

University of Florida Clinical and Translational Research Building

Year 3 Tax-Exempt Bond Certification Report

UF Fiscal Year 2015-2016

July 1, 2015 – June 30, 2016

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Transmittal Document CTRB Bond Compliance

August 3, 2016

Executive Summary

Attached please find the report required by the Tax Exempt Bond financing agreement for the Clinical Trials Research Building (CTRB) dated March 31, 2011. This is the third report in a cumulative 20 year series of reports to demonstrate that the vast preponderance (90%) of the activity of the CTRB is dedicated to public benefit.

This report is the summary of the annual process to define and categorize “research revenues” accumulated through the use of the CTRB and classify the benefits derived as “good” (public benefit) or “bad” (private benefit). Executives from the University Health Science Center, Legal Affairs and Bond Compliance were involved as well as senior scientists and department and institute managers with activities in the building. Note that the revenue was calculated in four zones were then combined into an overall amount. The process and definitions are fully described in body of the report (pages 9-17)

By the method described in the report, we calculated that the cumulative ratio of good (public) benefit to total “research revenue” for the year 2014-2016 years to be 89.9%, the percent of good use was 89.5% for 2014, 90.9% for 2015, and 89.2% for 2016.. **This cumulative percentage good use is one tenth of one percent below the 90% specified in the Tax Exempt Bond financing agreement for the Clinical and Translational Research Building.**

	Total Research Revenue	Amount in CTRB	Good Use	Bad Use	% Good Use
2014 Overall	\$96,719,030	\$43,404,982	\$38,849,593	\$4,555,390	89.5%
2015 Overall	\$151,280,706	\$70,139,419	\$63,753,083	\$6,386,336	90.9%
2016 Overall	\$168,767,359	\$82,959,788	\$74,013,059	\$8,946,729	89.2%
Cumulative Total for 2014-2016	\$416,767,095	\$196,504,190	\$176,615,735	\$19,888,455	89.9%

2016	Total Research Revenue	Amount in CTRB	Good Use	Bad Use	% Good Use
Red Zone: Sponsored Research	\$154,489,936	\$75,903,820	\$67,923,930	\$7,979,890	89.5%
Blue Zone 1: High Occupancy Depts	\$8,463,710	\$5,986,474	\$5,376,971	\$609,503	89.8%
Blue Zone 2: Low Occupancy Depts	\$5,062,469	\$318,250	\$306,819	\$11,432	96.4%
Black Zone: Clinical Research Center	\$751,244	\$751,244	\$405,339	\$345,904	54.0%
Total	\$168,767,359	\$82,959,788	\$74,013,059	\$8,946,729	89.2%

Changes in Method from Year 2

As of July 1, 2015, Investigational pharmacy services were billed directly as the Clinical Research Center (CRC) service. As a result the investigational pharmacy services will be reported as part of the CRC (Black Zone), the “Olive Zone” will no longer be reported as a separate category.

Issues Going Forward

The space survey data collection process does not officially close until the fall of each year. This year the person responsible for space data collection were instructed by the senior management of UFHealth to complete the data collection for the CTRB by June 9, 2016. The data were extracted from on June 10, 2016 allowing us start and complete the bond certification process by the reporting deadline. **We should continue to require that the space survey for the CTRB North Wing to be completed by June 10 or earlier to meet the Bond Compliance Reporting deadline.**

CTRB Compliance Report

General Background

The University of Florida Clinical and Translational Research Building (CTRB) serves as the *headquarters* for clinical and translational science at UF. It is home to the Clinical and Translational Science Institute (CTSI) which conducts on-site research and is also the hub of a statewide network that aims to bring “the benefits of research to more than 9 million patients in all of Florida’s 67 counties” (see [CTSI website](#)).

The north wing of the CTRB was funded with tax-exempt bonds. The bonds have specific covenants requiring that the vast preponderance of “research revenue” generated through the use of the building over the 20-year life of the bonds be in the clear public benefit. More precisely the ratio of “qualified research revenue” (that is clearly in the public benefit) to total research revenue must exceed 90%. In addition to this qualified research condition, there are restrictions on other purely commercial activities such as bookstores or kiosks.

Note: Though the north wing of the CTRB physically adjoins with the south wing, home to the UF Institute on Aging headquarters, the south wing was constructed with an NIH grant and is specifically excluded from any CTRB covenants in the north wing.

Definitions

Research revenue is defined as revenue from “research arrangements” (“contracts, grants, etc. with a state or local governmental unit, a Federal Sponsor or any other third party”). The term “research revenue” is not widely used within academic medicine. Interpreted broadly, it was construed to subsume several more common concepts such as research funding, research awards and research support. It may also subsume all or part of traditional categories, such as cost recoveries and gifts.

Note: The broadest (most conservative) definition of research revenue has been used in the report, which specifically includes grants and contracts that are routed through the Office of Research, and general support for other research activities that are not funded through an “official” contract or grant.

Basic Research The compliance definition of “basic research” includes any original investigation for the advancement of scientific knowledge not having a specific commercial objective. This very broad definition was construed to include clinical research and other research activities that do not have a specific commercial objective.

Note: The broadest (most conservative) definition of basic research has been used in the report to include all research activities – translational, clinical and health services.

Laboratories The term “laboratories” which is frequently used in the compliance agreement is difficult to precisely apply to research involving human subjects where a relatively small proportion of the research activity is conducted in “wet labs” and much work requires both clinical and research venues. Translational research is frequently conducted in multiple venues in multiple buildings and even at

multiple universities. The rate limiting factor in clinical research is often access to appropriate subjects rather than access to highly capitalized laboratory facilities.

Note: The broadest (most conservative) definition of laboratories has been used in the report and includes the Clinical Research Center, an “auxiliary” that may be considered analogous to a core laboratory in a wet lab setting and certain support units such as Biostatistics.

CTR Building Occupants and Users

Four general levels of occupants and users have been included in the report.

Major Building Tenants: Research institutes and university departments that are headquartered in the CTRB and have substantial programmatic presence in the building. These are the Clinical and Translational Science Institute (14,730 square feet), the Departments of Biostatistics (4,791 square feet) and Department of Epidemiology (5,811 square feet). These occupants are specifically referenced in the compliance agreement.

Minor Building Tenants: These include the research groups specifically referenced in the compliance agreement. Research groups are not in themselves organizational units of the university, but they are: 1-members of university departments that are not headquartered in the CTRB, 2-have significant translational research activities in the CTRB, and 3-collaborate with other CTRB occupants. The Department of Health Outcomes and Policy, which is headquartered outside the CTRB, is the largest of this group, and the Department of Medicine also has several of these research groups or “colonies”.

Occasional and infrequent users: These are individual investigators and research associates who are not included as members of major or minor tenants but who may use services of the Clinical Research Center (CRC) or other building occupants. In nearly all cases these are university faculty and staff.

Clinical Research Center (CRC): This special category was created to consider the CRC located on the first floor which is a CTSI service auxiliary that recovers the preponderance of its direct costs through transfer payments and fees charged to facility users.

Note: Each level of occupant or user has been evaluated against the same compliance standards but data collection methods were adapted to their unique circumstances.

Space as Related to Program Activity

Grants and projects are frequently not confined to individual spaces or buildings. In order to meet the research needs, the actual conduct of the research studies may be distributed across a wide number of institutions or venues over which the Principle Investigator of the PeopleSoft contract or “parent grant” may have scientific control but minimal operational control. Many projects and programs have substantial activities which reach far beyond the CTRB and even the campus. In some instances, CTRB occupants and users may be at the “project level” so only a small portion of the overall activity related to its parent grant or contract occurs in the CTRB. In other instances, the large majority of the grant or contract is conducted in the CTRB.

Note: The university's annual space survey interviews building occupants and users of individual spaces within the building and details the projects, grants and other forms of support that are associated with each space. The CTRB report accumulates activity from grants and projects that were identified in the space survey as having activity in the CTRB.

Grant and Research Project Activity Types

Financial accounting structures may be different depending on the formality of the research project and the external reporting requirements. The compliance review considered four general categories of grants and research activity.

Extramural Grants and Contracts

All major externally funded grants and contracts are identified in the Sponsored Research Master (SRM) database and include contact information for the contract and project Principle Investigators (PI). PeopleSoft contracts ("parent level") can include one or more projects.

Note: Each contract PI (n=105) was surveyed about the contracts (n=281) that were identified in the space survey. The contract PI was asked to apportion the activity of each contract between the CTRB and other venues. This ratio was applied to the overall award to determine the amount of research revenue appropriately associated with the CTRB.

Other Defined Research Projects

These may be sponsored by foundation, individuals, businesses associations or others.

Note: Depending on the financial structure, these activities could be treated as major grants (above) or as projects that were accounted through a grouping of associated "fund codes" that identify streams of support that could be characterized as revenue. Deliberate attention was paid to avoid any double counting of revenue or support.

Departmentally Sponsored Research

These may be startup funding for new investigators, seed funding during grant development or other activities deemed to foster research or the growth of research capability that is directly associated with an individual researcher or research group.

Note: These activities are not well compartmentalized in the accounting system and were categorized by groupings of fund codes.

General Research Support Activities and Services

These activities may provide necessary professional skills, facilities, software or a wide range of general support for researchers, research grants and the "research environment". In most cases "fund codes" were used to characterize support.

Note: These activities were reported from departmental records and may include all direct support for programs completely housed in the CTRB.

The Compliance Review Process

The compliance review process involved three distinct phases: identification, apportionment and disclosure.

1) Identification of CTRB activities

Building use was identified in concert with the university's annual space survey.

Note: All projects and grants with any CTRB involvement were individually identified during the space survey. Activities that could be directly identified with a principle investigator were treated as major grants and subject to the principle Investigator survey. Research activities that are not counted as "sponsored research" in the university's space survey were included in the department review process. These two methods were thoroughly checked to avoid duplication of accounting and the results were combined in the final compliance accounting.

2) Apportionment of Activity

Apportionment is the basis by which research activity is divided into the CTRB and non CTRB portions. Three basic approaches to apportionment were needed to complete the compliance review process: grant activity apportionment (PI), programmatic apportionment (Major Tenants and CRC) and individual effort apportionment (Minor Tenants and infrequent users).

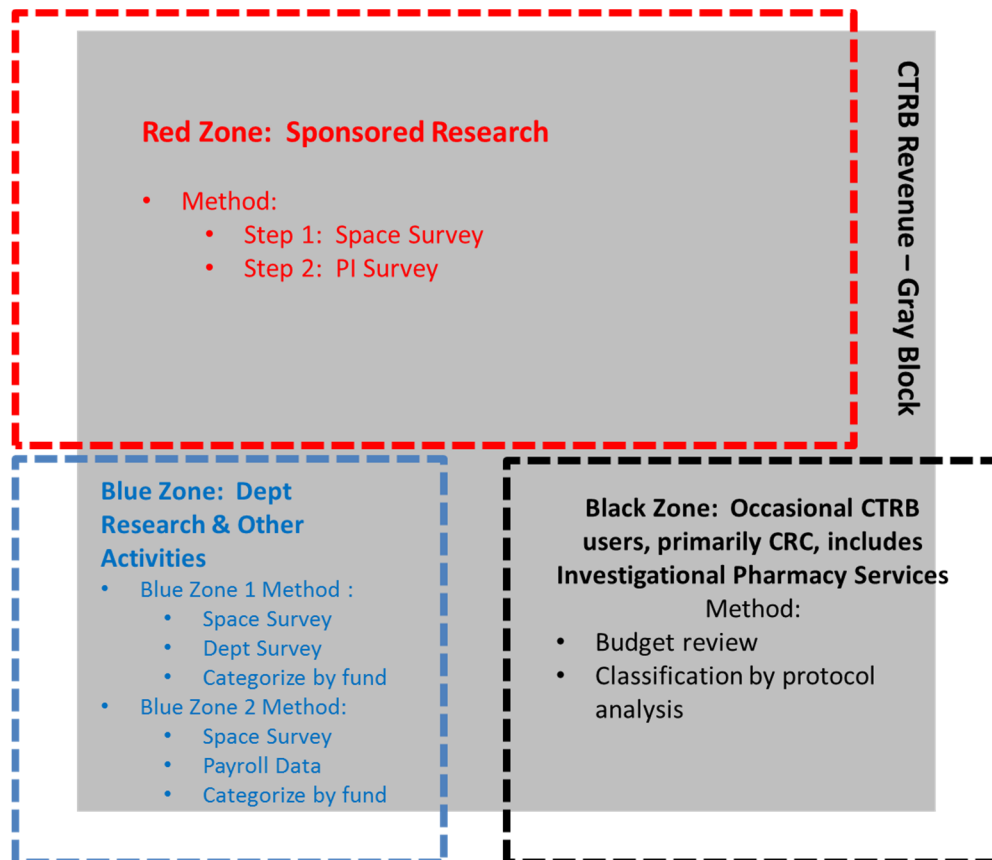
Note: Since apportionment requires judgment calls, the responsible individual with "the best view" of the distribution of activity in each situation was interviewed. For major grants the PI was surveyed directly though in some cases the grant administrator or project PI was allowed to submit a proxy response. Department heads or administrators were required to complete budget worksheets for revenue identified as general support. In a few instances of minor occupants and infrequent users, non-sponsored research categories, such as "department research" and "other support activities", from the space survey were examined to determine the best basis for CTRB use.

3) Disclosure and Safe Harbors

The UF Office of Research applied the Stanford University safe harbor rules to review and classify UF intellectual property right for funded research. Fund codes were used to classify the non-sponsored research activities as "good" or "bad" use.

CTRB Bond Certification Process

Diagram 1. Map of Revenue Zones for CTRB Bond Certification



Sponsored Research (Red Zone)

Data Collection Overview

- Obtain list of PeopleSoft (PS) project numbers and corresponding CTRB room numbers reported in CTRB space survey
- Merge PS project numbers with Sponsored Research (SR) Master database to obtain 22 additional data fields (see table 2)
- Merge Contract PI UFID to UF Directory to obtain Contract PI email
- Roll-up PS projects to the contract (aka “parent”) level and load contract information to Qualtrics survey (see table 3)
- Field Qualtrics survey to collect 4 additional data elements

- Apply “% activity in CTRB” to total award amount (less sub-contracts) to calculate qualified research revenue for sponsored activities in CTRB (i.e. grants or contracts with a PS project number reported in space survey)

Algorithm

Total Award: Amount in Dollars Awarded for Fiscal Year 2013-14
Source: UF Office of Research – Sponsored Research Data

PctCTRB: Percentage of Award Activity in the CTRB
Source: Principal Investigator Qualtrics Survey

CTRB_Activity_Amount: Amount in Dollars of Activity in CTRB
Calculated: Adjusted Award * PctCTRB

Safe_Harbor_Use: 1=meets requirements for “Good Use”, 0=Otherwise
Source: Contract Review by Office of Research

CTRB_Good_Use: Amount in Dollars of “Good Use” Activity in CTRB
Calculated: CTRB_Activity_Amount * Safe_Harbor_Use

Good Use Proportion: Percentage of CTRB activity assigned to “Good Use”
Calculated: CTRB_Good_Use / CTRB_Activity_Amount

Good_Use Proportion:
$$\frac{(\text{Total_Award} - \text{SubAward}) * \text{PctCTRB} * \text{Safe_Harbor_Use}}{(\text{Total_Award} - \text{SubAward}) * \text{PctCTRB}}$$

Other Support (Blue Zone)

Data Collection Overview

- Purpose: identify additional support that should count as “qualified research revenue” but is not assigned a PeopleSoft project number from the Office of Research (i.e. 171 funds)
- Data process divided into two groups based on square footage (see table 1):
 - **Blue Zone 1:** Departments that occupy >14% of the north wing will review department operating budget for the reporting year and submit the following in an excel file:
 - Identify support for research activity that is not funded by grants or contracts
 - Apportion the % of activity in the building
 - Apply % activity to budgeted amount (this is amount that counts as QRR)
 - Classify good vs. bad using fund code definitions (see table 4)
 - **Blue Zone 2:** Departments that occupy <9% of the north wing will use “department research” and “OSA” categories in the space survey to:
 - Use DR and OSA % as proxy for % activity in the building
 - Use primary room occupant earnings as proxy for qualified research revenue
 - Classify good vs. bad using fund code definitions (see table 4)

Blue Zone 2 Algorithm

Salary Paid: Amount paid in Salary for time period

Fringe Paid: Amount of Fringe Benefits paid in time period

Fund_Mask: 1 if Fund Code is “Good” Use, 0 otherwise

Omit_Rec: 1 if record is to be Omitted (0 Otherwise) Added to remove funds counted in RedZone.

DR_11: Proportion of Payment attributable to department research
Source: UF Payroll File

OSA_17: Proportion of Payment attributable to other sponsored activities
Source: UF Payroll File

Qualified Total Paid: Amount of Salary and Fringe Paid classified as Qualified Revenue
Calculated: $(\text{Salary_Paid} + \text{Fringe_Paid}) \times (\text{DR_11_1} + \text{OSA_17_1})$

Qualified Good: Total Salary & Fringe Paid where Fund_Mask=1 (Good Use Funds)
Calculated: $\text{Qualified Total Paid} \times \text{Fund_Mask}$

Proportion of Good Use: Percentage of Activity in CTRB Attributed to “Good” Use
Calculated: $\frac{\text{Qualified Good}}{\text{Qualified Total Paid}}$

Using only records where Omit_Rec=0 , calculate:

$$\frac{(\text{Salary_Paid} + \text{Fringe_Paid}) \times (\text{DR_11} + \text{OSA} + 17) \times \text{Fund_Mask}}{(\text{Salary_Paid} + \text{Fringe_Paid}) \times (\text{DR_11} + \text{OSA} + 17)}$$

Clinical Research Center (Black Zone)

Revenues generated from Clinical Research Center (CRC) that are not identified in the “grants and contracts” or “other support” data collection efforts are also classified as Good / Bad Use based on Sponsor type or determination by the Division of Sponsored programs. Investigational Pharmacy Service previously reported as the “Olive Zone” are now included in the CRC (Black Zone) revenues.

CTRB Bond Certification Results Summary 2016

Table 1: Summary data by Zone (2016)

2016	Total Research Revenue	Amount in CTRB	Good Use	Bad Use	% Good Use
Red Zone: Sponsored Research	\$154,489,936	\$75,903,820	\$67,923,930	\$7,979,890	89.5%
Blue Zone 1: High Occupancy Depts	\$8,463,710	\$5,986,474	\$5,376,971	\$609,503	89.8%
Blue Zone 2: Low Occupancy Depts	\$5,062,469	\$318,250	\$306,819	\$11,432	96.4%
Black Zone: Clinical Research Center	\$751,244	\$751,244	\$405,339	\$345,904	54.0%
Total	\$168,767,359	\$82,959,788	\$74,013,059	\$8,946,729	89.2%

Table 2: square footage by building occupant (2016)

Occupant Department	Total Sq Ft	% of Total	Occupant Type
MD-CTSI (includes CRC)	14,206	39.9%	Major
PHHP-COM EPIDEMIOLOGY	5,647	15.9%	Major
PHHP-COM BIostatISTICS	4,695	13.2%	Major
MD-HEALTH OUTCOMES AND POLICY	3,476	9.8%	Minor
HP-PHYSICAL THERAPY	2,222	6.2%	Minor
MD-MEDICINE	2,063	5.8%	Minor
MD-PEDIATRICS	1,794	5.0%	Minor
DN-COMMUNITY BASED PROGRAMS	894	2.5%	Minor
PPD-OPER HC FACILITIES	284	0.8%	Minor
PH-PHARMTherapy TRNSL RSCH	152	0.4%	Minor
MD-COM DEAN'S OFFICE	114	0.3%	Minor
PPD-OPER HC SYSTEMS	63	0.2%	Minor

Table 3: Blue Zones 1 & 2 Fund Code Classification

Fund_Codes	Fund Code Description	Good/Bad?
101	E&G-GEN REV - MAIN CAMPUS State Appropriations	GOOD
102	E&G-GEN REV – HSC State Appropriations	GOOD
106	E&G-GEN REV UF ON-LINE State Appropriations – UF Online	GOOD
107	E&G-GEN REV-PREEMINENCE This fund will be used to budget and track expenditures from State Preeminence funds.	GOOD
143	AUX - DOCE FUND Division of Continuing Education (DCE)	GOOD
149	AUX - OTHER FUNDS Current unrestricted fund used to account for sales of goods and services to faculty, staff and students.	BAD
151	AUX - WORKING CAPITAL TR FD Current unrestricted fund used to account for the auxiliary-related financial transactions of the Physical Plant Division.	BAD
171	TFRS FR COMPONENTS A current restricted fund used to account for monies received from the University of Florida's component units (e.g DSOs).	GOOD
175	UF STRATEGIC FUND NONRESEARCH This fund was established to support strategic initiatives that are not restricted for research.	BAD
179	OTHER MISC DONATIONS A current unrestricted fund used to record incidental revenues from various unrestricted sources. There are no external requirements placed on the money in this fund.	GOOD
182	IFAS - EXT SVC INCIDENTAL TF A current unrestricted fund established to support the Extension function of UF/IFAS. Revenues are from the sale of Extension publications, products, and programs, and fees for diagnostic testing.	BAD
191	STUDENT GOVT FUNDS A current unrestricted fund established for the collection of student activity fees.	BAD
194	PAYROLL FUND A 'holding' fund used by University Payroll and University Tax Services, to process payroll and tax related transactions that cannot be immediately posted to the appropriate cost center. These deposits and expenses are distributed to the appropriate cost center after they are reconciled.	GOOD
201	C&G - FEDERAL RESTRICTED A restricted fund used to account for Federal and Federal flow thru contracts and grants related to research, training,	REMOVE

Fund_Codes	Fund Code Description	Good/Bad?
	or other sponsored activities.	
209	C&G - OTHER RESTRICTED A restricted fund used to record contracts and grants from State, corporate, and private sources for research, training, and other sponsored activities.	REMOVE
211	C&G - RETURNED OVERHEAD A restricted fund used to accumulate and manage all the earned overhead from research projects. These funds are to be used only in support of other research or sponsored training programs, as directed in Section 1004.22(5), Florida Statutes.	GOOD
212	C&G - RESIDUAL FUNDS A restricted fund used to record money from miscellaneous donors and earned residuals from research projects. These funds are to be used only in support of other research or sponsored training programs, as directed in Section 1004.22(5), Florida Statutes and by UF Policy.	GOOD
213	UFRF ALLOCATIONS A restricted fund used to accumulate and manage deposits from the direct support organization, UF Research Foundation (UFRF). These funds are restricted and are to be used in support of other research or sponsored training programs, as directed by UFRF.	GOOD
214	C&G NON FED CLINICAL TRIALS The C&G Non Fed Clinical Trials fund is a restricted fund that was established to support the University's Industry Sponsored Clinical Trial Business.	BAD
221	IFAS - EXP STAT FEDERAL TF A restricted fund used to record money from the Hatch Act Federal Appropriation. These funds are restricted to the research function	GOOD
279	RESTRICTED INCIDENTAL FUND A current restricted fund to place incidental revenues that are restricted to a specific department or purpose.	GOOD

Table 4: Safe Harbor Designation Summary from DSP (2016)

Prime Sponsor Type	Good Use	Bad Use	Total
ALL OTHER SOURCES	12	0	12
CORPORATIONS & COMPANIES	40	57	97
FEDERAL AGENCIES	136	0	136
FLORIDA STATE AGENCIES	5	0	5
FOUNDATIONS & SOCIETIES	29	2	31
Total Number of Awards	222	59	281

Table 5: Sponsors in “All Other Sources” Category (2016)

Sponsor Name	Number of Awards	Award Amount
CENTRO INTL DE AGRIC TROPICAL	1	\$91,588
FONDAZIONE M.I.S.I.	1	\$24,354
INTL VACCINE INSTITUTE	1	\$6,412
MULTIPLE SPONSORS	1	\$4,158,302
UF FOU	7	\$426,573
ZAYED UNIVERSITY	1	\$17,289
Total	12	\$4,724,519

Table 6: Summary of Survey Results by Contract Principal Investigator (2016)

Contract PI Name	Number of Awards	Amount in CTRB	Good Revenue	Bad Revenue	Percent Good
Adesogan, Adegbola	1	\$805	\$805	\$0	100.0%
Ashizawa, Tetsuo	1	\$57,000	\$57,000	\$0	100.0%
Atkinson, Mark	1	\$1,286	\$1,286	\$0	100.0%
Bihorac, Azra	1			\$0	0.0%
Borsa, Paul	1	\$0	\$0	\$0	0.0%
Brumback, Babette	1	\$244,374	\$244,374	\$0	100.0%
Byrne, Barry	36	\$1,482,271	\$460,605	\$1,021,666	31.1%
Cabrera, Roniel	2	\$14,449	\$0	\$14,449	0.0%
Campbell Thompson, Martha	1	\$38,714	\$38,714	\$0	100.0%
Cavallari, Larisa	1	\$351,683	\$351,683	\$0	100.0%
Chen, Xinguang	2	\$610,636	\$610,636	\$0	100.0%
Clark, Virginia	1	\$56,621	\$0	\$56,621	0.0%
Conrad, Kirk	1	\$170,526	\$170,526	\$0	100.0%
Cook, Robert	7	\$1,231,949	\$1,231,949	\$0	100.0%
Corti, Manuela	5	\$298,540	\$298,540	\$0	100.0%
Cottler, Linda	5	\$2,278,160	\$2,278,160	\$0	100.0%
Cusi, Kenneth	1	\$853,761	\$0	\$853,761	0.0%
Datta, Susmita	2	\$24,947	\$24,947	\$0	100.0%
Delcher, Philip	3	\$107,889	\$107,889	\$0	100.0%
Devidas, Meenakshi	2	\$0	\$0	\$0	0.0%
Ding, Mingzhou	1	\$6,680	\$6,680	\$0	100.0%
Ebner, Natalie	1	\$3,266	\$3,266	\$0	100.0%
Edison, Arthur	2	\$1,960,031	\$1,960,031	\$0	100.0%
Efron, Philip	1	\$0	\$0	\$0	0.0%
Elie, Marie	1	\$3,184	\$3,184	\$0	100.0%
Fillingim, Roger	6	\$3,252,655	\$3,252,655	\$0	100.0%

Contract PI Name	Number of Awards	Amount in CTRB	Good Revenue	Bad Revenue	Percent Good
Firpi-Morell, Roberto	2	\$183,620	\$0	\$183,620	0.0%
George, Steven	2	\$80,089	\$80,089	\$0	100.0%
Ghayee, Hans	1	\$12,032	\$0	\$12,032	0.0%
Goldberger, Bruce	1	\$56,952	\$56,952	\$0	100.0%
Golde, Todd	1	\$1,506,714	\$1,506,714	\$0	100.0%
Goodenow, Maureen	1	\$278	\$278	\$0	100.0%
Guo, Yi	1	\$35,051	\$0	\$35,051	0.0%
Gurka, Matthew	1	\$670,832	\$670,832	\$0	100.0%
Haller, Michael	9	\$4,269,385	\$4,269,385	\$0	100.0%
Harle, Christopher	1	\$13,284	\$13,284	\$0	100.0%
Harrison, Jeffrey	1	\$73	\$73	\$0	100.0%
Hegland, Karen	1	\$990	\$990	\$0	100.0%
Henken, Robin	1	\$0	\$0	\$0	0.0%
Hogan, William	2	\$273,852	\$273,852	\$0	100.0%
Horgas, Ann	1	\$0	\$0	\$0	0.0%
Jeong, Kwang	1	\$597	\$597	\$0	100.0%
Johnson, Julie	1	\$2,705	\$2,705	\$0	100.0%
Kairalla, John	3	\$80,842	\$80,842	\$0	100.0%
Kang, Peter	1	\$10,517	\$0	\$10,517	0.0%
Karst, Stephanie	1	\$0	\$0	\$0	0.0%
Khan, Maria	1	\$1,472,312	\$1,472,312	\$0	100.0%
Kim, Jae	2	\$2,390	\$2,390	\$0	100.0%
Komro, Kelli	1	\$46,009	\$46,009	\$0	100.0%
Li, Qihong	1	\$354	\$354	\$0	100.0%
Liang, Faming	1	\$15,834	\$15,834	\$0	100.0%
Licht, Jonathan	1	\$3,000	\$3,000	\$0	100.0%
Limacher, Marian	1	\$482	\$482	\$0	100.0%
Longini, Ira	1	\$641	\$641	\$0	100.0%
Lott, Donovan	1	\$198,417	\$198,417	\$0	100.0%
Lu, Xiaomin	1			\$0	0.0%
Mai, Volker	4	\$20,179	\$20,179	\$0	100.0%
Maldonado Molina, Mildred	4	\$119,370	\$119,370	\$0	100.0%
Mann, William	1	\$137,162	\$137,162	\$0	100.0%
Masters, Forrest	1	\$22,436	\$22,436	\$0	100.0%
McCormack, Wayne	1	\$22,972	\$22,972	\$0	100.0%
Modave, Francois	1	\$56,046	\$56,046	\$0	100.0%
Moore, Frederick	3	\$0	\$0	\$0	0.0%
Morelli, Giuseppe	6	\$330,404	\$0	\$330,404	0.0%
Morris, John	2	\$150	\$150	\$0	100.0%
Moseley, Ray	1	\$864	\$864	\$0	100.0%

Contract PI Name	Number of Awards	Amount in CTRB	Good Revenue	Bad Revenue	Percent Good
Muller, Keith	3	\$459,631	\$459,631	\$0	100.0%
Murphy-Menezes, Megan	1	\$385	\$385	\$0	100.0%
Nelson, David	30	\$29,620,675	\$28,403,773	\$1,216,902	95.9%
Nixon, Sara	2	\$2,722	\$2,722	\$0	100.0%
Odedina, Folakemi	1	\$144	\$144	\$0	100.0%
Parker, Leslie	1	\$155,465	\$155,465	\$0	100.0%
Pearson, Thomas	2	\$98,111	\$98,111	\$0	100.0%
Pepine, Carl	1	\$628	\$628	\$0	100.0%
Price, Catherine	1	\$3,225	\$3,225	\$0	100.0%
Prosperi, Mattia	1	\$24,354	\$24,354	\$0	100.0%
Qiu, Peihua	4	\$356,029	\$356,029	\$0	100.0%
Riley, Joseph	2	\$771,100	\$771,100	\$0	100.0%
Russo, Sandra	1	\$22,897	\$22,897	\$0	100.0%
Sadasivan, Donna	1	\$3,347	\$3,347	\$0	100.0%
Salemi, Marco	1			\$0	0.0%
Salloum, Ramzi	4	\$101,166	\$101,166	\$0	100.0%
Sawyer, Wallace	1	\$0	\$0	\$0	0.0%
Scarpace, Philip	1	\$0	\$0	\$0	0.0%
Schatz, Desmond	8	\$1,986,471	\$1,980,330	\$6,141	99.7%
Shenkman, Elizabeth	12	\$10,981,025	\$8,508,065	\$2,472,960	77.5%
Shuster, Jonathan	1	\$2,250	\$2,250	\$0	100.0%
Silverstein, Janet	1	\$2,460	\$2,460	\$0	100.0%
Smith, Barbara	4	\$183,576	\$149,265	\$34,311	81.3%
Staras, Stephanie	2	\$154,776	\$154,776	\$0	100.0%
Subramony, Sankarasubramon	2	\$47,899	\$0	\$47,899	0.0%
Sweeney, Hugh	1	\$220,188	\$220,188	\$0	100.0%
Tighe, Patrick	1	\$2,574	\$2,574	\$0	100.0%
Tisher, Charles	2	\$28,781	\$28,781	\$0	100.0%
Vandenborne, Krista	18	\$4,248,806	\$2,589,631	\$1,659,175	60.9%
Wagenaar, Alexander	1	\$4,666	\$4,666	\$0	100.0%
Walter, Glenn	3	\$1,175,808	\$1,175,808	\$0	100.0%
Wheeler, Timothy	2	\$2,736	\$2,736	\$0	100.0%
Whitehead, Nicole	1	\$1,919	\$1,919	\$0	100.0%
Williamson, John	1	\$43,584	\$43,584	\$0	100.0%
Wu, Samuel	3	\$119,603	\$119,603	\$0	100.0%
Xu, Xiaohui	1	\$350,657	\$350,657	\$0	100.0%
Yang, Yang	1	\$18,687	\$18,687	\$0	100.0%
Yilmaz, Ozlem	1	\$0	\$0	\$0	0.0%
Zou, Fei	2	\$20,415	\$20,415	\$0	100.0%