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Return of Private Foundation
or Section 4947(a)(1) Nonexempt Charitable Trust
Treated as a Private Foundation

OMB No 1545-0052

2010

Department of the Treasury
Internal Revenue Service

Note: The foundation may be able to use a copy of this return to satisfy state reporting requirements

For calendar year 2010, or tax year beginning Sep 1, 2010, and ending Aug 31, 2011

G Check all that apply: ☐ Initial return ☐ Initial Return of a former public charity ☐ Final return
☐ Amended return ☐ Address change ☐ Name change

Name of foundation

The Robert A. Welch Foundation

Number and street (or P.O. box number if mail is not delivered to street address)

5555 San Felipe

Room/suite

1900

City or town

Houston

State

TX

ZIP code
77056-2730H Check type of organization: ☒ Section 501(c)(3) exempt private foundation☐ Section 4947(a)(1) nonexempt charitable trust ☐ Other taxable private foundationI Fair market value of all assets at end of year
(from Part II, column (c), line 16)

\$ 593,127,093.

J Accounting method: ☒ Cash ☐ Accrual
☐ Other (specify)

(Part I, column (d) must be on cash basis)

A Employer identification number

76-0343128

B Telephone number (see the instructions)

(713) 961-9884

C If exemption application is pending, check here ☐D 1 Foreign organizations, check here ☐2 Foreign organizations meeting the 85% test, check here and attach computation ☐E If private foundation status was terminated under section 507(b)(1)(A), check here ☐F If the foundation is in a 60-month termination under section 507(b)(1)(B), check here ☐

Part I Analysis of Revenue and Expenses

(The total of amounts in columns (b), (c), and (d) may not necessarily equal the amounts in column (a) (see the instructions))

(a) Revenue and expenses per books

(b) Net investment income

(c) Adjusted net income

(d) Disbursements for charitable purposes (cash basis only)

REVENUE	1 Contributions, gifts, grants, etc., received (att sch)	0.		
	2 Ck ☒ if the foundn is not req to att Sch B			
	3 Interest on savings and temporary cash investments	2,406.	2,364.	
	4 Dividends and interest from securities	8,322,883.	13,030,316.	
	5a Gross rents	200.	200.	
	b Net rental income or (loss)	200.		
	6a Net gain/(loss) from sale of assets not on line 10	19,014,813.		
	b Gross sales price for all assets on line 6a	337,061,099.		
	7 Capital gain net income (from Part IV, line 2)		26,226,318.	
	8 Net short-term capital gain			
	9 Income modifications			
	10a Gross sales less returns and allowances			
b Less Cost of goods sold				
c Gross profit/(loss) (att sch)				
11 Other income (attach schedule)				
Schedule 8	4,229,937.	6,343,177.		
12 Total. Add lines 1 through 11	31,570,239.	45,602,375.		
ADMINISTRATIVE AND OPERATING EXPENSES	13 Compensation of officers, directors, trustees, etc	533,053.	329,313.	213,253.
	14 Other employee salaries and wages	500,690.	264,850.	238,585.
	15 Pension plans, employee benefits	264,755.	147,248.	112,440.
	16a Legal fees (attach schedule)	74,858.	67,002.	7,856.
	b Accounting fees (attach sch)	76,330.	38,165.	38,165.
	c Other prof fees (attach sch)	3,075,944.	3,296,093.	10,361.
	17 Interest			
	18 Taxes (attach schedule)(see instr) Schedule 2	373,973.	644,494.	
	19 Depreciation (attach sch) and depletion	10,772.	29,175.	
	20 Occupancy	157,046.	78,523.	78,523.
	21 Travel, conferences, and meetings	21,216.	15,166.	2,835.
	22 Printing and publications	33,295.	3,330.	29,966.
23 Other expenses (attach schedule)				
Schedule 3	691,157.	1,062,660.	540,830.	
24 Total operating and administrative expenses. Add lines 13 through 23	5,813,089.	5,976,019.	1,272,814.	
25 Contributions, gifts, grants paid	24,298,999.		29,768,696.	
26 Total expenses and disbursements. Add lines 24 and 25	30,112,088.	5,976,019.	31,041,510.	
27 Subtract line 26 from line 12:				
a Excess of revenue over expenses and disbursements	1,458,151.			
b Net investment income (if negative, enter -0-)		39,626,356.		
c Adjusted net income (if negative, enter -0-)				

Part II Balance Sheets		Attached schedules and amounts in the description column should be for end-of-year amounts only (See instructions)			Beginning of year	End of year	
		(a) Book Value	(b) Book Value	(c) Fair Market Value			
ASSETS	1	Cash — non-interest-bearing		3,700.	3,700.	3,700.	
	2	Savings and temporary cash investments		1,919,260.	6,481,724.	6,481,724.	
	3	Accounts receivable	316,415.				
		Less: allowance for doubtful accounts		341,227.	316,415.	316,415.	
	4	Pledges receivable					
		Less: allowance for doubtful accounts					
	5	Grants receivable					
	6	Receivables due from officers, directors, trustees, and other disqualified persons (attach schedule) (see the instructions)					
	7	Other notes and loans receivable (attach sch)					
		Less: allowance for doubtful accounts					
	8	Inventories for sale or use					
	9	Prepaid expenses and deferred charges					
	10a	Investments — U.S. and state government obligations (attach schedule) Sch. 4a	73,514,779.	79,411,932.	85,115,329.		
	b	Investments — corporate stock (attach schedule) Sch. 4b	293,768,338.	266,136,200.	295,442,213.		
	c	Investments — corporate bonds (attach schedule) Sch. 4c	24,510,143.	24,402,034.	33,205,699.		
	11	Investments — land, buildings, and equipment basis					
	Less: accumulated depreciation (attach schedule)						
12	Investments — mortgage loans						
13	Investments — other (attach schedule) Sch. 4c	136,425,400.	150,243,156.	170,077,059.			
14	Land, buildings, and equipment: basis	1,104,277.					
	Less: accumulated depreciation (attach schedule)	1,013,937.	73,337.	90,340.			
15	Other assets (describe Schedule 4)	2,228,579.	2,371,770.	2,394,614.			
16	Total assets (to be completed by all filers — see instructions. Also, see page 1, item I)	532,784,763.	529,457,271.	593,127,093.			
LIABILITIES	17	Accounts payable and accrued expenses		254,161.			
	18	Grants payable	11,537,500.	6,575,000.			
	19	Deferred revenue					
	20	Loans from officers, directors, trustees, & other disqualified persons					
	21	Mortgages and other notes payable (attach schedule)					
	22	Other liabilities (describe Schedule 4)	224,926.	861,856.			
	23	Total liabilities (add lines 17 through 22)	11,762,426.	7,691,017.			
NET ASSETS OR FUND BALANCES	Foundations that follow SFAS 117, check here and complete lines 24 through 26 and lines 30 and 31. ☒						
	24	Unrestricted		-11,256,374.	-5,952,503.		
	25	Temporarily restricted		474,667.	477,157.		
	26	Permanently restricted		531,804,044.	527,241,600.		
	Foundations that do not follow SFAS 117, check here and complete lines 27 through 31. ☐						
	27	Capital stock, trust principal, or current funds					
	28	Paid-in or capital surplus, or land, building, and equipment fund					
	29	Retained earnings, accumulated income, endowment, or other funds					
	30	Total net assets or fund balances (see the instructions)	521,022,337.	521,766,254.			
	31	Total liabilities and net assets/fund balances (see the instructions)	532,784,763.	529,457,271.			

Part III Analysis of Changes in Net Assets or Fund Balances

1	Total net assets or fund balances at beginning of year — Part II, column (a), line 30 (must agree with end-of-year figure reported on prior year's return)	1	521,022,337.
2	Enter amount from Part I, line 27a	2	1,458,151.
3	Other increases not included in line 2 (itemize) Schedule 5	3	177,041.
4	Add lines 1, 2, and 3	4	522,657,529.
5	Decreases not included in line 2 (itemize) Schedule 5	5	891,275.
6	Total net assets or fund balances at end of year (line 4 minus line 5) — Part II, column (b), line 30	6	521,766,254.

Part IV Capital Gains and Losses for Tax on Investment Income

(a) List and describe the kind(s) of property sold (e.g., real estate, 2-story brick warehouse, or common stock, 200 shares MLC Company)	(b) How acquired P — Purchase D — Donation	(c) Date acquired (month, day, year)	(d) Date sold (month, day, year)
1a See Schedule 7			
b			
c			
d			
e			

(e) Gross sales price	(f) Depreciation allowed (or allowable)	(g) Cost or other basis plus expense of sale	(h) Gain or (loss) (e) plus (f) minus (g)
a			
b			
c			
d			
e			

Complete only for assets showing gain in column (h) and owned by the foundation on 12/31/69			(i) Gains (Column (h) gain minus column (k), but not less than -0-) or Losses (from column (h))
(i) Fair Market Value as of 12/31/69	(j) Adjusted basis as of 12/31/69	(k) Excess of column (i) over column (j), if any	
a			
b			
c			
d			
e			

2 Capital gain net income or (net capital loss)	— [If gain, also enter in Part I, line 7 If (loss), enter -0- in Part I, line 7]	2	26,226,318.
3 Net short-term capital gain or (loss) as defined in sections 1222(5) and (6)	— [If gain, also enter in Part I, line 8, column (c) (see the instructions) If (loss), enter -0- in Part I, line 8]	3	7,573,954.

Part V Qualification Under Section 4940(e) for Reduced Tax on Net Investment Income

(For optional use by domestic private foundations subject to the section 4940(a) tax on net investment income.)

If section 4940(d)(2) applies, leave this part blank

Was the foundation liable for the section 4942 tax on the distributable amount of any year in the base period?

☐ Yes ☒ No

If 'Yes,' the foundation does not qualify under section 4940(e). Do not complete this part.

1 Enter the appropriate amount in each column for each year, see the instructions before making any entries.

(a) Base period years Calendar year (or tax year beginning in)	(b) Adjusted qualifying distributions	(c) Net value of noncharitable-use assets	(d) Distribution ratio (column (b) divided by column (c))
2009	27,715,253.	555,664,895.	0.049878
2008	24,539,316.	491,641,819.	0.049913
2007	32,296,476.	658,758,417.	0.049026
2006	31,821,365.	658,601,889.	0.048317
2005	29,379,484.	606,310,815.	0.048456

2 Total of line 1, column (d)	2	0.245590
3 Average distribution ratio for the 5-year base period — divide the total on line 2 by 5, or by the number of years the foundation has been in existence if less than 5 years	3	0.049118
4 Enter the net value of noncharitable-use assets for 2010 from Part X, line 5	4	610,340,305.
5 Multiply line 4 by line 3	5	29,978,695.
6 Enter 1% of net investment income (1% of Part I, line 27b)	6	396,264.
7 Add lines 5 and 6	7	30,374,959.
8 Enter qualifying distributions from Part XII, line 4	8	31,053,648.

If line 8 is equal to or greater than line 7, check the box in Part VI, line 1b, and complete that part using a 1% tax rate. See the Part VI instructions.

Part VII Excise Tax Based on Investment Income (Section 4940(a), 4940(b), 4940(e), or 4948 – see the instructions)

1 a Exempt operating foundations described in section 4940(d)(2), check here ☐ and enter 'N/A' on line 1			
Date of ruling or determination letter. _____ (attach copy of letter if necessary – see instr.)			
b Domestic foundations that meet the section 4940(e) requirements in Part V, check here ☒ and enter 1% of Part I, line 27b		1	396,264.
c All other domestic foundations enter 2% of line 27b. Exempt foreign organizations enter 4% of Part I, line 12, column (b)			
2 Tax under section 511 (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)		2	0.
3 Add lines 1 and 2		3	396,264.
4 Subtitle A (income) tax (domestic section 4947(a)(1) trusts and taxable foundations only. Others enter -0-)		4	0.
5 Tax based on investment income. Subtract line 4 from line 3. If zero or less, enter -0-.		5	396,264.
6 Credits/Payments:			
a 2010 estimated tax pmts and 2009 overpayment credited to 2010	6a	567,026.	
b Exempt foreign organizations – tax withheld at source	6b		
c Tax paid with application for extension of time to file (Form 8868)	6c		
d Backup withholding erroneously withheld	6d		
7 Total credits and payments. Add lines 6a through 6d	7	567,026.	
8 Enter any penalty for underpayment of estimated tax. Check here ☐ if Form 2220 is attached	8		
9 Tax due. If the total of lines 5 and 8 is more than line 7, enter amount owed	9		
10 Overpayment. If line 7 is more than the total of lines 5 and 8, enter the amount overpaid	10	170,762.	
11 Enter the amount of line 10 to be Credited to 2011 estimated tax	11	170,762.	Refunded

Part VIII Statements Regarding Activities

	Yes	No
1 a During the tax year, did the foundation attempt to influence any national, state, or local legislation or did it participate or intervene in any political campaign?		X
b Did it spend more than \$100 during the year (either directly or indirectly) for political purposes (see the instructions for definition)?		X
If the answer is 'Yes' to 1a or 1b, attach a detailed description of the activities and copies of any materials published or distributed by the foundation in connection with the activities		
c Did the foundation file Form 1120-POL for this year?		X
d Enter the amount (if any) of tax on political expenditures (section 4955) imposed during the year: (1) On the foundation \$ _____ (2) On foundation managers \$ _____		
e Enter the reimbursement (if any) paid by the foundation during the year for political expenditure tax imposed on foundation managers \$ _____		
2 Has the foundation engaged in any activities that have not previously been reported to the IRS? If 'Yes,' attach a detailed description of the activities		X
3 Has the foundation made any changes, not previously reported to the IRS, in its governing instrument, articles of incorporation, or bylaws, or other similar instruments? If 'Yes,' attach a conformed copy of the changes		X
4 a Did the foundation have unrelated business gross income of \$1,000 or more during the year?		X
b If 'Yes,' has it filed a tax return on Form 990-T for this year?		
5 Was there a liquidation, termination, dissolution, or substantial contraction during the year? If 'Yes,' attach the statement required by General Instruction T		X
6 Are the requirements of section 508(e) (relating to sections 4941 through 4945) satisfied either: • By language in the governing instrument, or • By state legislation that effectively amends the governing instrument so that no mandatory directions that conflict with the state law remain in the governing instrument?	X	
7 Did the foundation have at least \$5,000 in assets at any time during the year? If 'Yes,' complete Part II, column (c), and Part XV	X	
8 a Enter the states to which the foundation reports or with which it is registered (see the instructions) TX - Texas		
b If the answer is 'Yes' to line 7, has the foundation furnished a copy of Form 990-PF to the Attorney General (or designate) of each state as required by General Instruction G? If 'No,' attach explanation	X	
9 Is the foundation claiming status as a private operating foundation within the meaning of section 4942(j)(3) or 4942(j)(5) for calendar year 2010 or the taxable year beginning in 2010 (see instructions for Part XIV)? If 'Yes,' complete Part XIV		X
10 Did any persons become substantial contributors during the tax year? If 'Yes,' attach a schedule listing their names and addresses		X

Part VII-A Statements Regarding Activities (Continued)

11	At any time during the year, did the foundation, directly or indirectly, own a controlled entity within the meaning of section 512(b)(13)? If 'Yes', attach schedule (see instructions).	11		X
12	Did the foundation acquire a direct or indirect interest in any applicable insurance contract before August 17, 2008?	12		X
13	Did the foundation comply with the public inspection requirements for its annual returns and exemption application? Website address <u>welch1.org</u>	13	X	
14	The books are in care of <u>Norbert Ditttrich</u> Telephone no <u>(713) 961-9884</u> Located at <u>5555 San Felipe, Suite 1900 Houston TX</u> ZIP + 4 <u>77056-2730</u>			
15	Section 4947(a)(1) nonexempt charitable trusts filing Form 990-PF in lieu of Form 1041 - Check here ☐ and enter the amount of tax-exempt interest received or accrued during the year <u>15</u>			
16	At any time during calendar year 2010, did the foundation have an interest in or a signature or other authority over a bank, securities, or other financial account in a foreign country?	16	Yes	No
	See the instructions for exceptions and filing requirements for Form TD F 90-22.1 If 'Yes,' enter the name of the foreign country			X

Part VII-B Statements Regarding Activities for Which Form 4720 May Be Required

File Form 4720 if any item is checked in the 'Yes' column, unless an exception applies.

	Yes	No
1a During the year did the foundation (either directly or indirectly):		
(1) Engage in the sale or exchange, or leasing of property with a disqualified person?	☐ Yes ☒ No	
(2) Borrow money from, lend money to, or otherwise extend credit to (or accept it from) a disqualified person?	☐ Yes ☒ No	
(3) Furnish goods, services, or facilities to (or accept them from) a disqualified person?	☐ Yes ☒ No	
(4) Pay compensation to, or pay or reimburse the expenses of, a disqualified person?	☒ Yes ☐ No	
(5) Transfer any income or assets to a disqualified person (or make any of either available for the benefit or use of a disqualified person)?	☐ Yes ☒ No	
(6) Agree to pay money or property to a government official? (Exception. Check 'No' if the foundation agreed to make a grant to or to employ the official for a period after termination of government service, if terminating within 90 days.)	☐ Yes ☒ No	
b If any answer is 'Yes' to 1a(1)-(6), did any of the acts fail to qualify under the exceptions described in Regulations section 53.4941(d)-3 or in a current notice regarding disaster assistance (see the instructions)? Organizations relying on a current notice regarding disaster assistance check here ☐	1b	X
c Did the foundation engage in a prior year in any of the acts described in 1a, other than excepted acts, that were not corrected before the first day of the tax year beginning in 2010?	1c	X
2 Taxes on failure to distribute income (section 4942) (does not apply for years the foundation was a private operating foundation defined in section 4942(j)(3) or 4942(j)(5)).		
a At the end of tax year 2010, did the foundation have any undistributed income (lines 6d and 6e, Part XIII) for tax year(s) beginning before 2010? If 'Yes,' list the years <u>20__</u> , <u>20__</u> , <u>20__</u> , <u>20__</u>	☐ Yes ☒ No	
b Are there any years listed in 2a for which the foundation is not applying the provisions of section 4942(a)(2) (relating to incorrect valuation of assets) to the year's undistributed income? (If applying section 4942(a)(2) to all years listed, answer 'No' and attach statement - see the instructions.)	2b	
c If the provisions of section 4942(a)(2) are being applied to any of the years listed in 2a, list the years here. <u>20__</u> , <u>20__</u> , <u>20__</u> , <u>20__</u>		
3a Did the foundation hold more than a 2% direct or indirect interest in any business enterprise at any time during the year?	☒ Yes ☐ No	
b If 'Yes,' did it have excess business holdings in 2010 as a result of (1) any purchase by the foundation or disqualified persons after May 26, 1969, (2) the lapse of the 5-year period (or longer period approved by the Commissioner under section 4943(c)(7)) to dispose of holdings acquired by gift or bequest, or (3) the lapse of the 10-, 15-, or 20-year first phase holding period? (Use Schedule C, Form 4720, to determine if the foundation had excess business holdings in 2010.)	3b	X
4a Did the foundation invest during the year any amount in a manner that would jeopardize its charitable purposes?	4a	X
b Did the foundation make any investment in a prior year (but after December 31, 1969) that could jeopardize its charitable purpose that had not been removed from jeopardy before the first day of the tax year beginning in 2010?	4b	X

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Part VII-B Statements Regarding Activities for Which Form 4720 May Be Required (continued)**5a** During the year did the foundation pay or incur any amount to:

(1) Carry on propaganda, or otherwise attempt to influence legislation (section 4945(e))?

☐ Yes ☒ No

(2) Influence the outcome of any specific public election (see section 4955), or to carry on, directly or indirectly, any voter registration drive?

☐ Yes ☒ No

(3) Provide a grant to an individual for travel, study, or other similar purposes?

☐ Yes ☒ No

(4) Provide a grant to an organization other than a charitable, etc., organization described in section 509(a)(1), (2), or (3), or section 4940(d)(2)? (see instructions)

☐ Yes ☒ No

(5) Provide for any purpose other than religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals?

☐ Yes ☒ No**b** If any answer is 'Yes' to 5a(1)-(5), did any of the transactions fail to qualify under the exceptions described in Regulations section 53.4945 or in a current notice regarding disaster assistance (see instructions)?

Organizations relying on a current notice regarding disaster assistance check here

☐**c** If the answer is 'Yes' to question 5a(4), does the foundation claim exemption from the tax because it maintained expenditure responsibility for the grant?☐ Yes ☐ No

If 'Yes,' attach the statement required by Regulations section 53.4945-5(d)

6a Did the foundation, during the year, receive any funds, directly or indirectly, to pay premiums on a personal benefit contract?☐ Yes ☒ No**b** Did the foundation, during the year, pay premiums, directly or indirectly, on a personal benefit contract?

If 'Yes' to 6b, file Form 8870

7a At any time during the tax year, was the foundation a party to a prohibited tax shelter transaction?☐ Yes ☒ No**b** If yes, did the foundation receive any proceeds or have any net income attributable to the transaction?

5b

6b

7b

X

Part VIII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors**1** List all officers, directors, trustees, foundation managers and their compensation (see instructions).

(a) Name and address	(b) Title and average hours per week devoted to position	(c) Compensation (If not paid, enter -0-)	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
See schedule 6				

2 Compensation of five highest-paid employees (other than those included on line 1— see instructions). If none, enter 'NONE.'

(a) Name and address of each employee paid more than \$50,000	(b) Title and average hours per week devoted to position	(c) Compensation	(d) Contributions to employee benefit plans and deferred compensation	(e) Expense account, other allowances
Ronald G. Page 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Controller 40.00	155,648.	6,903.	1,264.
Carolyn Kahlich 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Sr. Acct. & Sys. Adm. 40.00	103,276.	4,611.	279.
Kathy Kirk 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Adm. Asst. 40.00	82,898.	3,709.	713.
Carla Atmar 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Grant Prog. Coordinator 40.00	81,360.	3,609.	135.
Sherry White 5555 San Felipe, Suite 1900 Houston TX 77056-2730	Staff Acct. 40.00	61,096.	2,720.	168.

Total number of other employees paid over \$50,000

▶

None

Part VIII Information About Officers, Directors, Trustees, Foundation Managers, Highly Paid Employees, and Contractors (continued)

3 Five highest-paid independent contractors for professional services (see instructions). If none, enter 'NONE'.

(a) Name and address of each person paid more than \$50,000	(b) Type of service	(c) Compensation
Wellington Trust Company, NA 75 State Street Boston MA 02109	Investment Manager	646,039.
Silchester International Investors 780 Third Avenue, 42nd Floor New York NY 10017	Investment Manager	520,926.
RWF Fund, LP 100 Summer Street Boston MA 02110	Investment Manager	457,383.
Iridian Asset Management LLC 276 Post Road West Westport CT 06880	Investment Manager	352,072.
Eagle Capital Management 499 Park Avenue, 17th Floor New York NY 10022	Investment Manager	180,178.
Total number of others receiving over \$50,000 for professional services		10

Part IX A Summary of Direct Charitable Activities

List the foundation's four largest direct charitable activities during the tax year. Include relevant statistical information such as the number of organizations and other beneficiaries served, conferences convened, research papers produced, etc.

	Expenses
1 The Robert A. Welch Foundation Award in Chemistry (Schedule 10)	739,910.
2 The 54th Annual Robert A. Welch Foundation Conference on Chemical Research (approximately 449 attendees)	343,320.
3 Norman Hackerman Award in Chemical Research (schedule 10)	231,357.
4	

Part IX B Summary of Program-Related Investments (see instructions)

Describe the two largest program-related investments made by the foundation during the tax year on lines 1 and 2.	Amount
1	
2	
All other program-related investments See instructions.	
3	
Total. Add lines 1 through 3	

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Part X Minimum Investment Return (All domestic foundations must complete this part. Foreign foundations, see instructions.)

1	Fair market value of assets not used (or held for use) directly in carrying out charitable, etc., purposes:		
a	Average monthly fair market value of securities	1a	611,724,139.
b	Average of monthly cash balances	1b	388,062.
c	Fair market value of all other assets (see instructions)	1c	7,522,626.
d	Total (add lines 1a, b, and c)	1d	619,634,827.
e	Reduction claimed for blockage or other factors reported on lines 1a and 1c (attach detailed explanation)	1e	
2	Acquisition indebtedness applicable to line 1 assets	2	
3	Subtract line 2 from line 1d	3	619,634,827.
4	Cash deemed held for charitable activities. Enter 1-1/2% of line 3 (for greater amount, see instructions)	4	9,294,522.
5	Net value of noncharitable-use assets. Subtract line 4 from line 3. Enter here and on Part V, line 4	5	610,340,305.
6	Minimum investment return. Enter 5% of line 5	6	30,517,015.

Part XI Distributable Amount (see instructions) (Section 4942(j)(3) and (j)(5) private operating foundations and certain foreign organizations check here ☐ and do not complete this part.)

1	Minimum investment return from Part X, line 6	1	30,517,015.
2a	Tax on investment income for 2010 from Part VI, line 5	2a	396,264.
b	Income tax for 2010 (This does not include the tax from Part VI.)	2b	
c	Add lines 2a and 2b	2c	396,264.
3	Distributable amount before adjustments. Subtract line 2c from line 1	3	30,120,751.
4	Recoveries of amounts treated as qualifying distributions	4	535,209.
5	Add lines 3 and 4	5	30,655,960.
6	Deduction from distributable amount (see instructions)	6	
7	Distributable amount as adjusted. Subtract line 6 from line 5. Enter here and on Part XIII, line 1	7	30,655,960.

Part XII Qualifying Distributions (see instructions)

1	Amounts paid (including administrative expenses) to accomplish charitable, etc., purposes:		
a	Expenses, contributions, gifts, etc. — total from Part I, column (d), line 26	1a	31,041,510.
b	Program-related investments — total from Part IX-B	1b	
2	Amounts paid to acquire assets used (or held for use) directly in carrying out charitable, etc., purposes	2	12,138.
3	Amounts set aside for specific charitable projects that satisfy the:		
a	Suitability test (prior IRS approval required)	3a	
b	Cash distribution test (attach the required schedule)	3b	
4	Qualifying distributions. Add lines 1a through 3b. Enter here and on Part V, line 8, and Part XIII, line 4	4	31,053,648.
5	Foundations that qualify under section 4940(e) for the reduced rate of tax on net investment income. Enter 1% of Part I, line 27b (see instructions)	5	396,264.
6	Adjusted qualifying distributions. Subtract line 5 from line 4	6	30,657,384.

Note. The amount on line 6 will be used in Part V, column (b), in subsequent years when calculating whether the foundation qualifies for the section 4940(e) reduction of tax in those years.

Part XIII Undistributed Income (see instructions)

	(a) Corpus	(b) Years prior to 2009	(c) 2009	(d) 2010
1 Distributable amount for 2010 from Part XI, line 7				30,655,960.
2 Undistributed income, if any, as of the end of 2010:				
a Enter amount for 2009 only			24,579,478.	
b Total for prior years 20__, 20__, 20__				
3 Excess distributions carryover, if any, to 2010:				
a From 2005	0.			
b From 2006	0.			
c From 2007	0.			
d From 2008	0.			
e From 2009	0.			
f Total of lines 3a through e	0.			
4 Qualifying distributions for 2010 from Part XII, line 4: \$ 31,053,648.				
a Applied to 2009, but not more than line 2a			24,579,478.	
b Applied to undistributed income of prior years (Election required - see instructions)				
c Treated as distributions out of corpus (Election required - see instructions)				
d Applied to 2010 distributable amount				6,474,170.
e Remaining amount distributed out of corpus	0.			
5 Excess distributions carryover applied to 2010 (If an amount appears in column (d), the same amount must be shown in column (a).)				
6 Enter the net total of each column as indicated below:				
a Corpus Add lines 3f, 4c, and 4e Subtract line 5	0.			
b Prior years' undistributed income Subtract line 4b from line 2b		0.		
c Enter the amount of prior years' undistributed income for which a notice of deficiency has been issued, or on which the section 4942(a) tax has been previously assessed				
d Subtract line 6c from line 6b Taxable amount - see instructions		0.		
e Undistributed income for 2009. Subtract line 4a from line 2a. Taxable amount - see instructions			0.	
f Undistributed income for 2010 Subtract lines 4d and 5 from line 1. This amount must be distributed in 2011				24,181,790.
7 Amounts treated as distributions out of corpus to satisfy requirements imposed by section 170(b)(1)(F) or 4942(g)(3) (see instructions)				
8 Excess distributions carryover from 2005 not applied on line 5 or line 7 (see instructions)	0.			
9 Excess distributions carryover to 2011. Subtract lines 7 and 8 from line 6a	0.			
10 Analysis of line 9:				
a Excess from 2006	0.			
b Excess from 2007	0.			
c Excess from 2008	0.			
d Excess from 2009	0.			
e Excess from 2010	0.			

Part XIV Private Operating Foundations (see instructions and Part VII-A, question 9)

N/A

- 1a** If the foundation has received a ruling or determination letter that it is a private operating foundation, and the ruling is effective for 2010, enter the date of the ruling

- b** Check box to indicate whether the foundation is a private operating foundation described in section ☐ 4942(j)(3) or ☐ 4942(j)(5)

- 2a** Enter the lesser of the adjusted net income from Part I or the minimum investment return from Part X for each year listed

[illegible]

- b 85% of line 2a**

- c** Qualifying distributions from Part XII,
line 4 for each year listed

- d** Amounts included in line 2c not used directly for active conduct of exempt activities

- e** Qualifying distributions made directly
for active conduct of exempt activities
Subtract line 2d from line 2c

- 3 Complete 3a, b, or c for the alternative test relied upon

- a 'Assets' alternative test – enter

- (1) Value of all assets

- (2) Value of assets qualifying under section 4942(j)(3)(B)(i)**

- b** 'Endowment' alternative test — enter 2/3 of minimum investment return shown in Part X, line 6 for each year listed

- c 'Support' alternative test – enter:

- (1) Total support other than gross investment income (interest, dividends, rents, payments on securities loans (section 512(a)(5)), or royalties)

- (2) Support from general public and 5 or more exempt organizations as provided in section 4942(j)(3)(B)(iii)

- (3) Largest amount of support from an exempt organization**

- (4) Gross investment income**

Part XV **Supplementary Information** (Complete this part only if the organization had \$5,000 or more in assets at any time during the year – see instructions.)

1 Information Regarding Foundation Managers:

- a List any managers of the foundation who have contributed more than 2% of the total contributions received by the foundation before the close of any tax year (but only if they have contributed more than \$5,000). (See section 507(d)(2))

- b** List any managers of the foundation who own 10% or more of the stock of a corporation (or an equally large portion of the ownership of a partnership or other entity) of which the foundation has a 10% or greater interest

2 Information Regarding Contribution, Grant, Gift, Loan, Scholarship, etc, Programs:

Check here ☐ if the foundation only makes contributions to preselected charitable organizations and does not accept unsolicited requests for funds. If the foundation makes gifts, grants, etc. (see instructions) to individuals or organizations under other conditions, complete items 2a, b, c, and d.

- a** The name, address, and telephone number of the person to whom applications should be addressed.

The Robert A. Welch Foundation

5555 San Felipe, Suite 1900

Houston

TX

77056-2730

(713) 961-9884

- b** The form in which applications should be submitted and information and materials they should include

Schedule 10

- c Any submission deadlines:

Schedule 10

- d Any restrictions or limitations on awards, such as by geographical areas, charitable fields, kinds of institutions, or other factors:

Schedule 10

Part XV Supplementary Information (continued)**3 Grants and Contributions Paid During the Year or Approved for Future Payment**

Recipient Name and address (home or business)	If recipient is an individual, show any relationship to any foundation manager or substantial contributor	Foundation status of recipient	Purpose of grant or contribution	Amount
a Paid during the year See Schedule 9				29,768,696.
Total			3a	29,768,696.
b Approved for future payment See schedule 9				6,281,001.
Total			3b	6,281,001.

1 Did the organization directly or indirectly engage in any of the following with any other organization described in section 501(c) of the Code (other than section 501(c)(3) organizations) or in section 527, relating to political organizations?		Yes	No
a	Transfers from the reporting foundation to a noncharitable exempt organization of		
	(1) Cash	1a(1)	X
	(2) Other assets	1a(2)	X
b	Other transactions.		
	(1) Sales of assets to a noncharitable exempt organization	1b(1)	X
	(2) Purchases of assets from a noncharitable exempt organization	1b(2)	X
	(3) Rental of facilities, equipment, or other assets	1b(3)	X
	(4) Reimbursement arrangements	1b(4)	X
	(5) Loans or loan guarantees	1b(5)	X
	(6) Performance of services or membership or fundraising solicitations	1b(6)	X
c	Sharing of facilities, equipment, mailing lists, other assets, or paid employees	1c	X
d	If the answer to any of the above is "Yes," complete the following schedule. Column (b) should always show the fair market value of the goods, other assets, or services given by the reporting foundation. If the foundation received less than fair market value in any transaction or sharing arrangement, show in column (d) the value of the goods, other assets, or services received.		

b If "Yes," complete the following schedule		
(a) Name of organization	(b) Type of organization	(c) Description of relationship

Paid Preparer Use Only	Print/Type preparer's name	Preparer's signature	Date	Check ☐ if self-employed	PTIN
	Janet S. Wong	<i>Janet S. Wong</i>	6/12/12		P00854528
	Firm's name ▶ GRANT THORNTON LLP	Firm's EIN ▶ 36-6055558			
	Firm's address ▶ 333 CLAY STREET, SUITE 2700 HOUSTON, TX	77002	Phone no 832-476-3600		

Taxpayer's I.D.
76-0343128

Schedule 1

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2011

	Receipts and Expenses Per Book	Net Investment Income	For Exempt Purpose
Line 15			
Insurance	187,105	103,609	78,429
Payroll Taxes	47,006	26,749	20,257
Contribution to the Defined Contribution Plan	30,644	16,890	13,754
	<u>264,755</u>	<u>147,248</u>	<u>112,440</u>

Taxpayer's I.D.
76-0343128

Schedule 1a

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2011

	Receipts and Expenses Per Book	Net Investment Income	For Exempt Purpose
Line 16a - Legal Fees	74,858	67,002	7,856
Line 16b - Accounting Fees	76,330	38,165	38,165
Line 16c - Other Professional Fees			
Investment Advisors	2,816,149	3,045,149	
Custody Management Fee	48,237	48,237	
Investment Consulting	119,984	119,984	
Land and Royalty Consulting	61,800	61,800	
Other Misc. Professional Fees	29,774	20,923	10,361
	<u>3,075,944</u>	<u>3,296,093</u>	<u>10,361</u>

Taxpayer's I.D.
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Schedule 2

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2011

	Receipts and Expenses Per Book	Net Investment Income	For Exempt Purpose
Line 18 - Taxes			
Production	164,801	160,185	0
Ad Valorem	74,369	74,369	0
Federal Excise Tax	134,803	0	0
Foreign Taxes Paid	0	409,940	0
	<u>373,973</u>	<u>644,494</u>	<u>0</u>
Line 19 - Depreciation Depletion, and Amortization			
Depletion	0	12,351	0
Depreciation (Schedule 11)	10,772	16,824	0
	<u>10,772</u>	<u>29,175</u>	<u>0</u>

Taxpayer's I.D.
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Schedule 3

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2011

Line 23 - Other Expenses	Receipts and Expenses Per Book	Net Investment Income	For Exempt Purpose
Office Supplies	7,653	3,827	3,826
Dues and Subscriptions	26,005	11,985	14,020
Sundry	42,356	23,042	19,337
Postage	2,086	104	1,982
Insurance	87,872	50,237	34,554
Service Agreement	1,110	555	555
Visitation	2,660	0	2,660
Public Relations	856	86	770
Telephone	12,715	3,109	9,326
Computer Supplies & Maintenance	84,694	42,347	42,347
Advisory Board Fees & Expenses	369,210	0	369,210
Semiannual Meetings	30,547	0	30,547
Portfolio Deductions	0	915,671	0
Equipment Rental, Storage & Other Leases	23,393	11,697	11,696
	<u>691,157</u>	<u>1,062,660</u>	<u>540,830</u>

Taxpayer's I.D.
76-0343128

Schedule 4

The Robert A. Welch Foundation
990PF, page 2
Year Ended August 31, 2008

Part II, Line 14, Column (b)	Basis	Accumulated Depreciation	Net
Land, Buildings, and Equipment			
Leasehold Improvements	451,133	451,133	0
Furniture and Fixtures	385,787	329,253	56,534
Automobile	41,754	35,491	6,263
Hardware	99,755	72,212	27,543
Software	125,848	125,848	0
	<u>1,104,277</u>	<u>1,013,937</u>	<u>90,340</u>

Part II, Line 15, Column (b)	
Other Assets	
Custody Receivable	41,124
Other Receivables	22,493
Oil and Gas Royalties Receivable	239,648
Dividend Receivable	212,878
Interest Receivable	404,778
Prepaid Pension Costs	759,048
Prepaid FET	162,580
Section 10	477,157
Other Assets	52,064
	<u>2,371,770</u>

Part II, Line 22, Column (b)	
Other Liabilities	
Deferred Federal Tax Payable	861,856
	<u>861,856</u>

Amounts are reported at cost.

Taxpayer's I.D.
76-0343128

Schedule 5

The Robert A. Welch Foundation
990PF, page 2
Year Ended August 31, 2011

Part III, Line 5

Increase in Prepaid Pension	177,041
Federal Excise Tax Provision on Capital Gains	(891,275)

Taxpayer's I.D.
76-0343128

Schedule 6

The Robert A. Welch Foundation
990PF, page 6
Year Ended August 31, 2011

Part VIII, Line 1

Name/ Address	Title	Time Devoted	Compensation	Benefit Plans	Expense Account and Allowance
Ernest H. Cockrell 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730	Chairman & Director	6 hours	50,000	0	0
Wilhelmina E. Robertson 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730	Vice Chairman & Director	4 hours	35,000	0	0
Charles W. Tate 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730	Treasurer & Director	4 hours	35,000	0	0
James T. Hackett 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730	Secretary & Director	4 hours	35,000	0	0
Dennis R. Hendrix 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730	Director	4 hours	35,000	0	0
Norbert Dittrich 5555 San Felipe, Suite 1900 Houston, Texas 77056-2730	President	40 hours	459,113	11,195	9,513
			<u>649,113</u>		
Applied to Direct Charitable Activities Page 1, Part 1, Line 13(a)			<u>(116,060)</u>		
			<u>533,053</u>		

The Robert A. Welch Foundation
Year Ending August 31, 2011

Taxpayer's I.D. 76-0343128
 Schedule 7

Security	Acquired	Date Acquired	Date Sold	Proceeds	Cost Basis	Gain or Loss Short Term	Gain or Loss Long Term
Publicly Traded Securities	various	various		180,212,386	164,449,254	3,059,725	12,703,407
Other Gains and Losses:							
Silchester International Value Equity	purchase	various	various	7,520,926	6,268,370	0	1,252,556
Wellington CTF Equity	purchase	various	5/2/2011	7,000,000	6,091,580	19,618	888,802
Archstone	purchase	various	12/31/2010	71,726,546	65,413,559	0	6,312,987
TIFF	purchase	5/31/2007	12/31/2010	11,403,188	10,000,000	0	1,403,188
GMO III	purchase	various	12/16/2010	37,836,373	45,812,687	0	(7,976,314)
Barlow	purchase	1/1/2007	1/1/2011	21,361,680	19,000,000	0	2,361,680
Brandywine (K-1)	purchase	3/28/2008	various			40,024	354,987
City of London (K-1)	purchase	various	various			(42,798)	(678,180)
RWF Fund, L.P. (K-1)	purchase	various	various			1,154	46,187
Lexington (K-1)	purchase	various	various			5,694	93,093
Siguler Guff (K-1)	purchase	various	various			158,864	144,639
Silchester International Value Equity (K-1)	purchase	various	various			257,612	1,095,955
Varde (K-1)	purchase	various	various			430,792	373,835
Wellington CTF DIH (K-1)	purchase	various	various			2,229,168	(1,082,429)
Wellington CTF Research Equity (K-1)	purchase	1/3/2006	various			1,414,101	1,357,971
				337,061,099	317,035,450	7,573,954	18,652,364

Short Term Taxable Gain(Loss)

7,573,954

Long Term Taxable Gain(Loss)

18,652,364

Part I, Line 7

26,226,318

Taxpayer's I.D.
76-0343128

Schedule 8

The Robert A. Welch Foundation
990PF, page 1
Year Ended August 31, 2011

	Receipts and Expenses Per Book	Net Investment Income	For Exempt Purpose
Line 11			
Other Income:			
Royalties	4,172,557	4,158,773	0
Other Income	57,380	2,184,404	0
	<u>4,229,937</u>	<u>6,343,177</u>	<u>0</u>

#	Grantee	Description	Balance 8/31/2010	Total Approved	Total Paid	Cancel	Balance 8/31/2011
581	Baylor College of Medicine	Molecular Basis for the Roles of Calmodulin in Membrane Fusion and Channel Activities	0	90,000.00	90,000.00		0.00
1242	Baylor College of Medicine	Structural Studies of Viruses by Cryo-EM	0	170,000.00	170,000.00		0.00
1279	Baylor College of Medicine	X-ray Crystallographic Studies on Viruses and Viral Proteins	0	70,000.00	70,000.00		0.00
1512	Baylor College of Medicine	Enhancing Vaccine Design Against Influenza H1N1 Virus	80,000	10,000.00	90,000.00		0.00
1521	Baylor College of Medicine	Mechanisms of ATP Generation by a Novel Coregulator, CAPER	50,000	0.00	50,000.00		0.00
1530	Baylor College of Medicine	Structural and Mechanistic Studies of ATP-Dependent Molecular Machines	60,000	10,000.00	70,000.00		0.00
1673	Baylor College of Medicine	Novel Activity of the Telomere Regulator TIN2 in the Mitochondria	50,000	0.00	50,000.00		0.00
1698	Baylor College of Medicine	Regulation of GTP Homeostasis by (p)ppGpp	0	100,000.00	100,000.00		0.00
1759	Baylor College of Medicine	Quantifying Transcription Kinetics in Individual Cells at Single-Event Resolution	0	150,000.00	100,000.00		50,000.00
1173	Baylor University	Visible Light Absorption by Esters and Formation of Organic Acids in the Atmosphere	50,000	0.00	50,000.00		0.00
1395	Baylor University	C ₂ -Chiral Pyrrolidines, Phosphinines and Phosphataramines for Asymmetric Catalysis	50,000	0.00	50,000.00		0.00
656	Lamar University	Electron Dynamics and Mechanism of Negative Ion Formation in Ion-Surface Collisions	0	50,000.00	50,000.00		0.00
480	Rice University	Chemistry of Carbon Nanomaterials	0	130,000.00	70,000.00		60,000.00
576	Rice University	Genetic Regulatory Proteins. Structure-Function Relationships	0	130,000.00	70,000.00		60,000.00
586	Rice University	Precision Trace Gas Monitoring Using Mid-IR Quantum Cascade Lasers	0	90,000.00	90,000.00		0.00
612	Rice University	Chemical Mechanisms of Ligand Binding to Hemie Proteins	0	170,000.00	90,000.00		80,000.00
627	Rice University	Carbon Nanocapsules as MRI Contrast Agent Platforms	0	130,000.00	70,000.00		60,000.00
734	Rice University	Studies Involving Molecules in High Rydberg States	0	170,000.00	90,000.00		80,000.00
807	Rice University	Photostudies of Carbon Nanostructures	0	70,000.00	70,000.00		0.00
978	Rice University	The Chemistry of Nanomolecules	60,000	10,000.00	70,000.00		0.00
991	Rice University	Interaction of Water-Soluble Amphiphilic Molecules with Lipid Bilayers	0	130,000.00	70,000.00		60,000.00
1133	Rice University	Mechanisms for Molecule Formation in Ultracold Atomic Gases	0	90,000.00	90,000.00		0.00
1220	Rice University	Chemical Properties of Nanoparticle-Molecular Complexes	80,000	10,000.00	90,000.00		0.00
1222	Rice University	Theoretical Investigations of Chemical Properties of Nanosystems	80,000	10,000.00	90,000.00		0.00
1241	Rice University	Structure and Properties of Complex Fluids in the Bulk and Interfacial Regions	0	130,000.00	70,000.00		60,000.00
1308	Rice University	Novel Peroxisomal Processes in Plants	0	130,000.00	70,000.00		60,000.00
1323	Rice University	Terpene Biosynthesis	0	130,000.00	70,000.00		60,000.00
1411	Rice University	Theoretical Studies of Electronic Dynamics and Transport in Carbon Nanotubes and Related Nanostructures	80,000	10,000.00	90,000.00		0.00
1508	Rice University	Optical, Infrared, and Terahertz Dynamics of Carbon Nanomaterials	60,000	10,000.00	70,000.00		0.00
1557	Rice University	Synthesis of Nanostructured Organic Materials via Self-Assembly	0	70,000.00	70,000.00		0.00
1559	Rice University	Theoretical Investigation of Polymer Translocation Phenomena	0	70,000.00	70,000.00		0.00
1565	Rice University	The Mechanism of Protein-Primed RNA Synthesis in Viral Genome Replication	0	50,000.00	50,000.00		0.00
1570	Rice University	Mapping the Free Energy Landscape of Proteins by Combining Theory and Experiment	80,000	10,000.00	90,000.00		0.00
1578	Rice University	Sironium Fermi Gases and Bose-Fermi Mixtures	50,000	0.00	50,000.00		0.00
1590	Rice University	Science of Nearly-1D Materials: From Nanotubes to Nanowires	60,000	10,000.00	70,000.00		0.00
1598	Rice University	Design, Synthesis and Characterization of Shaped and Layered Gold Nanoparticles	0	100,000.00	50,000.00		50,000.00
1605	Rice University	Investigation of Single Molecule Motion and Molecular Machines by STM	0	100,000.00	50,000.00		50,000.00
1614	Rice University	Biochemical Mechanism of Iron-Sulfur Cluster Synthesis	0	100,000.00	50,000.00		50,000.00
1625	Rice University	Synthesis of Mechanochemical Shearing-Mode Oscillators Using Artificial Proteins and Orthogonal Protein Labeling Chemistries	0	50,000.00	50,000.00		0.00
1632	Rice University	Protein-Nucleic Acid Interactions with Single-Molecule AFM	0	50,000.00	50,000.00		0.00
1636	Rice University	Novel Single-Molecule Vibrational Spectroscopies	0	50,000.00	50,000.00		0.00
1684	Rice University	Chemically Directed Alignment of Macro-Molecules in Liquid Crystalline Solvents: The Role of Short and Long Range Molecular Interactions on Anisotropic Solvation and Diffusion	50,000	0.00	50,000.00		0.00
1688	Rice University	Physical Chemistry of Graphene Fluids	50,000	0.00	50,000.00		0.00
1689	Rice University	Superchemistry: Quantum Control of Ultracold Molecules	50,000	0.00	50,000.00		0.00
1676	Rice University	Investigating Core/Shell Bimetal Catalysts Through Nanoparticle Synthesis and Spectroscopy	50,000	0.00	50,000.00		0.00
1680	Rice University	New Strategies for Catalytic Bond Formation	0	100,000.00	50,000.00		50,000.00
1681	Rice University	Developing Algorithms for Solid-State Computational Quantum Chemistry	37,500	0.00	0.00	37,500.00	0.00
1682	Rice University	Infrared and Millimeterwave Spectroscopy of Graphene	0	100,000.00	50,000.00		50,000.00

#	Grantee	Description	Balance 8/31/2010	Total Approved	Total Paid	Cancel	Balance 8/31/2011
1716	Rice University	Scalable Synthesis of Graphene and Related Nanocomposite for Dye Sensitized Solar Cell Applications	0	50,000.00	50,000.00		0.00
1729	Rice University	Dynamical Consequences of Protein Chemistry	50,000	0.00	50,000.00		0.00
1739	Rice University	Ultracold Molecules: Dynamics, Coherence and Correlations	50,000	0.00	50,000.00		0.00
1743	Rice University	Individualization of Single-Walled Carbon Nanotubes on Zeolitic Materials without the Aid of Wrapping Molecules	50,000	0.00	50,000.00		0.00
1750	Rice University	Synthesis and Properties of Multiblock Conjugated Copolymers	50,000	0.00	50,000.00		0.00
1752	Rice University	Multiple-Dimensional Optical Spectroscopy	50,000	0.00	50,000.00		0.00
1755	Rice University	Controlling Nanoparticle Assembly via Steric Forces	0	150,000.00	50,000.00		100,000.00
1761	Rice University	Analytical Surface Enhanced Raman Spectroscopy for Biological Interfaces	0	150,000.00	50,000.00		100,000.00
330	Texas A&M University	Nuclear Reaction Studies	82,500	0.00	82,500.00		0.00
398	Texas A&M University	Molecular Conformations and Vibrational Potential Energy Surfaces	20,000	90,000.00	110,000.00		0.00
514	Texas A&M University	The Influence of Reduced Dimensionality, Disorder, and Surfaces on the Properties of Solids	15,000	70,000.00	85,000.00		0.00
639	Texas A&M University	Phase-Facilitated Catalysis and Synthesis	15,000	70,000.00	85,000.00		0.00
648	Texas A&M University	Computational Chemistry of Transition Metal Systems	15,000	70,000.00	85,000.00		0.00
673	Texas A&M University	Metal Phosphonates as Crystal Engineered Solids	75,000	10,000.00	85,000.00		0.00
747	Texas A&M University	The Structure and Dynamics of Photophysical Non-Covalent Interactions	15,000	70,000.00	85,000.00		0.00
770	Texas A&M University	Electron-Molecule Resonances from Multiconfigurational Self-Consistent Field and Multiconfigurational Electron Propagator Methods with Complex Scaled Hamiltonians	15,000	70,000.00	85,000.00		0.00
840	Texas A&M University	Enzyme Reaction Mechanisms	17,500	130,000.00	87,500.00		60,000.00
923	Texas A&M University	Mixed Metal Cyanide Derivatives and Their Role in Catalysis	15,000	70,000.00	85,000.00		0.00
924	Texas A&M University	Bioinorganic Chemistry: Peptide Models of SOD and NHTase Enzyme Active Sites	15,000	70,000.00	85,000.00		0.00
960	Texas A&M University	Polynuclear Gold and Related Element Chemistry with Nitrogen Ligands - Syntheses, Structure and Reactivity	100,000	10,000.00	110,000.00		0.00
1020	Texas A&M University	Molecular and Recoil Frame Photoelectron Angular Distributions from Nonlinear Molecules	20,000	80,000.00	110,000.00		0.00
1121	Texas A&M University	Acidic Intermediates in Asymmetric Hydrogenations	15,000	70,000.00	85,000.00		0.00
1170	Texas A&M University	Biophysical Probes of Iron Metabolism in Yeast Vacuoles	62,500	0.00	62,500.00		0.00
1178	Texas A&M University	Studies of the Structure of Gas-Phase Peptide Ions	62,500	0.00	62,500.00		0.00
1218	Texas A&M University	The Integrating Cavity - A Powerful New Approach to Ring-Down Spectroscopy	50,000	0.00	50,000.00		0.00
1261	Texas A&M University	Studies in Laser and Quantum Chemistry	22,500	170,000.00	112,500.00		80,000.00
1286	Texas A&M University	The Equation of State for a Two-Component Nuclear System	17,500	130,000.00	87,500.00		60,000.00
1280	Texas A&M University	Novel Strategies for Bioactive Natural Product Total Synthesis via b-Lactone Intermediates (2-Oxalones)	20,000	80,000.00	110,000.00		0.00
1358	Texas A&M University	Theoretical Studies of Heavy Ion Collisions	15,000	70,000.00	85,000.00		0.00
1397	Texas A&M University	Nuclear Decay Studies	62,500	0.00	62,500.00		0.00
1405	Texas A&M University	Photofragment Imaging of Atmospheric Radicals	62,500	0.00	62,500.00		0.00
1417	Texas A&M University	Chemical Kinetics and Mechanism of Hydrocarbon Oxidation Reactions	75,000	10,000.00	85,000.00		0.00
1421	Texas A&M University	Probing Cation-Amide Interactions	22,500	170,000.00	112,500.00		80,000.00
1423	Texas A&M University	Synthesis, Structure and Redox Properties of α -phosphonyl- and α -phosphono-carboxylates	0	130,000.00	70,000.00		60,000.00
1439	Texas A&M University	Molecular Recognition in Cyclodextrin-Containing Dendrimers	37,500	0.00	8,809.00	28,891.00	0.00
1449	Texas A&M University	Magnetism, Conductivity and the Interplay Between These Properties in d, p and f block Materials with Organoborane Ligands	20,000	80,000.00	110,000.00		0.00
1528	Texas A&M University	Magnetism and Electronic Behavior of Ge and Sn Chalcogenides and Related Zintl Materials	75,000	10,000.00	85,000.00		0.00
1543	Texas A&M University	Identification and Characterization of Transient Protein-Protein Interactions	17,500	0.00	17,500.00		0.00
1546	Texas A&M University	Preparation and Optical Studies of Ultracold Molecular Ions Using CW and Femtosecond Laser Radiation	12,500	100,000.00	82,500.00		50,000.00
1547	Texas A&M University	Applications of Molecular Coherence in Ultrafast Optics	17,500	130,000.00	87,500.00		60,000.00
1623	Texas A&M University	New Methods for Asymmetric Catalysis	0	50,000.00	50,000.00		0.00
1639	Texas A&M University	Energy Transfer in Doped Anisotropic Semiconductor Nanostructures	12,500	50,000.00	62,500.00		0.00
1647	Texas A&M University	Structure and Chemistry of DNA Repair Enzyme Spoore Photoproduct Lyase	50,000	0.00	50,000.00		0.00
1656	Texas A&M University	Selective Methane Oxidations in Fluorous Media	50,000	0.00	50,000.00		0.00
1658	Texas A&M University	Molecular Basis for Autotransporter Function	62,500	0.00	62,500.00		0.00

#	Grantee	Description	Balance 8/31/2010	Total Approved	Total Paid	Cancel	Balance 8/31/2011
1671	Texas A&M University	Band-Gap Engineering for Enhanced Photoemission of Self-Assembled Au and Ag Nanoparticles Embedded in Monocrystalline Semiconductors	62,500	0.00	62,500.00		0.00
1678	Texas A&M University	Quantum Coherent Synthesis and Decomposition	0	100,000.00	50,000.00		50,000.00
1687	Texas A&M University	Structural Biology of Viral RNA Sensing by the RIG-I Family RNA Helicases	12,500	0.00	12,500.00		0.00
1688	Texas A&M University	Chemical Dynamics of Ultracold Molecules and Atomic Hydrogen	12,500	100,000.00	62,500.00		50,000.00
1700	Texas A&M University	Synthesis of the Carbocyclic Core of Zoonthamides	12,500	100,000.00	62,500.00		50,000.00
1706	Texas A&M University	The Sonogashira Catalyst System for C-C Coupling Reactions: New Mechanistic Insights and Improved Recyclability	0	50,000.00	50,000.00		0.00
1710	Texas A&M University	Chemical Investigation of the Heaviest Elements	0	50,000.00	50,000.00		0.00
1715	Texas A&M University	Synthesis and Evaluation of Methyltransferase-Mediated Alkylated Agents	12,500	50,000.00	62,500.00		0.00
1717	Texas A&M University	New Discoveries of Main Group Hypercoordinate Compounds and Beyond	12,500	50,000.00	62,500.00		0.00
1725	Texas A&M University	The Discovery of Stable Porous Materials for Gas Storage and Separation	12,500	50,000.00	62,500.00		0.00
1742	Texas A&M University	The Structural Basis for Ligand Recognition and Allostery in Signaling Proteins	62,500	0.00	62,500.00		0.00
1746	Texas A&M University	An Atomic Resolution Biochemical Approach to Structure-Function Analysis of a Ribonucleoprotein Complex — Telomerase	62,500	0.00	62,500.00		0.00
1758	Texas A&M University	What Makes an Enzyme Promiscuous? Structure-Function Relationships of o-Succinylbenzoate Synthase/N-Succinylamino Acid Racemase Enzymes	0	150,000.00	50,000.00		100,000.00
1763	Texas A&M University	Biochemical and Biophysical Determination of Conserved RNA Polymerase Domains Function in Catalysis: Abortive Initiation and Template Interaction	0	150,000.00	50,000.00		100,000.00
1766	Texas A&M University	Template-Synthesis and Solution-Assembly of Polyamine for Organic Energy Storage	0	150,000.00	50,000.00		100,000.00
1769	Texas A&M University	Determination of the Mechanisms by Which Lysic Peptides Disrupt Lipid Bilayers	0	150,000.00	50,000.00		100,000.00
1775	Texas A&M University	Non-Covalent p-Stacking Interactions in Organocatalysis	0	150,000.00	50,000.00		100,000.00
1777	Texas A&M University	Biochemical Basis of Arabidopsis Argonaute 10 as a Decoy for microRNAs	0	150,000.00	50,000.00		100,000.00
884	Texas A&M University at Galveston	Chemical Models: Classical to Quantum-Theoretic	0	90,000.00	80,000.00		0.00
1281	Texas A&M University System HSC	Forces Involved in Protein Folding and Stability	0	70,000.00	70,000.00		0.00
1541	Texas A&M University System HSC	Visualizing Nuclear Import of a Large Cargo by Single Molecule Fluorescence Microscopy	0	100,000.00	50,000.00		50,000.00
1460	Texas A&M University-Commerce	Chiral Ionic Liquids, A New Class of Solvents for Asymmetric Reactions	0	50,000.00	50,000.00		0.00
1212	Texas Christian University	Controlled Formation of New Heterointerfacial Nanostructures on One Dimensional Curved Nanowire Surfaces	0	70,000.00	70,000.00		0.00
1666	Texas Christian University	Synthesis of Alkylphosphine Boranes: An Olefination Approach	50,000	0.00	50,000.00		0.00
1737	Texas Christian University	Intramolecular Blumrich and Antimony Carbon Bond Formation and Reactivity	50,000	0.00	50,000.00		0.00
1760	Texas Christian University	Probing Surface Interactions of Ferrocene Peptide Conjugates and Interfacial Responses with Biomolecules	0	150,000.00	50,000.00		100,000.00
1675	Texas Southern University	Many-Body Density Matrix Perturbation Theory	50,000	0.00	50,000.00		0.00
1126	Texas Tech University	Dynamics of Defects in Silicon	0	70,000.00	70,000.00		0.00
1239	Texas Tech University	Studies of Pseudopericyclic and Pericyclic Reactions	0	100,000.00	100,000.00		0.00
1321	Texas Tech University	Muonion Energies and Defect Chemistry in Compound Semiconductors	0	130,000.00	130,000.00		0.00
1361	Texas Tech University	Chiral N-Phosphorylimines-Controlled Asymmetric Reactions of Halo Enolates	0	70,000.00	70,000.00		0.00
1478	Texas Tech University	Natural Product Chemistry and Mechanisms of Flavonoid Oxidation	0	70,000.00	70,000.00		0.00
1523	Texas Tech University	New Methodologies for Accurate Quantum Calculations of the Dynamics of Atomic Nuclei	60,000	10,000.00	70,000.00		0.00
1667	Texas Tech University	Single Molecule Investigation of Energy Transfer and Light Harvesting of Phycobiliproteins	50,000	0.00	50,000.00		0.00
1707	Texas Tech University	C-H Bond Activation Using Masked Forms of Fluorenyl Cu(I) Complexes	0	50,000.00	50,000.00		0.00
1757	Texas Tech University HSC	Catalytic and Functional Studies in KcsA-Kv Channel Chimeras that Differ in C-Type Inactivation Properties	0	150,000.00	50,000.00		100,000.00
1289	The University of Texas at Arlington	Metal Complexes of Fluorinated Ligands	80,000	10,000.00	90,000.00		0.00
1301	The University of Texas at Arlington	Determination of the Mechanism of DNA Cleavage by Ruthenium-based Intercalators	50,000	0.00	50,000.00		0.00
1382	The University of Texas at Arlington	Total Synthesis of Marine Alkaloids of the Oridin and Leucettin Families	0	50,000.00	50,000.00		0.00
1525	The University of Texas at Arlington	A Density Functional Study of the Surface Electronic Behavior of Acetate Metals	60,000	10,000.00	70,000.00		0.00
100	The University of Texas at Austin	Structural Chemistry	17,500	0.00	17,500.00		0.00
382	The University of Texas at Austin	New Trajectory Approaches to Quantum Dynamics	20,000	90,000.00	110,000.00		0.00
634	The University of Texas at Austin	The Chemical Composition of Stars	20,000	90,000.00	110,000.00		0.00
652	The University of Texas at Austin	Synthesis of Biologically Relevant Molecules	20,000	90,000.00	110,000.00		0.00
816	The University of Texas at Austin	Molecular Precursors for New Functional Materials	15,000	70,000.00	85,000.00		0.00
934	The University of Texas at Austin	Ferroelectric and/or Ferromagnetic Films, Interfaces, or Superlattices	20,000	80,000.00	100,000.00		0.00
1018	The University of Texas at Austin	Molecular Recognition via Base Pairing	15,000	70,000.00	85,000.00		0.00

#	Grantee	Description	Balance 8/31/2010	Total Approved	Total Paid	Cancel	Balance 8/31/2011
1038	The University of Texas at Austin	Femtosecond Nonlinear Spectroscopy of Column IV Nano-Interface Chemistry	100,000	10,000.00	110,000.00		0.00
1051	The University of Texas at Austin	Coherent Quantum Control of Quasibound State Structures in Atom and Molecular Systems	75,000	10,000.00	85,000.00		0.00
1088	The University of Texas at Austin	Influence of Counter Cation in Mixed-Metal Oxides	100,000	10,000.00	110,000.00		0.00
1131	The University of Texas at Austin	Ear Inflammation Detecting Nitric Oxide Probe	20,000	90,000.00	110,000.00		0.00
1151	The University of Texas at Austin	Fingerprinting Glucuronides	75,000	10,000.00	85,000.00		0.00
1155	The University of Texas at Austin	Fundamentals of Photo- and Electron-Based Activation of Ions in the Gas Phase	75,000	10,000.00	85,000.00		0.00
1188	The University of Texas at Austin	Engineered Organic Photovoltaic Materials	17,500	100,000.00	117,500.00		0.00
1181	The University of Texas at Austin	Synthesis, Magnetochemistry, and Superconductivity of Metals and Oxides	17,500	130,000.00	147,500.00		0.00
1225	The University of Texas at Austin	Mechanism of Folate-Dependent Methylation	75,000	10,000.00	85,000.00		0.00
1254	The University of Texas at Austin	Synthesis and Properties of Transition Metal Oxides with Unusual Valence States	22,500	170,000.00	192,500.00		0.00
1255	The University of Texas at Austin	Gap Opening by Symmetry Breaking in Graphene Systems	17,500	130,000.00	147,500.00		0.00
1258	The University of Texas at Austin	Trapping and Cooling of Molecules Towards Ultracold Chemistry	17,500	170,000.00	187,500.00		0.00
1274	The University of Texas at Austin	Complex Active Sites for Phosphoryl Transfer: Continued Chemical, Biochemical, Biophysical and Structural Analyses	15,000	70,000.00	85,000.00		0.00
1283	The University of Texas at Austin	Studies in Quantum Chemistry	20,000	90,000.00	110,000.00		0.00
1298	The University of Texas at Austin	Rearrangements of Alkynylazoles	62,500	0.00	62,500.00		0.00
1319	The University of Texas at Austin	Tuning Nucleation and Growth of Nanoclusters and Thin Metal Films	22,500	130,000.00	152,500.00		0.00
1331	The University of Texas at Austin	Creating 3D Cell Cultures Using Multiphoton Photofabrication with Dynamic Electronic Masks	17,500	130,000.00	147,500.00		0.00
1334	The University of Texas at Austin	Structure Function Relationships in Enzymes	12,500	100,000.00	112,500.00		0.00
1351	The University of Texas at Austin	Allosteric Mechanism by which the Second Messenger Cyclic Diguanylate (c-di-GMP) Controls the Speed and Direction of a Bacterial Nanomotor	62,500	0.00	62,500.00		0.00
1390	The University of Texas at Austin	Acquiring Highly Selective Inhibitors of CAMK-II	12,500	0.00	12,500.00		0.00
1427	The University of Texas at Austin	Computational and Comparative Determination of RNA Structural Motifs and Pseudonucleotides	12,500	0.00	12,500.00		0.00
1436	The University of Texas at Austin	Chemistry of Nano-Structured Surfaces	12,500	100,000.00	112,500.00		0.00
1464	The University of Texas at Austin	Quantum Size Silicon and Germanium Nanorods and Nanowires	20,000	90,000.00	110,000.00		0.00
1473	The University of Texas at Austin	Electronic Properties of Graphene	20,000	90,000.00	110,000.00		0.00
1502	The University of Texas at Austin	Chemistry on Semiconductor and Dielectric Surfaces	62,500	0.00	62,500.00		0.00
1511	The University of Texas at Austin	Mechanistic Studies of Novel Enzymes	75,000	10,000.00	85,000.00		0.00
1514	The University of Texas at Austin	Theory and Simulations of Fast Single-Molecule Dynamics	75,000	10,000.00	85,000.00		0.00
1515	The University of Texas at Austin	A Mass-Spectrometry-Based Map of Human Protein Complexes	100,000	10,000.00	110,000.00		0.00
1529	The University of Texas at Austin	Synthesis of Mesoporous Carbon and Metal Oxide Architectures	62,500	0.00	62,500.00		0.00
1535	The University of Texas at Austin	First-Principles Investigations of the Synthesis, Structure and Chemistry of Oxide-Supported Bimetallic Nanocatalysts	17,500	130,000.00	147,500.00		0.00
1563	The University of Texas at Austin	Exploring a Novel Origin of RNA Misfolding	12,500	50,000.00	62,500.00		0.00
1572	The University of Texas at Austin	Chemical Probes for Biological Catalysts	75,000	10,000.00	85,000.00		0.00
1573	The University of Texas at Austin	Physical Constraints for Molecular Catch Bonds	62,500	0.00	62,500.00		0.00
1592	The University of Texas at Austin	Structural Studies of Antiviral Drug Toxicity	62,500	0.00	62,500.00		0.00
1598	The University of Texas at Austin	Fundamental Studies of Self-Assembly in Mixtures of Organic and Inorganic Molecules	12,500	130,000.00	142,500.00		0.00
1601	The University of Texas at Austin	First-Principles Calculations of Catalytic Reactions on Metal Surfaces and Nanoparticles	12,500	0.00	12,500.00		0.00
1604	The University of Texas at Austin	Kinetics of Nucleotide Binding by HIV Reverse Transcriptase	12,500	130,000.00	142,500.00		0.00
1607	The University of Texas at Austin	DNA Target Site Recognition by Mobile Group II Introns	12,500	100,000.00	112,500.00		0.00
1618	The University of Texas at Austin	Dimerization of Sortase A <i>In vivo</i> : A New Model for Antibiotics Development	12,500	0.00	12,500.00		0.00
1621	The University of Texas at Austin	Dynamic Polymers as Recyclable Catalysts	12,500	50,000.00	62,500.00		0.00
1626	The University of Texas at Austin	High Intensity Femtosecond XUV Multi-Electron Ionization and Fragmentation of Methane Clusters	12,500	50,000.00	62,500.00		0.00
1631	The University of Texas at Austin	Block Copolymers with Active Components: Towards the Development of Novel Organic Photovoltaics	12,500	50,000.00	62,500.00		0.00
1653	The University of Texas at Austin	Combinatorial Approaches for Analytical Chemistry Using a Hybrid Silicon/Organic Semiconductor Sensor	62,500	0.00	62,500.00		0.00
1654	The University of Texas at Austin	Directed Evolution of Integrase Specificity	62,500	0.00	62,500.00		0.00
1662	The University of Texas at Austin	Probing Complex Electron Dynamics with Optical Two-Dimensional Fourier Transform Spectroscopy	62,500	0.00	62,500.00		0.00

#	Grantee	Description	Balance 8/31/2010	Total Approved	Total Paid	Cancel	Balance 8/31/2011
1663	The University of Texas at Austin	Bond-Selective Chemical Imaging by Coherent Anti-Stokes Raman Scattering (CARS)	62,500	0.00	62,500.00		0.00
1672	The University of Texas at Austin	Quantum Size Effects on Formation and Chemical Properties of Bimetallic Alloys in Ultra-Thin Films	62,500	0.00	62,500.00		0.00
1680	The University of Texas at Austin	Oxide Formation and Stability on Supported Platinum Catalysts	12,500	0.00	12,500.00		0.00
1681	The University of Texas at Austin	A Low Resolution Physical Potential for RNA Folding	12,500	100,000.00	112,500.00		0.00
1683	The University of Texas at Austin	Coordination of the Enzymatic Activity of Opposite Polarity Molecular Motors	12,500	0.00	12,500.00		0.00
1684	The University of Texas at Austin	Reductive Alkylation and Arylation of Hydrazones	12,500	100,000.00	112,500.00		0.00
1695	The University of Texas at Austin	Peptide Mimics: Synthesis and Self-Assembly of Polydepsipeptides	12,500	0.00	12,500.00		0.00
1696	The University of Texas at Austin	Liquids Near Interfaces: Single-Molecule and Collective Dynamics	12,500	100,000.00	112,500.00		0.00
1698	The University of Texas at Austin	Understanding the Physical Origin of Photobleaching in Single-Molecule Fluorescent Dyes	12,500	150,000.00	112,500.00		50,000.00
1705	The University of Texas at Austin	Mid-Infrared Photoacoustic Spectroscopy with Nanometer Resolution Using Quantum Cascade Lasers	12,500	50,000.00	62,500.00		0.00
1708	The University of Texas at Austin	Stimulating the Emergence of Crystallinity: Quantum Modeling of Liquids	12,500	50,000.00	62,500.00		0.00
1709	The University of Texas at Austin	Robust and Versatile Chemistry for Self-Assembly Directed Nanomaterials	12,500	50,000.00	62,500.00		0.00
1712	The University of Texas at Austin	Preparative <i>In Vitro</i> Biosynthesis of Complex Polyketides	12,500	50,000.00	62,500.00		0.00
1722	The University of Texas at Austin	Vibrational Spectroscopy in the Ras Binding Domain	12,500	50,000.00	62,500.00		0.00
1726	The University of Texas at Austin	Size and Chemical Control of 2D Assemblies of Semiconductor Nanocrystals	12,500	50,000.00	62,500.00		0.00
1734	The University of Texas at Austin	Growth of Nanoscale ZnO Superstructures through a Chemical Route Assisted by One-Dimensional Catalysts	62,500	0.00	62,500.00		0.00
1738	The University of Texas at Austin	New Poly-Carboxylated Aryl Phosphines and Coordination Complexes and Polymers Thereof	62,500	0.00	62,500.00		0.00
1741	The University of Texas at Austin	Developing Potent Solamargine Analogs	62,500	0.00	62,500.00		0.00
1753	The University of Texas at Austin	A Synthetic Biochemistry Platform for Alkane Synthesis in Yeast	0	150,000.00	100,000.00		50,000.00
1756	The University of Texas at Austin	<i>In Vivo</i> Structural Characterization of Catalytic RNAs by Fluorescence	0	150,000.00	100,000.00		50,000.00
1767	The University of Texas at Austin	Control of Protein Folding Quality Control in the Bacterial Periplasm	0	150,000.00	100,000.00		50,000.00
1778	The University of Texas at Austin	Proline Isomerization States for Phosphatase Specificity	0	150,000.00	100,000.00		50,000.00
584	The University of Texas at Dallas	Lanthanide-based CEST Agents for Metabolic Imaging	0	130,000.00	130,000.00		0.00
1153	The University of Texas at Dallas	Zellite Encapsulated Metal Complexes	60,000	10,000.00	70,000.00		0.00
1595	The University of Texas at Dallas	Rational Design and Synthesis of Protein Secondary Structure Mimetics	0	100,000.00	70,000.00		0.00
1617	The University of Texas at Dallas	Synthesis of Hybrid Supramolecules: "Quantum Dot-Conjugated Polymer" Photonic Pumps with Charge Multicatalysis	0	130,000.00	130,000.00		0.00
1645	The University of Texas at Dallas	Femtosecond Time-Resolved FRET to Probe Global RNA Dynamics	0	50,000.00	50,000.00		0.00
1740	The University of Texas at Dallas	Semiconducting Liquid Crystalline Polymers	50,000	0.00	50,000.00		0.00
546	The University of Texas at El Paso	Diamane Transition Metal Complexes	0	70,000.00	70,000.00		0.00
1649	The University of Texas at El Paso	Elucidation of a Novel Mechanism Used by a Virus Encoded Chaperonin	50,000	0.00	50,000.00		0.00
1745	The University of Texas at El Paso	Transition Metal Mediated One-Pot Three-Component Synthesis of γ -Amino Acids	50,000	0.00	50,000.00		0.00
784	Trinity University	Understanding Aromaticity Through the Prism of Antiaromaticity: Antiaromatic Dianions and Dications	0	100,000.00	50,000.00		50,000.00
1840	Trinity University	Repeat DNA as a Multivalent Receptor	0	50,000.00	12,500.00		37,500.00
608	University of Houston	Supersymmetric Quantum Mechanics: Accurate Excited State Energies and Wave Functions	0	130,000.00	130,000.00		0.00
621	University of Houston	The Design and Synthesis of Azaromatic Ligands and the Study of their Metal Complexes	0	130,000.00	130,000.00		0.00
680	University of Houston	Electrochemistry and Spectroelectrochemistry of Compounds with Multiple Redox Centers	80,000	10,000.00	90,000.00		0.00
1028	University of Houston	Structural Theory of Aqueous Electrolyte Solutions	0	90,000.00	90,000.00		0.00
1070	University of Houston	A Real Space Approach to the Macromolecular Phase Problem	0	100,000.00	100,000.00		0.00
1148	University of Houston	Study of Superconductivity and Related Subjects in Strongly Correlated Electron Systems	0	90,000.00	90,000.00		0.00
1152	University of Houston	Effect of Heterogeneities on Spatiotemporal Patterns in Chemical Reactors	50,000	0.00	50,000.00		0.00
1208	University of Houston	Synthesis of Metal Dimethylhydrazonide Complexes	0	70,000.00	70,000.00		0.00
1264	University of Houston	Physical Chemistry of Biomolecular Recognition	0	100,000.00	100,000.00		0.00
1287	University of Houston	Chemical Bonding and Properties of "Electron-Poor" Intermolecular Along the Zintl Border	50,000	0.00	50,000.00		0.00
1320	University of Houston	Aliphatic Dithiocarbonylates, Xanthates, and Dithiocarbamates on Metal Substrates and Metal Nanoparticles	0	130,000.00	130,000.00		0.00
1337	University of Houston	Photophysical Processes in DNA Oligomers	0	70,000.00	70,000.00		0.00

#	Grantee	Description	Balance 8/31/2010	Total Approved	Total Paid	Cancel	Balance 8/31/2011
1380	University of Houston	Discovery of Improved Pinnling Centers by Chemical Emulation of Irradiation Damage	0	70,000.00	70,000.00		0.00
1457	University of Houston	Morphologies					
		Advanced Second-Harmonic Generating Materials	0	70,000.00	70,000.00		0.00
1531	University of Houston	Novel Systems for Biphasic Catalysis and Liquid Extractions: A Surface Study of Room-Temperature Ionic Liquids at the Liquid-Liquid Interface	0	100,000.00	100,000.00		0.00
1551	University of Houston	Investigating Plasmonic Metal and Fluorescent Nanocrystal Hybrids Through Hierarchical Organic Dendron and Linear Dendron Scaffolds	0	70,000.00	70,000.00		0.00
1571	University of Houston	Investigations in Transition Metal-Catalyzed C-H Activation Methodology	80,000	10,000.00	90,000.00		0.00
1618	University of Houston	Structural Studies on Key Enzymes Catalyzing Membrane Lipid Biosynthesis	0	100,000.00	100,000.00		0.00
1721	University of Houston	The Kinetics and Conformational Changes During Peptidyl Transferase Reaction in Single Ribosomes	0	50,000.00	50,000.00		0.00
1728	University of Houston	Mechanism for Huge Photosynthesis of Hydrocarbon from Water and Carbon Dioxide on CO Nanoparticles	50,000	0.00	50,000.00		0.00
1744	University of Houston	The Total Synthesis of Bioactive Natural Products via Novel Strategies	50,000	0.00	50,000.00		0.00
1765	University of Houston	New Type of Electronic States in Vitreous Chalcogenides and Pnictides	0	150,000.00	100,000.00		50,000.00
1768	University of Houston	Conjugated Benzobisoxazole Cruciforms as Fluorescent Sensors in Solution and Solid State	0	150,000.00	100,000.00		50,000.00
1774	University of Houston	Engineering Chymotrypsin to Selectively Cleave After Phosphotyrosine	0	150,000.00	100,000.00		50,000.00
1083	University of North Texas	Synthesis and Reactivity Studies of Polynuclear Clusters	0	130,000.00	70,000.00		60,000.00
1174	University of North Texas	Kinetic Studies of Complex-Forming Reactions in the Gas-Phase	60,000	10,000.00	70,000.00		0.00
1542	University of North Texas	Molecular Spectroscopy and Bonding of Coordination Compounds: More Outstanding Issues and New Advances	0	130,000.00	70,000.00		60,000.00
1577	University of North Texas	From Cooperation to Intermittency and Beyond	60,000	10,000.00	70,000.00		0.00
1736	University of North Texas HSC at Fort Worth	Structure Determination of a Chloride Ion Channel to Atomic Resolution	50,000	0.00	50,000.00		0.00
1593	UT at San Antonio	Expeditious Modification of Organocatalyst Structures for Improved Stereoselectivities	60,000	10,000.00	70,000.00		0.00
1615	UT at San Antonio	Controlling the Shape and Particles Using Wet Chemistry Methods: The Case of Bimetallic Nanoparticles	0	130,000.00	70,000.00		60,000.00
1730	UT at San Antonio	Porous Metal-Organic Frameworks with Open Metal Sites for Recognition of Gases	50,000	0.00	50,000.00		0.00
1735	UT at San Antonio	Catalytic, Asymmetric Synthesis of Chiral Alkenes via Enantioselective β -Hydride Elimination	50,000	0.00	50,000.00		0.00
1772	UT at San Antonio	Coordination Chemistry of Hydrogen Sulfide Relevant to Biology	0	150,000.00	50,000.00		100,000.00
1286	UT HSC at Houston	Combinatorial Selection, Structure and Design of Antiviral Thiopamers	60,000	10,000.00	70,000.00		0.00
1568	UT HSC at Houston	How Methylation Influences the DNA Damage Response	50,000	0.00	50,000.00		0.00
1711	UT HSC at Houston	Specificity Determination of Dual E1 Activation Systems for Ubiquitin	0	50,000.00	50,000.00		0.00
1714	UT HSC at Houston	High-Resolution Structure Determination of Molecular Machines <i>In Situ</i> by Cryo Electron Tomography	0	50,000.00	50,000.00		0.00
1731	UT HSC at Houston	Identification and Characterization of Small Molecules as Chemical Probes of the Circadian Clock	50,000	0.00	50,000.00		0.00
1773	UT HSC at Houston	Exosome Activation by the ATPase and Poly(A) Polymerase Activity of the TRAMP Complex	0	150,000.00	50,000.00		100,000.00
764	UT HSC at San Antonio	Structural Chemistry of Viruses	0	100,000.00	50,000.00		50,000.00
1245	UT HSC at San Antonio	Mechanisms of Oxidative Enzymes	0	100,000.00	50,000.00		50,000.00
1399	UT HSC at San Antonio	Structures of <i>Chlamydia</i> Proteins Secreted During Human Infection	60,000	10,000.00	70,000.00		0.00
1507	UT HSC at San Antonio	Substrate Binding and Structure-Function of Amino Acid Transporters	50,000	0.00	50,000.00		0.00
1747	UT HSC at San Antonio	Signals for Proteasome-Mediated Protein Degradation	50,000	0.00	50,000.00		0.00
1189	UT M. D. Anderson Cancer Center	MicroRNA Downregulation by the Adenylate/Uridylate-Rich Element Binding Protein Nucleolin	37,500	0.00	0.00	37,500.00	0.00
1553	UT M. D. Anderson Cancer Center	Biochemical Analysis of DNA Damage Responses at Telomeres	45,000	0.00	0.00	45,000.00	0.00
1718	UT M. D. Anderson Cancer Center	Structural Studies on the Centromeric Nucleosome	0	50,000.00	0.00	50,000.00	0.00
1719	UT M. D. Anderson Cancer Center	Structure and Function of the PHD Fingers of the RBP2 Histone Lysine Demethylase in Dynamic Histone Lysine Methylation	0	50,000.00	12,500.00	37,500.00	0.00
1481	UT Medical Branch at Galveston	Chemical Basis for Dynamic Contributions to Molecular Recognition	0	150,000.00	50,000.00		100,000.00
1771	UT Medical Branch at Galveston	Kinetics and Equilibria of the SNARE Complex Assembly	0	100,000.00	62,500.00		50,000.00
823	UT Southwestern Medical Center at Dallas	Formaldehyde Cross-Linking for Discovery of Novel Regulatory Elements Exhibiting Long-Range Interactions Within and Between Chromosomes	12,500	100,000.00			0.00
940	UT Southwestern Medical Center at Dallas	Biophysical Characterization of a Novel Bacterial TRAP Transporter	15,000	70,000.00	85,000.00		0.00
971	UT Southwestern Medical Center at Dallas	Structure-Function in Mammalian Etherase Enzymes	82,500	0.00	62,500.00		0.00

#	Grantee	Description	Balance 8/31/2010	Total Approved	Total Paid	Cancel	Balance 8/31/2011
982	UT Southwestern Medical Center at Dallas	Phospholipase C-b as G _s GAP and Effector	12,500	0.00	12,500.00		0.00
1128	UT Southwestern Medical Center at Dallas	Structural and Functional Insight into Activation Mechanism of the OSR1 and SPAK Kinase	20,000	90,000.00	110,000.00		0.00
1168	UT Southwestern Medical Center at Dallas	Novel Chemical Approaches for Exploring Dolichol-Linked Oligosaccharide Synthesis	12,500	50,000.00	62,500.00		0.00
1187	UT Southwestern Medical Center at Dallas	Regulation of Protein Palmitoylation by PDZ Domain-Mediated Interactions	12,500	0.00	12,500.00		0.00
1200	UT Southwestern Medical Center at Dallas	Regulation of Type II Phosphatidylinositol Kinase Alpha by Oxidative Stress	12,500	0.00	12,500.00		0.00
1243	UT Southwestern Medical Center at Dallas	Regulatory and Catalytic Properties of MAP Kinase Cascades	22,500	100,000.00	72,500.00		50,000.00
1244	UT Southwestern Medical Center at Dallas	Recognition of DNA by Synthetic Oligomers	22,500	130,000.00	82,500.00		60,000.00
1257	UT Southwestern Medical Center at Dallas	Enzyme Catalyzed Hypusine Modification in the Protozoan <i>Trypanosoma brucei</i>	22,500	170,000.00	112,500.00		80,000.00
1262	UT Southwestern Medical Center at Dallas	Structure and Mechanism of Signaling Enzymes and Pathways	12,500	0.00	12,500.00		0.00
1275	UT Southwestern Medical Center at Dallas	Ligand Binding Properties of Nematode Orphan Nuclear Receptors	20,000	90,000.00	110,000.00		0.00
1286	UT Southwestern Medical Center at Dallas	Mitochondrial Signaling by Reversible Phosphorylation	75,000	10,000.00	85,000.00		0.00
1304	UT Southwestern Medical Center at Dallas	NMR Methods to Study Membrane Proteins in Lipid Bilayers	62,500	0.00	62,500.00		0.00
1366	UT Southwestern Medical Center at Dallas	Principles of Allosteric Control in Proteins	20,000	90,000.00	110,000.00		0.00
1389	UT Southwestern Medical Center at Dallas	Biochemical Mechanism of NF- κ B Inhibition by Deubiquitination Enzymes	100,000	10,000.00	110,000.00		0.00
1414	UT Southwestern Medical Center at Dallas	Analysis of the Functional Significance of Complex Protein/Protein Interactions	100,000	10,000.00	110,000.00		0.00
1420	UT Southwestern Medical Center at Dallas	Determining Lipid Protein Interactions for a Channel Gated by Membrane Tension	12,500	100,000.00	62,500.00		50,000.00
1422	UT Southwestern Medical Center at Dallas	Novel Heterocyclizations for Natural Product Synthesis	17,500	100,000.00	67,500.00		50,000.00
1424	UT Southwestern Medical Center at Dallas	Comparative Studies of the Signaling Mechanisms of Flavin-Based Protein Photosensors	12,500	100,000.00	62,500.00		50,000.00
1441	UT Southwestern Medical Center at Dallas	Biochemical and Structural Analysis of the Spindle Checkpoint	12,500	170,000.00	102,500.00		80,000.00
1500	UT Southwestern Medical Center at Dallas	Mechanisms and Regulation of 26S Proteasome Assembly and Activation	62,500	0.00	62,500.00		0.00
1505	UT Southwestern Medical Center at Dallas	Regulation of Flavoenzyme Homeostasis	62,500	0.00	62,500.00		0.00
1532	UT Southwestern Medical Center at Dallas	Structural Basis for Substrate Specificity Overlap in Yeast Nuclear Import Pathways	12,500	130,000.00	82,500.00		60,000.00
1544	UT Southwestern Medical Center at Dallas	Genetically Encoded Photoswitchable Proteins: Tools to Understand Cell Migration and Signaling	12,500	130,000.00	82,500.00		60,000.00
1558	UT Southwestern Medical Center at Dallas	Role of FGF21 in Mediating the Antidiabetic Actions of Thiazolidinedione Drugs	20,000	90,000.00	110,000.00		0.00
1560	UT Southwestern Medical Center at Dallas	Biochemical Analysis of an RNA Interference Pathway	15,000	70,000.00	85,000.00		0.00
1561	UT Southwestern Medical Center at Dallas	Enzymatic and Structural Characterization of the AMPylator, <i>Vibrio</i> VopS	20,000	90,000.00	110,000.00		0.00
1568	UT Southwestern Medical Center at Dallas	Characterization of an Iron- and Oxygen-Sensing Switch Regulating Cellular Iron Homeostasis	62,500	0.00	62,500.00		0.00
1578	UT Southwestern Medical Center at Dallas	Structural and Functional Studies of RCK-Regulated Potassium Channel	75,000	10,000.00	85,000.00		0.00
1594	UT Southwestern Medical Center at Dallas	An <i>In vivo</i> Assay to Determine Separate Activity Across the Cell Cycle	62,500	0.00	62,500.00		0.00
1596	UT Southwestern Medical Center at Dallas	Synthesis of Lantidolactone F and Buxapentolactone	12,500	100,000.00	62,500.00		50,000.00
1603	UT Southwestern Medical Center at Dallas	Biochemical Study of Ubiquitin Pathways in Cell Signaling	12,500	170,000.00	102,500.00		80,000.00
1608	UT Southwestern Medical Center at Dallas	Mechanistic Studies of the Drosophila RNA Interference Pathway	12,500	100,000.00	62,500.00		50,000.00
1612	UT Southwestern Medical Center at Dallas	Synthesis and Application of Optically Active Allenes	12,500	130,000.00	82,500.00		60,000.00
1619	UT Southwestern Medical Center at Dallas	Targeting Subpopulation Phenotypes Associated with Drug Resistance	12,500	50,000.00	62,500.00		0.00
1622	UT Southwestern Medical Center at Dallas	Design and Synthesis of Tumor Targeted Drug Delivery Systems for Lung Cancer Therapy	12,500	50,000.00	62,500.00		0.00
1643	UT Southwestern Medical Center at Dallas	Affinity-Based Purification of Riboswitch Ligands	12,500	50,000.00	62,500.00		0.00
1644	UT Southwestern Medical Center at Dallas	Signaling Processing by the Neutrophil Chemotaxis Pathway	12,500	50,000.00	62,500.00		0.00
1657	UT Southwestern Medical Center at Dallas	The Role of the V0 ATPase in SNARE-Mediated Membrane Fusion	62,500	0.00	62,500.00		0.00
1660	UT Southwestern Medical Center at Dallas	Chemical Regulation of Adult Hippocampal Neurogenesis	62,500	0.00	62,500.00		0.00
1665	UT Southwestern Medical Center at Dallas	Modulation of Canonical Wnt Pathway Activity Using Small Molecules	62,500	0.00	62,500.00		0.00
1674	UT Southwestern Medical Center at Dallas	Noise-Induced Functional Differences Between Redundant Feedback Loops	62,500	0.00	62,500.00		0.00
1679	UT Southwestern Medical Center at Dallas	Chemical Genetic Approaches to the Biology and Treatment of Ewing's Sarcoma	12,500	0.00	12,500.00		0.00
1684	UT Southwestern Medical Center at Dallas	Structural Basis for the Ligand-Gating of a Type 1 IP3 Receptor	12,500	100,000.00	62,500.00		50,000.00
1686	UT Southwestern Medical Center at Dallas	A Photo-Sugar for O-GlcNAc Interaction Discovery	12,500	100,000.00	62,500.00		50,000.00
1689	UT Southwestern Medical Center at Dallas	New Methodology for the Determination of Stereochemistry in Polyketides	12,500	100,000.00	62,500.00		50,000.00
1692	UT Southwestern Medical Center at Dallas	Engineering α -Tubulin to Dissect the Molecular Mechanisms of Microtubule Assembly	12,500	0.00	12,500.00		0.00
1697	UT Southwestern Medical Center at Dallas	Functional Roles of the Biological Gases Hydrogen Sulfide and Carbon Monoxide	12,500	0.00	12,500.00		0.00
1701	UT Southwestern Medical Center at Dallas	New Chemical Approaches to Study Hematopoietic Stem Cells	12,500	0.00	12,500.00		0.00
1702	UT Southwestern Medical Center at Dallas	Studies of Autoinhibition Mechanisms for the GTPase-Activating Protein Activity of Plexin B1	12,500	100,000.00	62,500.00		50,000.00

#	Grantee	Description	Balance 8/31/2010	Total Approved	Total Paid	Cancel	Balance 8/31/2011
1704	UT Southwestern Medical Center at Dallas	Structural and Biochemical Analysis of Bacterial Protein Mimicry	12,500	50,000.00	62,500.00		0.00
1713	UT Southwestern Medical Center at Dallas	Biochemical Characterization of the Binding of Rpo3S to K36 Methylated Chromatin	12,500	50,000.00	62,500.00		0.00
1720	UT Southwestern Medical Center at Dallas	Biochemical Mechanism of the Glucose Sensing and Regulation of ChREBP Activity	12,500	50,000.00	62,500.00		0.00
1723	UT Southwestern Medical Center at Dallas	Chromatin Regulation of Neuronal Activity-Dependent Gene Expression	12,500	50,000.00	62,500.00		0.00
1724	UT Southwestern Medical Center at Dallas	Biochemical Regulation of the Orphan Nuclear Receptor TLX	12,500	50,000.00	62,500.00		0.00
1727	UT Southwestern Medical Center at Dallas	Apoptosome Control by Targo7/EIF3M Proteins	62,500	0.00	62,500.00		0.00
1732	UT Southwestern Medical Center at Dallas	Biochemical Analysis of a Viral RNA Stability Element with Its Cellular Colofactor, hnRNP C	62,500	0.00	62,500.00		0.00
1733	UT Southwestern Medical Center at Dallas	Dynamic Nuclear Polarization of Small Molecule Metabolic Probes: Novel Reagents for Monitoring Cancer Cell Metabolism	62,500	0.00	62,500.00		0.00
1748	UT Southwestern Medical Center at Dallas	Asymmetric Carbon-Carbon Bond Formation with Low Valent Iron Catalysts	62,500	0.00	62,500.00		0.00
1749	UT Southwestern Medical Center at Dallas	Chemistry and Enzymology of MICAL Family Oxidoreductases	62,500	0.00	62,500.00		0.00
1751	UT Southwestern Medical Center at Dallas	Biochemical Characterization of the Lipid Toxicity Mediated by Maternal PPAR γ Deficiency	62,500	0.00	62,500.00		0.00
1754	UT Southwestern Medical Center at Dallas	Novel Amyloid-Binding Peptoid Ligands as Alzheimer's Therapeutic	0	150,000.00	50,000.00		100,000.00
1762	UT Southwestern Medical Center at Dallas	Biochemical and Structural Studies of a Novel Reelinoid Binding Protein Family	0	150,000.00	50,000.00		100,000.00
1764	UT Southwestern Medical Center at Dallas	Synthesis of Complex Natural Products via Novel C-C Bond-Forming Processes	0	150,000.00	50,000.00		100,000.00
1770	UT Southwestern Medical Center at Dallas	Stabilization of Active and Inactive Conformations of Orexin Receptors for Crystallization	0	150,000.00	50,000.00		100,000.00
1776	UT Southwestern Medical Center at Dallas	Atomic Structure and Mechanism of the Gamma-Secretase Complex	0	150,000.00	50,000.00		100,000.00
0033	UT-El Paso	Chair	0	500,000.00	500,000.00		0.00
0045	UT at San Antonio	Chair	0	1,500,000.00	1,500,000.00		0.00
0001	Midwestern State Univ.	Chemistry Department Grant	0	60,000.00	30,000.00		30,000.00
0002	Prairie View A&M Univ.	Chemistry Department Grant	25,000	25,000.00	25,000.00		25,000.00
0003	Texas Wesleyan Univ.	Chemistry Department Grant	0	60,000.00	30,000.00		30,000.00
0004	Lamar Univ.	Chemistry Department Grant	50,000	0.00	50,000.00		0.00
0005	Southwestern Univ.	Chemistry Department Grant	50,000	0.00	50,000.00		0.00
0006	Texas A&M Univ.-Kingsville	Chemistry Department Grant	40,000	0.00	40,000.00		0.00
0007	Austin College	Chemistry Department Grant	35,000	35,000.00	35,000.00		35,000.00
0008	Stephen F. Austin State Univ.	Chemistry Department Grant	35,000	35,000.00	35,000.00		35,000.00
0011	Sam Houston State Univ.	Chemistry Department Grant	45,000	0.00	45,000.00		0.00
0012	Tarleton State Univ.	Chemistry Department Grant	0	60,000.00	30,000.00		30,000.00
0013	UT of the Permian Basin	Chemistry Department Grant	0	40,000.00	20,000.00		20,000.00
0014	Texas A&M Univ.-Commerce	Chemistry Department Grant	35,000	0.00	35,000.00		0.00
0015	Univ. Of Dallas	Chemistry Department Grant	35,000	0.00	35,000.00		0.00
0016	Houston Baptist Univ.	Chemistry Department Grant	30,000	30,000.00	30,000.00		30,000.00
0017	UT-Pan American	Chemistry Department Grant	40,000	40,000.00	40,000.00		40,000.00
0018	St. Edward's Univ.	Chemistry Department Grant	35,000	35,000.00	35,000.00		35,000.00
0019	Texas Lutheran Univ.	Chemistry Department Grant	30,000	30,000.00	30,000.00		30,000.00
0020	Texas Woman's Univ.	Chemistry Department Grant	35,000	35,000.00	35,000.00		35,000.00
0021	Abilene Christian Univ.	Chemistry Department Grant	0	70,000.00	35,000.00		35,000.00
0022	Univ. of Houston-Clear Lake	Chemistry Department Grant	0	70,000.00	35,000.00		35,000.00
0023	Sul Ross State Univ.	Chemistry Department Grant	20,000	0.00	20,000.00		0.00
0024	Univ. of St. Thomas	Chemistry Department Grant	30,000	0.00	30,000.00		0.00
0025	West Texas A&M Univ.	Chemistry Department Grant	25,000	0.00	25,000.00		0.00
0026	UT at San Antonio	Chemistry Department Grant	0	70,000.00	35,000.00		35,000.00
0027	Univ. of Houston-Downtown	Chemistry Department Grant	40,000	0.00	40,000.00		0.00
0028	LeTourneau Univ.	Chemistry Department Grant	25,000	25,000.00	25,000.00		25,000.00
0029	Angelo State Univ.	Chemistry Department Grant	0	70,000.00	35,000.00		35,000.00
0030	Jarvis Christian College	Chemistry Department Grant	0	40,000.00	20,000.00		20,000.00
0031	Trinity Univ.	Chemistry Department Grant	50,000	0.00	50,000.00		0.00
0032	Univ. of the Incarnate Word	Chemistry Department Grant	25,000	0.00	25,000.00		0.00

#	Grantee	Description	Balance 8/31/2010	Total Approved	Total Paid	Cancel	Balance 8/31/2011
0033	Univ. of Mary Hardin-Baylor	Chemistry Department Grant	25,000	0.00	25,000.00		0.00
0034	Schreiner University	Chemistry Department Grant	20,000	20,000.00	20,000.00		20,000.00
0035	Hardin-Simmons	Chemistry Department Grant	0	50,000.00	25,000.00		25,000.00
0038	McMurry University	Chemistry Department Grant	0	50,000.00	25,000.00		25,000.00
0037	UT at Tyler	Chemistry Department Grant	0	60,000.00	30,000.00		30,000.00
0038	UT at Brownsville	Chemistry Department Grant	25,000	0.00	25,000.00		0.00
0039	Wiley College	Chemistry Department Grant	15,000	0.00	15,000.00		0.00
0040	TAMU International Univ.	Chemistry Department Grant	0	50,000.00	25,000.00		25,000.00
0041	TAMU Univ.-Corpus Christi	Chemistry Department Grant	35,000	35,000.00	35,000.00		35,000.00
0042	Our Lady of the Lake University	Chemistry Department Grant	15,000	15,000.00	15,000.00		15,000.00
0043	Lubbock Christian Univ.	Chemistry Department Grant	0	40,000.00	20,000.00		20,000.00
0044	Wayland Baptist Univ.	Chemistry Department Grant	0	50,000.00	25,000.00		25,000.00
0045	Texas State University	Chemistry Department Grant	40,000	40,000.00	40,000.00		40,000.00
0046	TAMU-Galveston	Chemistry Department Grant	0	70,000.00	35,000.00		35,000.00
0052	Conference	The Welch Foundation Conference on Chemical Research	0	343,320.00	343,320.00		0.00
0038	Hackerman Award	Norman Hackerman Award in Chemical Research	0	231,357.00	231,357.00		0.00
0527	Welch Award	The Welch Foundation Award in Chemistry	0	739,810.00	739,810.00		0.00
127	Texas Interscholastic League Foundation	Undergraduate Scholarships	630,000	14,000.00	150,500.00	112,000.00	381,500.00
0001	The University of Texas at Austin	Welch Summer Scholar Program	0	286,000.00	75,000.00		211,000.00
0029	Rice University	Texas Academy of Science, Engineering and Medicine	0	25,000.00	25,000.00		0.00
0037	The University of Texas at Austin	Texas Center for Electrochemistry	1,000,000		1,000,000.00		0.00
0039	Rice University	2011 ACS-Paul Barbara Symposium	0	5,000.00	5,000.00		0.00
Total			11,537,500	25,254,587.00	29,768,696.00	448,391.00	6,575,000.00
		Approved and paid current year		18,973,586.00			
		Approved for future payment		6,281,001.00			

Institution	Address	
R Abilene Christian University	ACU Station, Box 29100	Abilene, TX 79699-9100
AJ Angelo State University	P.O. Box 11007, ASU Station	San Angelo, TX 76909
AD Austin College	900 North Grand Avenue	Sherman, TX 75090-4440
Q Baylor College of Medicine	One Baylor Plaza	Houston, TX 77030-3411
AA Baylor University	One Bear Place #97096	Waco, TX 76798-7096
AG Hardin-Simmons University	Box 16000	Abilene, TX 79698-6000
BF Houston Baptist University	7502 Fondren Road	Houston, TX 77074-3298
BM Jarvis Christian College	P.O. Box 1470	Hawkins, TX 75765-1470
V Lamar University	P.O. Box 10001	Beaumont, TX 77710
BL Letourneau University	P.O. Box 7001	Longview, TX 75607-7001
BV Lubbock Christian University	5601 19th Street	Lubbock, TX 79407-2099
Z McMurry University	McMurry Station Box 98	Abilene, TX 79697
AO Midwestern State University	3410 Taft Boulevard	Wichita Falls, TX 76308
BU Our Lady of The Lake University	411 S.W. 24th Street	San Antonio, TX 78207-4689
L Prairie View A&M University	P.O. Box 519	Prairie View, TX 77446-0519
C Rice University	6100 Main Street	Houston, TX 77005
X Sam Houston State University	SHSU Box 2026	Huntsville, TX 77341-2026
BO Schreiner University	2100 Memorial Boulevard	Kerrville, TX 78028-5697
N Southern Methodist University	P.O. Box 750100	Dallas, TX 75275-0100
AF Southwestern University	P.O. Box 770	Georgetown, TX 78627-0770
BH St. Edward's University	3001 South Congress Avenue	Austin, TX 78704
AN Stephen F. Austin State University	SFA Station, Box 6078	Nacogdoches, TX 75962-6078
AK Sul Ross State University	SR Box C-114	Alpine, TX 79832
AS Tarleton State University	P.O. Box T0001, Tarleton Station	Stephenville, TX 76402
BS Texas A&M International University	5201 University Boulevard	Laredo, TX 78041-1900
A Texas A&M University	1246 TAMU	College Station, TX 77843-1246
BD Texas A&M University at Galveston	PO Box 1675	Galveston, TX 77553-1675
BE Texas A&M University System HSC	301 Tarrow Street, 7th Floor	College Station, TX 77840-7896
T Texas A&M University-Commerce	P.O. Box 3011	Commerce, TX 75429-3011
BT Texas A&M University-Corpus Christi	6300 Ocean Drive	Corpus Christi, TX 78412
AC Texas A&M University-Kingsville	MSC 101, 700 University Boulevard	Kingsville, TX 78363-8202
P Texas Christian University	TCU Box 297080	Fort Worth, TX 76129
AR Texas Lutheran University	1000 West Court Street	Seguin, TX 78155-5978
J Texas Southern University	3100 Cleburne Street	Houston, TX 77004
AI Texas State University-San Marcos	601 University Drive, JCK 489	San Marcos, TX 78666
D Texas Tech University	Box 42005	Lubbock, TX 79409-2005
BI Texas Tech University Health Sciences Center	3601 4th Street, STOP 6258	Lubbock, TX 79430
AZ Texas Wesleyan University	1201 Wesleyan Street	Fort Worth, TX 76105-1536
M Texas Woman's University	P.O. Box 425587	Denton, TX 76204-5587
BG The University of Texas - Pan American	1201 West University Drive, AB329	Edinburg, TX 78541-2999
Y The University of Texas at Arlington	701 South Nedderman Drive	Arlington, TX 76019-0125
F The University of Texas at Austin	Main Building 302, MC G1400, P.O. Box 7996	Austin, TX 78712-1111
BQ The University of Texas at Brownsville	80 Fort Brown	Brownsville, TX 78520
AT The University of Texas at Dallas	P.O. Box 830688	Richardson, TX 75083-0688
AH The University of Texas at El Paso	500 West University Avenue	El Paso, TX 79968-0500
AX The University of Texas at San Antonio	6900 N. Loop 1604 West	San Antonio, TX 78249
BP The University of Texas at Tyler	3900 University Boulevard	Tyler, TX 75799
AU The University of Texas HSC at Houston	P.O. Box 20036	Houston, TX 77225-0036
AQ The University of Texas HSC at San Antonio	7703 Floyd Curl Drive, MSC 7834	San Antonio, TX 78229-3900
G The University of Texas M. D. Anderson Cancer Center	1515 Holcombe Blvd., Unit 541	Houston, TX 77030-4009
AW The University of Texas of The Permian Basin	4901 E. University	Odessa, TX 79762-8301
I The University of Texas Southwestern Medical Center at Dallas	5323 Harry Hines Boulevard	Dallas, TX 75390-9002
W Trinity University	One Trinity Place	San Antonio, TX 78212-7200
BA University of Dallas	1845 East Northgate Drive	Irving, TX 75062
E University of Houston	4800 Calhoun Road	Houston, TX 77004-2018
BC University of Houston-Clear Lake	2700 Bay Area Boulevard	Houston, TX 77058-1098
BJ University of Houston-Downtown	One Main Street, Room 990-S	Houston, TX 77002
AY University of Mary Hardin-Baylor	UMHB Station, 900 College Street	Belton, TX 76513-2599
B University of North Texas	P.O. Box 311425	Denton, TX 76203-5017

Institution	Address	
BK University of North Texas HSC at Fort Worth	3500 Camp Bowie Boulevard	Fort Worth, TX 76107-2699
AV University of St. Thomas	3800 Montrose Boulevard	Houston, TX 77006-4626
BN University of The Incarnate Word	4301 Broadway	San Antonio, TX 78209
H UT Medical Branch at Galveston	301 University Boulevard	Galveston, TX 77555-0156
BW Wayland Baptist University	1900 West 7th Street	Plainview, TX 79072-6998
AE West Texas A&M University	WTAMU Box 60997	Canyon, TX 79016-0001
BR Wiley College	711 Wiley Avenue	Marshall, TX 75670

THE WELCH FOUNDATION
THE ROBERT A. WELCH AWARD IN CHEMISTRY

PURPOSE OF THE AWARD

The purpose of The Robert A. Welch Award in Chemistry is to foster and encourage basic chemical research and to recognize, in a substantial manner, the value of chemical research contributions for the benefit of mankind as set forth in the will of Robert Alonzo Welch. The Founder was interested in chemistry, and in its service to both the betterment and the understanding of human life. It is also believed this award will play an important role in aiding and strengthening the other programs of the Foundation.

In accordance with these principles, any person can be considered for the award who has made important chemical research contributions which have a significant, positive influence on mankind. The award is intended to recognize contributions that have not previously been rewarded in a similar manner.

NOMINATIONS

Nominations will be solicited from selected organizations and individuals. Nominations received from other organizations and individuals will be considered, though no person may nominate oneself. Directors and officers of the Foundation and members of the Scientific Advisory Board of the Foundation may not make nominations nor are they eligible to receive the award.

All nominations must include (a) a brief biographical sketch of the proposed nominee, (b) a list of 25 of the nominee's most important scientific publications, (c) a statement of the research areas in chemistry on which the nomination is based, and (d) not more than three seconding nomination letters.

Nominations with supporting documents should be sent to the address at the bottom of this page.

AWARD PROCEDURE

The Scientific Advisory Board of the Foundation will review all nominations that are received in the Foundation office prior to February 1, the established deadline for a specific award year, and that meet the nomination conditions stated above.

The Scientific Advisory Board will consider all of the official nominations on their merit, consider whether or not any nominee or nominees are worthy of the award, and will recommend to the Board of Directors not more than three nominees they determine are qualified to receive the award. The Board of Directors will select the awardee.

The Robert A. Welch Award in Chemistry shall be awarded, when justified. The presentation of the award shall be at a dinner held to honor the recipient. The awardee will be required to be present. The monetary amount of the award is \$300,000.

5555 San Felipe, Suite 1900
Houston, Texas 77056-2730
713-961-9884 • Fax: 713-961-5168
www.welch1.org

THE WELCH FOUNDATION
NORMAN HACKERMAN AWARD
IN CHEMICAL RESEARCH

PURPOSE OF THE AWARD

The Norman Hackerman Award in Chemical Research was established to recognize the accomplishments of chemical scientists in Texas who are in their early careers and to serve as an encouragement to those who are embarking on careers dedicated to increasing our fundamental understanding of chemistry. The award is intended for the personal benefit of the recipient, and carries no requirement for future services as a condition of receiving it.

NOMINATIONS

The award will be made on an annual basis, when warranted, to a scientist conducting chemical research in Texas. On June 30 for the year in which nominated, a candidate for the award must be within 10 years of his or her initial appointment as an assistant professor or equivalent. For example, for the 2012 award, the initial appointment of the candidate as an assistant professor or equivalent must have begun no earlier than July 1, 2002.

Nominations will be solicited from selected organizations and individuals. Nominations received from other organizations and individuals in and outside of Texas will also be considered, but self-nominations are not allowed. To be eligible, a nominee must have spent the most recent three (3) years ending June 30, 2012 doing chemical research in Texas. Directors and Officers of the Foundation and members of the Scientific Advisory Board of the Foundation are not eligible to receive the award.

The nomination must include (a) a brief statement of the basis for the nomination, (b) a complete curriculum vitae including the nominee's date of birth, the date of initial appointment as an assistant professor or equivalent, and the year the nominee began doing chemical research in Texas, (c) a complete publication listing including a copy of 3-5 of the nominee's most important research publications, and (d) three (3) supporting letters from individuals in the nominee's field. The supporting letters should be mailed independently and directly to the Foundation.

Nominations and supporting letters should be sent to: The Welch Foundation, 5555 San Felipe, Suite 1900, Houston, TX 77056-2730. Questions can be sent to info@welch1.org.

AWARD PROCEDURE

The Scientific Advisory Board of the Foundation will review all complete nominations that are received in the Foundation office prior to September 15.

The Scientific Advisory Board will evaluate all of the nominations on their merit, consider whether or not any nominee or nominees are worthy of the award, and will recommend to the Board of Directors not more than three (3) nominees they determine are qualified to receive the award. The Board of Directors will select the awardee. All recommendations and selections will be made on an objective and nondiscriminatory basis using criteria reasonably related to the purposes of the award.

The award will normally be presented at a function on the campus of the awardee's institution. The current monetary amount of the award is \$100,000.

THE WELCH FOUNDATION
DEPARTMENTAL RESEARCH GRANT GUIDELINES
EFFECTIVE JUNE 1, 2011

PURPOSE

The purpose of the grant is to support chemical research by members of the chemistry department faculty, and to provide an opportunity for students to study chemistry in a less structured way.

GRANT APPLICATIONS

Applications are restricted to universities and colleges located within the state of Texas. The Foundation will respond to all grant applications. Awards will require formal acceptance by the grantee institution of the Foundation's award letter and all terms and conditions stated in these Departmental Research Grant Guidelines.

The application should include one original of the following information on 8 1/2" x 11" paper (single-sided preferred):

1. Cover page (Foundation Proposal form).
2. Biographical sketches for each department faculty member, limited to one page per person.
3. Additional information. The proposal must be clear, readily legible, and conform to the following requirements: (a) the font size must be 11 points or larger, (b) line spacing must be at least 1.5-spaced but no more than five (5) lines of text per vertical inch, and (c) margins must be at least an inch in all directions. This section should be no more than five pages including any exhibits. References are not included in the five page limitation. These guidelines establish the minimums required. Departments are advised that readability is of paramount importance and not being in compliance with these guidelines may be grounds to return the proposal without review.
4. Budget Request (Foundation form). The initial grant amount should be the amount per year as indicated in the invitation letter.

EXPENDITURES

Funds may be utilized for direct expenditures in accordance with the following:

1. STIPENDS, FELLOWSHIPS, AND SCHOLARSHIPS

- a. Faculty summer research stipend, amount per month shall not exceed the monthly academic salary rate. The total of the faculty summer research stipends and fringe benefits combined must not exceed 20% of the annual grant amount per year.
- b. Undergraduate scholarships, at a level set by the grantee institution. Appointments must cover at least one meaningful period such as an academic year, semester, quarter, or summer.
- c. Graduate fellowships, at a level set by the grantee institution. Appointments must cover at least one meaningful period such as an academic year, semester, quarter, or summer.

2. FRINGE BENEFITS

Amounts may be paid for individuals receiving stipends, fellowships, or scholarships.

3. PERMANENT SCIENTIFIC EQUIPMENT

Items with at least one year useful life expectancy and costing a minimum of \$5,000.

4. EXPENDABLE SCIENTIFIC ITEMS, SERVICES, AND EQUIPMENT MAINTENANCE

The grantee institution must maintain a record of actual expenditures, by category, for inclusion in the financial statement.

5. PUBLICATION EXPENSES

Expenses for publishing the results of research accomplished under the grant.

6. TRAVEL

Travel expenses, including registration fees, by faculty members and the fellowship or scholarship recipients under the grant. Total expenditures may not exceed \$1,500 per grant year.

Grant funds for direct expenditures may be utilized for any proper purpose beneficial to the research and not specifically excluded by the Foundation. Any expenditures made outside of these guidelines may result in a request for refund. The following are excluded as direct expenditures:

1. General office supplies, equipment, or expenses.
2. Building construction, alteration, renovation, rent, or utilities.
3. Personnel expenses other than stipends, fellowships, and scholarships as detailed above.
4. Consultant fees and/or related expenditures.
5. Student tuition or fees.
6. Membership Dues.
7. Overhead.

CONTROL OF RESEARCH

The conduct and supervision of all research performed under a Foundation grant shall be within the exclusive control of the grantee institution. In accepting a grant, the grantee institution agrees to assume the entire responsibility for the research, for taking any necessary precautions for protection of persons and property, for the proper operation and maintenance of all equipment in research activities and for the safe disposal of any hazardous waste materials.

GRANT PAYMENTS

Grant funds will normally be paid by the Foundation at the beginning of the grant year which is June 1st.

APPOINTMENTS

The purpose of undergraduate scholarships and graduate fellowships is education and training in chemistry through research. All scholarships and fellowships must have signed letters of appointment at the grantee institution. A recipient-signed acceptance copy of the appointment letter must be retained on file at the grantee institution for examination when required.

There shall not be any employer-employee relationship between the Foundation and the faculty members or recipients of appointments under Foundation grants.

ATTRIBUTION RIGHTS

Any publication in scientific media shall include an acknowledgement referencing the Welch grant number and stating that the research was funded in part by a grant from The Welch Foundation. In addition, the background section of any patent application filed on an invention made with the assistance of a Welch Foundation grant shall include an acknowledgement referencing the Welch grant number and stating that the development of this invention was funded in part by The Welch Foundation.

YEAR-END REPORTS (due by July 31 of each year)

1. Progress Report (Foundation form) to include the following:
 - a. Grant objective for the current grant year.
 - b. Statement of the how the grant impacted the program during the current grant year.
 - c. All department faculty members. (Indicate those who participated on the grant during the current grant year.)
 - d. Students who participated on the grant during the current grant year.
 - e. List the number of chemistry graduates over the past year.
 - f. List of publications, in which faculty and/or students are the author or co-author.

Section 6A. – Refereed articles as they appeared when published. Articles reported in this section must have appeared in print, have acknowledged Welch Foundation support including the grant number, and have not previously been reported to the Foundation in this section. One copy of each article must be enclosed with the report.

Section 6B. – Refereed "In Press" Articles. Articles reported in this section are refereed articles that are either in press, submitted, or accepted for publication. These articles should acknowledge Welch Foundation support, have not been previously reported to the Foundation, and should be reported in Section 6A in the grant year they appear in print. Copies of these articles should only be sent when listed in Section 6A.

Section 7. – Other published articles or patents. Articles reported in this section should include conference or symposium proceedings, books, or other invited articles with original material. Also include any patent applications filed on any inventions made with the assistance of The Welch Foundation. Articles listed in this section must have appeared in print, have acknowledged Welch Foundation support, and have not previously been reported to the Foundation.
 - g. Report on how the grant funds were used and what effect the funds may have had on the department or the students. This report including any exhibits or attachments should be no more than five pages.
2. Financial Statement (Foundation form) covering the most recent grant year (June 1 - May 31). All amounts should be reported on a cash basis. A financial statement which has an unexpended balance carry forward and/or a change in category of more than \$10,000 must be accompanied by a letter explaining the circumstances and the need.
3. Amended Budget Request (Foundation form) is required when an unexpended balance from a preceding year is carried forward to the following grant year. An unexpended balance carry forward and/or a change in category of more than \$10,000 must be accompanied by a letter from the grantee institution explaining the circumstances and the need.

TERMINATION OF GRANTS

A grant may be cancelled for cause if progress toward the objective of the grant is not being made satisfactorily or if the grantee institution is not in compliance with the terms and conditions of the award letter. Once the department or grantee institution is aware the grant will terminate, expenditures can no longer be made for permanent scientific equipment. In addition, any expenses for expendable scientific items must only be for items that will be utilized during the remainder of the grant term.

The following shall be forwarded to the Foundation within 60 days after the termination of a grant for any reason:

1. Final Progress Report. (Foundation form)
2. Final Financial Statement. (Foundation form)

A refund of any unexpended balance will be requested after the Final Financial Statement has been approved.

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Houston, TX 77056-2730
713-961-9884 Fax: 713-961-5168
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info@welch1.org

THE WELCH FOUNDATION
DEPARTMENTAL RESEARCH GRANT PROGRAM
PROPOSAL ON BASIC CHEMICAL RESEARCH

Grantee Institution _____ Grant No. _____
Department Chair _____ Phone _____ Email _____

1. GRANT OBJECTIVE. (Additional information may be submitted on subsequent pages, but should be limited to five (5) pages or less.)

2. LIST ALL DEPARTMENT FACULTY. (Include a brief one page bio of each faculty member. Also include any unfilled faculty positions in the department.)

3. ANTICIPATED STUDENT PARTICIPANTS.

(Space below is for Foundation use.)

--

4. NUMBER OF CHEMISTRY GRADUATES. Input the number of undergraduate students who have graduated in chemistry over the past three (3) years. Please note in the appropriate box if any of these students have gone on to post baccalaureate work in chemistry, biochemistry, chemical engineering, medicine or other allied sciences. If known, also indicate students who have gone into industry or other areas.

<u>Chemistry</u>	<u>Biochemistry</u>	<u>Chemical Engineering</u>	<u>Medicine</u>	<u>Other Allied Sciences</u>	<u>Industry</u>	<u>Other</u>	<u>Total</u>
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5. CURRENT GRANTS TO THE DEPARTMENT OR TO THE DEPARTMENT FACULTY.

<u>SOURCE</u>	<u>TITLE</u>	<u>PERIOD</u>	<u>DIRECT COSTS PER YEAR</u>
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THE WELCH FOUNDATION
DEPARTMENTAL RESEARCH GRANT PROGRAM
BUDGET REQUEST

Taxpayer Id:
76-0343128
Schedule 10

June 1, 2012
thru
May 31, 2013

1. STIPENDS, FELLOWSHIPS AND SCHOLARSHIPS

a. Faculty summer research stipend. \$ _____
b. Graduate fellowships
 (1) _____
 (2) _____
c. Undergraduate scholarships
 (1) _____
 (2) _____
 (3) _____
 (4) _____
 (5) _____
 (6) _____
 TOTAL (Add items 1a thru 1c) _____

2. FRINGE BENEFITS

a. Faculty summer research stipend. _____
b. Graduate fellowships
 (1) _____
 (2) _____
c. Undergraduate scholarships
 (1) _____
 (2) _____
 (3) _____
 (4) _____
 (5) _____
 (6) _____
 TOTAL (Add items 2a thru 2c) _____

3. PERMANENT SCIENTIFIC EQUIPMENT

a. _____
b. _____
 TOTAL (Add items 3a and 3b) _____

4. EXPENDABLE SCIENTIFIC ITEMS, SERVICES AND EQUIPMENT MAINTENANCE _____

5. PUBLICATION EXPENSES. _____

6. TRAVEL. _____

7. PROJECT TOTAL (Add items 1 thru 6) \$ _____

APPROVED BY:

_____ Grantee Institution	_____ Department Chair (Printed Name)	_____ Grant No.
_____ President or Authorized Representative	_____ Date	_____ Department Chair (Signature)
		_____ Date

**THE WELCH FOUNDATION
RESEARCH GRANT PROGRAM GUIDELINES
EFFECTIVE JUNE 1, 2011**

PURPOSE

The purpose of the research grant program is to support fundamental chemical research at educational institutions within the state of Texas.

GRANT APPLICATIONS

Applications are restricted to universities, colleges, or other educational institutions located within the state of Texas. Research under a grant should be conducted under the leadership of a principal investigator who is a full-time regular faculty member with tenure or is on tenure track. Applications must be received by February 1 to be considered for the next grant year, June 1 - May 31. Only one proposal per year may be submitted by a principal investigator. In addition, any principal investigator with a Welch research grant is not normally eligible for any additional Welch funding during the grant period.

The Foundation will respond to all grant applications. Awards will require formal acceptance by the grantee institution of the Foundation's award letter and all terms and conditions stated in these Research Grant Program Guidelines.

The application should include one original of the following items on 8 1/2" x 11" paper (single-sided preferred). The proposal must be clear, readily legible, and conform to the following requirements: (a) the font size must be 11 points or larger, (b) line spacing must be at least 1.5-spaced but no more than five (5) lines of text per vertical inch, and (c) margins must be at least an inch in all directions. Foundation forms must not be modified from their original appearance. These guidelines establish the minimums required. Principal investigators are advised that readability is of paramount importance and not being in compliance with these guidelines may be grounds to return the proposal without review:

1. Cover page with scientific summary (Foundation form).
2. Description of the project. Cover the background and the approach of the research proposal of the principal investigator. This section should be no more than five pages including any exhibits. References are not included in the five page limitation.
3. Principal investigator's biographical sketch, limited to two pages.
4. Bibliography of the principal investigator. List all of the papers published by the principal investigator in refereed journals within the last 24 months and selected papers published within the last five years most pertinent to the proposed project.
5. A letter from the grantee institution stating that the principal investigator is a full-time faculty member with tenure or is on tenure track.
6. Budget. The initial grant amount should normally be \$50,000 per year for three (3) years (Foundation form).

Funds may be utilized for direct expenditures in accordance with the following:

1. FELLOWSHIPS AND SCHOLARSHIPS

- a. Postdoctoral fellowships, at a level set by the grantee institution. Appointments should normally be for 12 months, but ordinarily and initially for not less than three months.
- b. Graduate fellowships, at a level set by the grantee institution. Appointments must cover at least one meaningful period such as an academic year, semester, quarter, or summer.
- c. Undergraduate scholarships, at a level set by the grantee institution. Appointments must cover at least one meaningful period such as an academic year, semester, quarter, or summer.

2. FRINGE BENEFITS

Amounts may be paid for individuals receiving fellowships or scholarships.

3. PERMANENT SCIENTIFIC EQUIPMENT

Items with at least one year useful life expectancy and costing a minimum of \$5,000.

4. EXPENDABLE SCIENTIFIC ITEMS, SERVICES, AND EQUIPMENT MAINTENANCE

The grantee institution must maintain a record of actual expenditures, by category, for inclusion in the financial statement.

5. PUBLICATION EXPENSES

Expenses for publishing the results of research accomplished with the grant.

6. TRAVEL

Travel expenses, foreign or domestic, including registration fees, by the principal investigator and current fellowship or scholarship recipients under the grant. Travel must be relevant to the research. Total expenditures may not exceed \$1,500 per grant year.

Grant funds for direct expenditures may be utilized for any proper purpose beneficial to the research and not specifically excluded by the Foundation. Any expenditures made outside of these guidelines may result in a request for refund. The following are excluded as direct expenditures:

1. General office supplies, equipment, or expenses.
2. Building construction, alteration, renovation, rent, or utilities.
3. Personnel expenses other than fellowships and scholarships as detailed above.
4. Consultant fees and/or related expenditures.
5. Student tuition or fees.
6. Membership dues.
7. Overhead.

CONTROL OF RESEARCH

The conduct and supervision of all research performed under a Foundation grant shall be within the exclusive control of the grantee institution. In accepting a grant, the grantee institution agrees to assume the entire responsibility for the research, for taking any necessary precautions for protection of persons and property, for the proper operation and maintenance of all equipment in research activities, and for the safe disposal of any hazardous waste materials.

GRANT PAYMENTS

Grant funds will normally be paid by the Foundation on a quarterly basis. Equal payments will be made on the first day of June, September, December, and March.

APPOINTMENTS

The purpose of postdoctoral and graduate fellowships and undergraduate scholarships is education and training in chemistry through research. All postdoctoral and graduate fellowships and undergraduate scholarships must have signed letters of appointment at the grantee institution. A recipient-signed acceptance copy of the appointment letter must be retained on file at the grantee institution for examination when required. Joint appointments may be made with other external funding but at least 50 percent of the individual's external support must be from the Welch grant. Postdoctoral fellows may receive funding for a total of five years in a postdoctoral position. This may be five consecutive years or a cumulative sum equal to five years. However, the postdoctoral fellow may not receive Welch Foundation support for more than three years.

There shall not be any employer-employee relationship between the Foundation and the principal investigators or recipients of appointments under Foundation grants.

ABSENCE OF PRINCIPAL INVESTIGATOR

If a principal investigator expects to be away from the grantee institution for an appreciable period of time, the Foundation must be informed in advance. The grant will become inactive unless the grantee institution submits a written request acceptable to the Foundation demonstrating that the grant will remain under the full control of the grantee institution.

TRANSFER OF PRINCIPAL INVESTIGATOR

If a principal investigator transfers from the grantee institution, normal closeout procedures should be carried out at the grantee institution with respect to the grant. A new grant proposal may be submitted by any Texas educational institution to which a principal investigator has transferred.

ATTRIBUTION RIGHTS

Any publication in scientific media shall include an acknowledgement referencing the Welch grant number and stating that the research was funded in part by a grant from The Welch Foundation. In addition, the background section of any patent application filed on an invention made with the assistance of a Welch Foundation grant shall include an acknowledgement referencing the Welch grant number and stating that the development of this invention was funded in part by The Welch Foundation.

YEAR-END REPORTS (due by July 31 of each year)

1. Progress Report (Foundation form). Font size must be 11 points or larger with line spacing of at least 1.5-spacing and must include the following:

- a. Statement of the research objective for the current grant year.
- b. Brief report of the progress of the research for the current grant year.
- c. List of publications, in which the principal investigator is the author or co-author.

Section 3A. – Refereed articles as they appeared when published. Articles reported in this section must have appeared in print, have acknowledged Welch Foundation support including the grant number, and have not previously been reported to the Foundation in this section. One copy of each article must be enclosed with the report.

Section 3B. – Refereed "In Press" Articles. Articles reported in this section are refereed articles that are either in press, submitted, or accepted for publication. These articles should acknowledge Welch Foundation support, have not been previously reported to the Foundation, and should be reported in Section 3A in the grant year they appear in print. Copies of these articles should only be sent when listed in Section 3A.

Section 4. – Other published articles or patents. Articles reported in this section should include conference or symposium proceedings, books, or other invited articles with original material. Also include any patent applications filed on any inventions made with the assistance of The Welch Foundation. Articles listed in this section must have appeared in print, have acknowledged Welch Foundation support, and have not previously been reported to the Foundation.

2. Financial Statement (Foundation form) reporting the most recent grant year (June 1 - May 31). All amounts should be reported on a cash basis. A financial statement which has an unexpended balance carry forward and/or a change in category of more than \$20,000 must be accompanied by a letter explaining the circumstances and the need.
3. Amended Budget Request (Foundation form) is required when an unexpended balance from a preceding year is carried forward to the following grant year. An unexpended balance carry forward and/or a change in category of more than \$20,000 must be accompanied by a letter from the grantee institution explaining the circumstances and the need.

TERMINATION OF GRANTS

A grant may be cancelled for cause if progress toward the objective of the grant is not satisfactorily being made or if the grantee institution or the principal investigator is not in compliance with the terms and conditions of the award letter. Once the principal investigator or grantee institution is aware the grant will terminate, expenditures can no longer be made for permanent scientific equipment. In addition, any expenses for expendable scientific items must only be for items that will be utilized during the remainder of the grant term.

The following shall be forwarded to the Foundation within 60 days after the termination of a grant for any reason:

1. Final Progress Report. (Foundation form)
2. Final Financial Statement. (Foundation form)

A refund of any unexpended balance will be requested after the Final Financial Statement has been approved.

5555 San Felipe, Suite 1900
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713-961-9884 Fax: 713-961-5168
www.welch1.org
info@welch1.org

THE WELCH FOUNDATION
RESEARCH GRANT PROGRAM
PROPOSAL ON BASIC CHEMICAL RESEARCH

Grant No. _____

Title of Research _____

Grantee Institution _____ Department _____

Principal Investigator(s) _____ Academic Rank _____

Email Address _____

Address of Grantee Institution _____

Scientific Summary (limited to this space to be prepared by the principal investigator and approved by the grantee institution).

List on reverse side current and applied for research within the last 12 months. (Space below is for Foundation use.)

--

CURRENT AND APPLIED FOR GRANTS
WITHIN THE LAST TWELVE MONTHS
BY PRINCIPAL INVESTIGATOR

<u>SOURCE</u>	<u>TITLE</u>	<u>PERIOD</u>	<u>DIRECT COSTS PER YEAR</u>
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THE WELCH FOUNDATION
RESEARCH GRANT PROGRAM
BUDGET REQUEST

Taxpayer Id:
76-0343128
Schedule 10

	06/01/2011 thru 05/31/2012	06/01/2012 thru 05/31/2013	06/01/2013 thru 05/31/2014	Total
1. FELLOWSHIPS AND SCHOLARSHIPS				
a. Postdoctoral fellowships				
(1) _____	\$ _____	\$ _____	\$ _____	\$ _____
(2) _____	_____	_____	_____	_____
b. Graduate fellowships				
(1) _____	_____	_____	_____	_____
(2) _____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____
c. Undergraduate scholarships				
(1) _____	_____	_____	_____	_____
(2) _____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____
TOTAL (Add items 1a thru 1c). . . .	_____	_____	_____	_____
2. FRINGE BENEFITS				
a. Postdoctoral fellowships				
(1) _____	\$ _____	\$ _____	\$ _____	\$ _____
(2) _____	_____	_____	_____	_____
b. Graduate fellowships				
(1) _____	_____	_____	_____	_____
(2) _____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____
c. Undergraduate scholarships				
(1) _____	_____	_____	_____	_____
(2) _____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____
TOTAL (Add items 2a thru 2c). . . .	_____	_____	_____	_____
3. PERMANENT SCIENTIFIC EQUIPMENT				
a. _____	_____	_____	_____	_____
b. _____	_____	_____	_____	_____
TOTAL (Add items 3a and 3b).	_____	_____	_____	_____
4. EXPENDABLE SCIENTIFIC ITEMS, SERVICES AND EQUIPMENT MAINTENANCE.				
_____	_____	_____	_____	_____
5. PUBLICATION EXPENSES				
_____	_____	_____	_____	_____
6. TRAVEL				
_____	_____	_____	_____	_____
7. PROJECT TOTAL (Add items 1 thru 6)	\$ _____	\$ _____	\$ _____	\$ _____

APPROVED BY:

Grantee Institution	Investigator (Printed Name)	Grant No.
President or Authorized Representative	Investigator (Signature)	Date
Date		

Taxpayer's I.D.
76-0343128

Schedule 11

The Robert A. Welch Foundation
990PF
Year Ended August 31, 2011
Schedule of Depreciable Property

Description	Date Acquired	Cost	Accumulated Depreciation	Method/ Life	Depreciation Expense
General Depreciation					
Leasehold Improvements	1-15-96	214,954	78,682	S/L 39	5,512
Furniture and Equipment	3-01-07	8,760	4,379	S/L 7	1,251
Furniture and Equipment	10-31-08	321	69	S/L 7	46
Furniture and Equipment	3-31-10	90	6	S/L 7	13
Computer Hardware	3-01-08	23,341	11,670	S/L 5	4,668
Computer Hardware	11-05-08	563	169	S/L 5	113
Computer Hardware	3-31-10	79	8	S/L 5	16
Computer Hardware	5-28-10	111	11	S/L 5	22
Computer Hardware	8-31-11	11,304	0	S/L 5	283
Computer Software	3-01-08	2,871	2,393	S/L 3	957
Computer Software	9-10-08	334	167	S/L 3	111
Computer Software	5-28-10	276	46	S/L 3	92
		<u>262,394</u>	<u>97,600</u>		<u>12,880</u>
Listed Property					
Automobile		3,011	2,389	S/L 5	603
Automobile	6-23-07	16,701	8,651	S/L 5	<u>3,340</u>
Total Depreciation					<u><u>16,824</u></u>

See Schedule 2 for Depreciation and Depletion totals.

Application for Extension of Time To File an
Exempt Organization Return

OMB No 1545-1709

▶ File a separate application for each return.

- If you are filing for an **Automatic 3-Month Extension**, complete only **Part I** and check this box ☒ **X**
- If you are filing for an **Additional (Not Automatic) 3-Month Extension**, complete only **Part II** (on page 2 of this form).

Do not complete Part II unless you have already been granted an automatic 3-month extension on a previously filed Form 8868

Electronic filing (e-file) You can electronically file Form 8868 if you need a 3-month automatic extension of time to file (6 months for a corporation required to file Form 990-T), or an additional (not automatic) 3-month extension of time. You can electronically file Form 8868 to request an extension of time to file any of the forms listed in Part I or Part II with the exception of Form 8870, Information Return for Transfers Associated With Certain Personal Benefit Contracts, which must be sent to the IRS in paper format (see instructions). For more details on the electronic filing of this form, visit www.irs.gov/efile and click on e-file for Charities & Nonprofits.

Part I Automatic 3-Month Extension of Time. Only submit original (no copies needed).

A corporation required to file Form 990-T and requesting an automatic 6-month extension - check this box and complete

Part I only ☐

All other corporations (including 1120-C filers), partnerships, REMICs, and trusts must use Form 7004 to request an extension of time to file income tax returns

Type or print File by the due date for filing your return See instructions	Name of exempt organization	Employer identification number
	THE ROBERT A. WELCH FOUNDATION	76-0343128
	Number, street, and room or suite no. If a P O box, see instructions	
	5555 SAN FELIPE, SUITE 1900	
	City, town or post office, state, and ZIP code For a foreign address, see instructions	
	HOUSTON, TX 77056-2730	

Enter the Return code for the return that this application is for (file a separate application for each return)

Application Is For	Return Code	Application Is For	Return Code
Form 990	01	Form 990-T (corporation)	07
Form 990-BL	02	Form 1041-A	08
Form 990-EZ	03	Form 4720	09
Form 990-PF	04	Form 5227	10
Form 990-T (sec. 401(a) or 408(a) trust)	05	Form 6069	11
Form 990-T (trust other than above)	06	Form 8870	12

- The books are in the care of ▶ NORBERT DITTRICH

Telephone No. ▶ 713 961-9884

FAX No ▶ 713 961-5168

- If the organization does not have an office or place of business in the United States, check this box ☐
- If this is for a Group Return, enter the organization's four digit Group Exemption Number (GEN) . If this is for the whole group, check this box ☐ . If it is for part of the group, check this box ☐ and attach a list with the names and EINs of all members the extension is for.

- 1 I request an automatic 3-month (6 months for a corporation required to file Form 990-T) extension of time until 04/15, 20 12, to file the exempt organization return for the organization named above. The extension is for the organization's return for.
- ▶ ☐ calendar year 20 or
- ▶ ☒ tax year beginning 09/01, 20 10, and ending 08/31, 20 11.

- 2 If the tax year entered in line 1 is for less than 12 months, check reason. ☐ Initial return ☐ Final return
- ☐ Change in accounting period

3a If this application is for Form 990-BL, 990-PF, 990-T, 4720, or 6069, enter the tentative tax, less any nonrefundable credits. See instructions.	3a \$	462,804.
b If this application is for Form 990-PF, 990-T, 4720, or 6069, enter any refundable credits and estimated tax payments made. Include any prior year overpayment allowed as a credit.	3b \$	567,026.
c Balance Due. Subtract line 3b from line 3a. Include your payment with this form, if required, by using EFTPS (Electronic Federal Tax Payment System). See instructions.	3c \$	0.

Caution. If you are going to make an electronic fund withdrawal with this Form 8868, see Form 8453-EO and Form 8879-EO for payment instructions.

For Paperwork Reduction Act Notice, see Instructions.

Form 8868 (Rev 1-2011)

- If you are filing for an **Additional (Not Automatic) 3-Month Extension**, complete only **Part II** and check this box ☒ **X**
- Note. Only complete Part II if you have already been granted an automatic 3-month extension on a previously filed Form 8868
- If you are filing for an **Automatic 3-Month Extension**, complete only **Part I** (on page 1)

Part II Additional (Not Automatic) 3-Month Extension of Time. Only file the original (no copies needed).

Type or print File by the extended due date for filing the return See instructions	Name of exempt organization		Employer identification number
	The Robert A. Welch Foundation		76-0343128
	Number, street, and room or suite number. If a P.O. box, see instructions		
	5555 San Felipe, #1900		
City, town, or post office, state, and ZIP code. For a foreign address, see instructions			
Houston TX 77056-2730			

Enter the Return code for the return that this application is for (file a separate application for each return) 04

Application Is For	Return Code	Application Is For	Return Code
Form 990	01		
Form 990-BL	02	Form 1041-A	08
Form 990-EZ	03	Form 4720	09
Form 990-PF	04	Form 5227	10
Form 990-T (section 401(a) or 408(a) trust)	05	Form 6069	11
Form 990-T (trust other than above)	06	Form 8870	12

STOP! Do not complete Part II if you were not already granted an automatic 3-month extension on a previously filed Form 8868.

- The books are in care of Norbert Ditttrich
Telephone No. (713) 961-9884 FAX No. (713) 961-5168
- If the organization does not have an office or place of business in the United States, check this box ☐
- If this is for a Group Return, enter the organization's four digit Group Exemption Number (GEN) If this is for the whole group, check this box ☐ If it is for part of the group, check this box ☐ and attach a list with the names and EINs of all members the extension is for.

- I request an additional 3-month extension of time until Jul 16, 20 12
- For calendar year or other tax year beginning Sep 1, 20 10 and ending Aug 31, 20 11
- If the tax year entered in line 5 is for less than 12 months, check reason ☐ Initial return ☐ Final return ☐ Change in accounting period
- State in detail why you need the extension K-1's were received substantially after our fiscal year end. Additional time is needed to complete an accurate return.

8a If this application is for Form 990-BL, 990-PF, 990-T, 4720, or 6069, enter the tentative tax, less any nonrefundable credits. See instructions.	8a \$	462,804.
8b If this application is for Form 990-PF, 990-T, 4720, or 6069, enter any refundable credits and estimated tax payments made. Include any prior year overpayment allowed as a credit and any amount paid previously with Form 8868.	8b \$	567,026.
8c Balance due. Subtract line 8b from line 8a. Include your payment with this form, if required, by using EFTPS (Electronic Federal Tax Payment System). See instructions.	8c \$	0.

Signature and Verification

Under penalties of perjury, I declare that I have examined this form, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete, and that I am authorized to prepare this form.

Signature [Signature] Title President Date 04/03/12

BAA

FIF20502 11/15/10

Form 8868 (Rev 1-2011)