Travel Costs	0.00
Total Travel Cost	0.00

E. Participant/Trainee Support Costs

Funds Requested (\$)*

1. Tuition/Fees/Health Insurance	0.00
2. Stipends	0.00
3. Travel	0.00
4. Subsistence	0.00
5. Other:	
0 Number of Participants/Trainees	Total Participant Trainee Support Costs
	0.00

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K

ORGANIZATIONAL DUNS*: 800772139

Budget Type*: ☒ Project ☐ Subaward/Consortium

Enter name of Organization: UNIVERSITY OF TX MD ANDERSON CAN CTR

Start Date*: 02-01-2017

End Date*: 01-31-2018

F. Other Direct Costs		Funds Requested (\$)*
1. Materials and Supplies		0.00
2. Publication Costs		0.00
3. Consultant Services		0.00
4. ADP/Computer Services		0.00
5. Subawards/Consortium/Contractual Costs		0.00
6. Equipment or Facility Rental/User Fees		0.00
7. Alterations and Renovations		0.00
8. Animal Per Diem		260,401.00
Total Other Direct Costs		260,401.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	486,311.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. F&A Rate	58.0	486,311.00	282,060.00
Total Indirect Costs			282,060.00
Cognizant Federal Agency			
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	768,371.00

J. Fee	Funds Requested (\$)*
	0.00

K. Budget Justification*	File Name: 2016_Budget_Justification.pdf
	(Only attach one file.)

RESEARCH & RELATED Budget (F-K) (Funds Requested)

SQUIRREL MONKEY BREEDING AND RESEARCH RESOURCE BUDGET JUSTIFICATION

Personnel:

No significant change in Personnel from original proposal. \$225,910

Other Expenses – Animal Care Costs (per diem):

No significant change in Other Expenses from original proposal. \$260,401